

Exhibit 7. Preliminary Vegetation Survey

Hickory Hill Farms, Inc. N67 W25913 Silver Spring Drive

Dates May 7, 13, 14, 15, 16, 20, 22, and 28, 2019

December 8, 13, 14, and 15, 2011

Observers: Christopher J. Jors, Senior Biologist (2019 and 2011)

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Donald M. Reed, Ph.D., Retired Chief Biologist (2011) Lawrence A. Leitner, Retired Principal Biologist (2011) Southeastern Wisconsin Regional Planning Commission

Location: Village of Sussex in parts of the South one-half and Northwest one-quarter of U.S.

Public Land Survey Sections 21 and 28, respectively, Township 8 North, Range 19

East, Waukesha County, Wisconsin.

Species List: Plant Community Area No. 1 – Native Species

Co-dominant species

<u>Alisma triviale</u>--Large-flowered water plantain <u>Amaranthus retroflexus</u>--Redroot pigweed <u>Cerastium arvense</u>--Mouse-eared chickweed

Packera aurea -- Golden ragwort

Ranunculus sceleratus -- Cursed crowfoot

NON-Native Species

Agrostis gigantea -- Redtop grass

Capsella bursa-pastoris--Shepherd's purse

Elymus repens--Quack grass

Glechoma hederacea -- Creeping Charlie

Malva neglecta -- Cheeses

<u>Plantago</u> <u>major</u>--Common plantain <u>Poa</u> <u>pratensis</u>--Kentucky bluegrass

Rumex crispus--Curly dock

<u>Taraxacum</u> <u>officinale</u>--Common dandelion

Total number of plant species: 14

Number of alien, or non-native, plant species: 9 (64 percent)

PCA 1 cont.

This approximately 0.32-acre plant community area consists of a drainage swale with atypical (mowed) wetland and degraded fresh (wet) meadow. Disturbances to the plant community area include regular mowing, past filling for driveway access, siltation and sedimentation due to stormwater runoff from adjacent lands, and water level changes due to ditching and draining. No Federal- or State-designated Special Concern, Threatened, or Endangered species were observed during the field inspection.

Plant Community Area No. 2 - Native Species

Acer negundo--Boxelder Amaranthus retroflexus -- Redroot pigweed Ambrosia trifida -- Giant ragweed Angelica atropurpurea -- Angelica Cornus alba--Red-osier dogwood Cornus obliqua--Silky dogwood Echinocystis <u>lobata</u>--Wild cucumber Erigeron canadensis--Horseweed Galium aparine--Annual bedstraw Impatiens capensis -- Jewelweed Lemna minor--Lesser duckweed Persicaria lapathifolia -- Heart's-ease Ranunculus sceleratus -- Cursed crowfoot Sambucus nigra--Elderberry Solidago altissima -- Tall goldenrod <u>Urtica</u> <u>dioica</u>--Stinging nettle

NON-Native Species

Alliaria petiolata--Garlic mustard
Arctium minus--Common burdock
Barbarea vulgaris--Yellow rocket
Glyceria maxima--Tall manna grass
Phalaris arundinacea--Reed canary grass
Poa annua--Annual bluegrass
Rhamnus cathartica--Common buckthorn
Rumex crispus--Curly dock
Solanum dulcamara--Deadly nightshade
Taraxacum officinale--Common dandelion
Typha angustifolia--Narrow-leaved cat-tail

Total number of plant species: 27

Number of alien, or non-native, plant species: 11 (41 percent)

This approximately 2.1-acre plant community area is part of a larger wetland complex associated with an unnamed tributary to Spring Creek and consists of open water and fresh (wet) meadow (mostly degraded), . Disturbances to the plant community area include barnyard runoff; dumping; past filling for driveway crossings; siltation and sedimentation due to stormwater runoff from adjacent lands; water level changes due to ditching, draining, and stream channel realignment; side casting of dredge spoil material; and agricultural land management activities such as plowing along the wetland edge. No Federal- or State-designated Special Concern, Threatened, or Endangered species were observed during the field inspection.

Plant Community Area No. 3 - Native Species

Acer negundo--Boxelder
Ambrosia trifida--Giant ragweed
Cornus alba--Red-osier dogwood
Lemna minor--Lesser duckweed
Populus deltoides--Cottonwood
Salix nigra--Black willow

NON-Native Species

Alliaria petiolata--Garlic mustard

Arctium minus--Common burdock

Leonurus cardiaca--Motherwort

Phalaris arundinacea--Reed canary grass

Rhamnus cathartica--Common buckthorn

Rumex crispus--Curly dock

Setaria faberi--Giant foxtail

Solanum dulcamara--Deadly nightshade

Total number of plant species: 14

Number of alien, or non-native, plant species: 8 (57 percent)

This approximately 0.26-acre wetland plant community area consists of an excavated pond with open water, degraded fresh (wet) meadow, and scattered lowland hardwoods. Disturbances to the plant community area include dumping, selective cutting of trees, pond excavation, side casting of dredge spoil material, and siltation and sedimentation due to stormwater runoff from adjacent lands. No Federal- or State-designated Special Concern, Threatened, or Endangered species were observed during the field inspection.

Plant Community Area No. 4 - Native Species

<u>Ambrosia</u> <u>trifida</u>--Giant ragweed <u>Ranunculus</u> <u>sceleratus</u>--Cursed crowfoot <u>Vitis</u> <u>riparia</u>--Riverbank grape

NON-Native Species

<u>Datura</u> <u>stramonium</u>--Jimson-weed <u>Phalaris</u> <u>arundinacea</u>--Reed canary grass

Total number of plant species: 5

Number of alien, or non-native, plant species: 2 (40 percent)

This approximately 2.6-acre wetland plant community area consists of atypical (farmed) wetland and small stands of degraded fresh (wet) meadow on a hillside seepage area. Disturbances to the plant community area include ruts from farm machinery, siltation and sedimentation due to stormwater runoff from adjacent lands, water level changes due to recent drain tile upgrades, agricultural land management activities such as cultivation, and filling with dredge spoils during excavation of the nearby pond. No Federal- or State-designated Special Concern, Threatened, or Endangered species were observed during the field inspection.

Plant Community Area No. 5 - Native Species

Amaranthus retroflexus--Redroot pigweed
Ambrosia artemisiifolia--Common ragweed
Ambrosia trifida--Giant ragweed
Panicum dichotomiflorum--Knee grass
Ranunculus sceleratus--Cursed crowfoot
Urtica dioica--Stinging nettle
Veronica peregrina--Purslane speedwell

NON-Native Species

<u>Cirsium arvense</u>--Canada thistle
<u>Phalaris arundinacea</u>--Reed canary grass
<u>Zea mays</u>--Domestic corn (planted and harvested)

Total number of plant species: 10

Number of alien, or non-native, plant species: 3 (30 percent)

This approximately 10.4-acre plant community area is part of a larger floodplain-wetland complex associated with an unnamed tributary to Spring Creek and consists of atypical (farmed) wetland. Disturbances to the plant community area include side casting of dredge spoil material, siltation and sedimentation due to stormwater runoff from adjacent lands, water level changes due to recent drain tile upgrades, agricultural land management activities such as cultivation, and ruts from farm machinery. No Federal- or State-designated Special Concern, Threatened, or Endangered species were observed during the field inspection.

Plant Community Area No. 6 - Native Species

Ambrosia trifida--Giant ragweed
Cornus alba--Red-osier dogwood
Panicum dichotomiflorum--Knee grass
Persicaria pensylvanica--Pinkweed
Ranunculus sceleratus--Cursed crowfoot
Salix interior--Sandbar willow
Salix nigra--Black willow
Solidago altissima--Tall goldenrod
Symphyotrichum lanceolatum--Marsh aster
Symphyotrichum puniceum--Red-stemmed aster
Typha latifolia--Broad-leaved cat-tail

NON-Native Species

Cirsium arvense--Canada thistle

Daucus carota--Queen Anne's lace

Phalaris arundinacea--Reed canary grass

Poa pratensis--Kentucky bluegrass

Polygonum aviculare--Prostrate knotweed

Rumex crispus--Curly dock

Setaria faberi--Giant foxtail

Typha angustifolia--Narrow-leaved cat-tail

Zea mays--Domestic corn (planted and harvested)

PCA 6 cont.

Total number of plant species: 20

Number of alien, or non-native, plant species: 9 (45 percent)

This approximately 1.6-acre wetland plant community area consists of atypical (farmed) wetland and small stands of fresh (wet) meadow and shrub-carr (willow thicket). Disturbances to the plant community area include water level changes due to recent drain tile upgrades, filling along the wetland edge, siltation and sedimentation due to stormwater runoff from adjacent lands, agricultural land management activities such as cultivation, and tire ruts from farm machinery. No Federal- or State-designated Special Concern, Threatened, or Endangered species were observed during the field inspection.

Plant Community Area No. 7 - Native Species

Acer negundo--Boxelder
Ambrosia trifida--Giant ragweed
Euthamia graminifolia--Grass-leaved goldenrod
Persicaria pensylvanica--Pinkweed
Salix interior--Sandbar willow
Symphyotrichum lanceolatum--Marsh aster
Vitis riparia--Riverbank grape

NON-Native Species

Cirsium arvense--Canada thistle

Phalaris arundinacea -- Reed canary grass

<u>Rumex</u> <u>crispus</u>--Curly dock <u>Setaria</u> <u>faberi</u>--Giant foxtail <u>Setaria</u> <u>pumila</u>--Yellow foxtail <u>Setaria</u> sp.--Foxtail

Zea mays--Domestic corn (planted and harvested)

Total number of plant species: 14

Number of alien, or non-native, plant species: 7 (50 percent)

This approximately 0.31-acre plant community area consists of atypical (farmed) wetland and degraded fresh (wet) meadow. Disturbances to the plant community area include water level changes due to recent drain tile upgrades, filling along the wetland edge, siltation and sedimentation due to stormwater runoff from adjacent lands, agricultural land management activities such as cultivation, and tire ruts from farm machinery. No Federal- or State-designated Special Concern, Threatened, or Endangered species were observed during the field inspection.

Plant Community Area No. 8 - Native Species

Acer negundo--Boxelder
Amaranthus retroflexus--Redroot pigweed
Ambrosia trifida--Giant ragweed
Angelica atropurpurea--Angelica
Asclepias incarnata--Marsh milkweed
Carex pellita--Woolly sedge
Cyperus esculentus--Chufa
Panicum dichotomiflorum--Knee grass

PCA 8 cont. Native Species

Persicaria lapathifolia--Heart's-ease
Persicaria pensylvanica--Pinkweed
Ranunculus sceleratus--Cursed crowfoot
Salix interior--Sandbar willow
Solidago altissima--Tall goldenrod
Typha latifolia--Broad-leaved cat-tail
Verbena hastata--Blue vervain

NON-Native Species

<u>Abutilon</u> <u>theophrasti</u>--Velvet-leaf <u>Barbarea</u> <u>vulgaris</u>--Yellow rocket <u>Cirsium</u> <u>arvense</u>--Canada thistle

Phalaris arundinacea -- Reed canary grass

<u>Setaria</u> <u>faberi</u>--Giant foxtail <u>Setaria</u> <u>pumila</u>--Yellow foxtail <u>Setaria</u> sp.--Foxtail

Zea mays--Domestic corn (planted and harvested)

Total number of plant species: 23

Number of alien, or non-native, plant species: 8 (35 percent)

This approximately 0.70-acre plant community area is part of a larger floodplain-wetland complex associated with an unnamed tributary to Spring Creek and consists of atypical (farmed) wetland. Disturbances to the plant community area include side casting of dredge spoil material, siltation and sedimentation due to stormwater runoff from adjacent lands, water level changes due to nearby stream channel realignment and recent drain tile upgrades, agricultural land management activities such as cultivation, and tire ruts from farm machinery. No Federal- or State-designated Special Concern, Threatened, or Endangered species were observed during the field inspection.

Plant Community Area No. 9 - Native Species

Acer <u>negundo</u>--Boxelder

Carex blanda--Wood sedge

Circaea canadensis -- Enchanter's nightshade

Fraxinus pennsylvanica -- Green ash

Geum canadense--White avens

Glyceria striata -- Fowl manna grass

Impatiens capensis -- Jewelweed

Ranunculus hispidus--Bristly buttercup

Sanicula odorata -- Clustered black snakeroot

<u>Symphyotrichum</u> <u>Iateriflorum</u>--Calico aster

<u>Urtica</u> <u>dioica</u>--Stinging nettle

<u>Verbena</u> <u>hastata</u>--Blue vervain

Veronica peregrina--Purslane speedwell

Vitis riparia -- Riverbank grape

NON-Native Species

Alliaria petiolata--Garlic mustard

Phalaris arundinacea -- Reed canary grass

Poa annua -- Annual bluegrass

Total number of plant species: 17

Number of alien, or non-native, plant species: 3 (18 percent)

This approximately 9.6-acre plant community area is part of a larger floodplain-wetland complex associated with an unnamed tributary to Spring Creek and consists of hardwood swamp, degraded fresh (wet) meadow, atypical (farmed) wetland, and open water. Disturbances to the plant community area include agricultural land management activities such as cultivation, siltation and sedimentation due to stormwater runoff from adjacent lands, water level changes due to stream channel realignment and recent drain tile upgrades discharging into the subject wetland, and side casting of dredge spoil material. No Federal- or State-designated Special Concern, Threatened, or Endangered species were observed during the field inspection.

Plant Community Area No. 10 - Native Species

Acer <u>negundo</u>--Boxelder

Alisma triviale -- Large-flowered water plantain

Amaranthus retroflexus--Redroot pigweed

Ambrosia artemisiifolia -- Common ragweed

<u>Carex</u> <u>pellita</u>--Woolly sedge

Chenopodium album--Lamb's quarters

Cyperus esculentus -- Chufa

Panicum capillare -- Witch grass

<u>Panicum</u> <u>dichotomiflorum</u>--Knee grass

Ranunculus sceleratus -- Cursed crowfoot

Salix discolor -- Pussy willow

Scirpus atrovirens--Green bulrush

Urtica dioica -- Stinging nettle

<u>Veronica</u> <u>peregrina</u>--Purslane speedwell

NON-Native Species

Abutilon theophrasti--Velvet-leaf

Agrostis gigantea -- Redtop grass

Barbarea vulgaris -- Yellow rocket

Cirsium arvense--Canada thistle

Dactylis glomerata -- Orchard grass

Malva neglecta--Cheeses

<u>Medicago</u> <u>lupulina</u>--Black medick

Phalaris arundinacea -- Reed canary grass

Phragmites australis subsp. australis -- Tall reed grass

Plantago major -- Common plantain

Poa annua -- Annual bluegrass

<u>Poa</u> <u>pratensis</u>--Kentucky bluegrass

Setaria faberi--Giant foxtail

<u>Taraxacum</u> <u>officinale</u>--Common dandelion

<u>Trifolium</u> <u>pratense</u>--Red clover

Trifolium repens--White clover

Triticum aestivum--Wheat

Typha angustifolia -- Narrow-leaved cat-tail

Zea mays--Domestic corn (planted and harvested)

PCA 10 cont.

Total number of plant species: 33

Number of alien, or non-native, plant species: 19 (58 percent)

This approximately 26.5-acre plant community area is part of a larger floodplain-wetland complex associated with an unnamed tributary to Spring Creek and consists of atypical (farmed) wetland, and atypical (mowed) wetland and fresh (wet) meadow along the edge. Disturbances to the plant community area include agricultural land management activities such as cultivation, tire ruts from farm machinery, regular mowing, side casting of dredge spoil materials from adjacent pond excavation, past filling for a farm access driveway, siltation and sedimentation due to stormwater runoff from adjacent lands, and water level changes due to stream channel re-alignment and recent drain tile upgrades. No Federal- or State-designated Special Concern, Threatened, or Endangered species were observed during the field inspection.

Plant Community Area No. 11- Native Species

Alisma triviale--Large-flowered water plantain
Amaranthus retroflexus--Redroot pigweed
Equisetum arvense--Common horsetail
Panicum capillare--Witch grass
Panicum dichotomiflorum--Knee grass

NON-Native Species

Digitaria sp.--Crab grass

Total number of plant species: 6

Number of alien, or non-native, plant species: 1 (17 percent)

This approximately 0.66-acre plant community area consists of a constructed open water pond and atypical (mowed) wetland. Disturbances to the plant community area include pond construction, side casting of dredge spoil materials, placement of rock rip-rap along the shoreline, and regular mowing on the north side of the pond at the outlet. No Federal- or State-designated Special Concern, Threatened, or Endangered species were observed during the field inspection.

Plant Community Area No. 12 - Native Species

Amaranthus retroflexus -- Redroot pigweed

Ambrosia artemisiifolia -- Common ragweed

Ambrosia trifida -- Giant ragweed

Bidens trichosperma--Tall swamp-marigold

Carex pellita -- Woolly sedge

Carex stricta--Tussock sedge

Carex vulpinoidea--Fox sedge

Cornus alba--Red-osier dogwood

Cyperus esculentus -- Chufa

Epilobium coloratum--Willow-herb

Equisetum arvense--Common horsetail

Euthamia graminifolia--Grass-leaved goldenrod

Geum aleppicum -- Yellow avens

Geum canadense -- White avens

PCA 12 cont. Native species

Impatiens capensis -- Jewelweed

Lilium michiganense--Michigan lily

<u>Panicum</u> <u>dichotomiflorum</u>--Knee grass

Persicaria lapathifolia -- Heart's-ease

Persicaria pensylvanica -- Pinkweed

Salix discolor -- Pussy willow

Salix interior -- Sandbar willow

Sambucus nigra--Elderberry

Solidago altissima -- Tall goldenrod

Solidago gigantea -- Giant goldenrod

Symphyotrichum lanceolatum--Marsh aster

Symphyotrichum puniceum -- Red-stemmed aster

Typha latifolia -- Broad-leaved cat-tail

Urtica dioica -- Stinging nettle

<u>Verbena</u> <u>hastata</u>--Blue vervain

<u>Verbena</u> <u>urticifolia</u>--White vervain

Vitis riparia -- Riverbank grape

NON-Native Species

Agrostis gigantea -- Redtop grass

Alliaria petiolata -- Garlic mustard

Cirsium arvense--Canada thistle

Daucus carota--Queen Anne's lace

Elymus repens--Quack grass

Phalaris arundinacea -- Reed canary grass

Poa pratensis--Kentucky bluegrass

Rhamnus cathartica -- Common buckthorn

Rosa multiflora -- Multiflora rose

Setaria pumila--Yellow foxtail

Setaria sp.--Foxtail

Solanum dulcamara--Deadly nightshade

Sonchus arvensis -- Field sow thistle

<u>Taraxacum</u> <u>officinale</u>--Common dandelion

Typha angustifolia -- Narrow-leaved cat-tail

Zea mays--Domestic corn

Total number of plant species: 47

Number of alien, or non-native, plant species: 16 (34 percent)

This approximately 1.19-acre plant community area is part of a larger wetland complex and consists of fresh (wet) meadow (partly degraded), shrub-carr (willow thicket), and degraded sedge meadow. Disturbances to the plant community area include the establishment of a farm access road, side casting of dredge spoil materials from adjacent pond construction, siltation and sedimentation due to stormwater runoff from adjacent lands, and agricultural land management activities including past grazing. No Federal- or State-designated Special Concern, Threatened, or Endangered species were observed during the field inspection.

Plant Community Area No. 13 - Native Species

Acer <u>negundo</u>--Boxelder

Amaranthus retroflexus -- Redroot pigweed

Ambrosia artemisiifolia -- Common ragweed

Ambrosia trifida -- Giant ragweed

Angelica atropurpurea -- Angelica

Carex stricta--Tussock sedge

<u>Chenopodium</u> <u>album</u>--Lamb's quarters

Epilobium coloratum--Willow-herb

Erigeron canadensis--Horseweed

Euthamia graminifolia -- Grass-leaved goldenrod

Helenium autumnale -- Sneezeweed

Impatiens capensis -- Jewelweed

Oenothera biennis--Evening-primrose

Panicum dichotomiflorum---Knee grass

Persicaria pensylvanica--Pinkweed

Ranunculus sceleratus -- Cursed crowfoot

Rorippa palustris--Rough marsh cress

<u>Schoenoplectus</u> <u>tabernaemontani</u>--Soft-stemmed bulrush

Scirpus cyperinus--Woolgrass

Solidago altissima -- Tall goldenrod

Symphyotrichum lanceolatum--Marsh aster

<u>Ulmus</u> <u>americana</u>--American elm

<u>Verbena</u> <u>hastata</u>--Blue vervain

<u>Veronica</u> <u>peregrina</u>--Purslane speedwell

NON-Native Species

Abutilon theophrasti -- Velvet-leaf

Phalaris arundinacea -- Reed canary grass

Poa pratensis -- Kentucky bluegrass

Rumex crispus--Curly dock

Setaria faberi--Giant foxtail

Setaria sp.--Foxtail

Zea mays--Domestic corn

Total number of plant species: 31

Number of alien, or non-native, plant species: 7 (23 percent)

This approximately 7.4-acre plant community area is part of a larger floodplain-wetland complex associated with an unnamed tributary to Spring Creek and consists of atypical (farmed) wetland and fresh (wet) meadow. Disturbances to the plant community area include side casting of dredge spoil materials from adjacent creek channel re-alignment, siltation and sedimentation due to stormwater runoff from adjacent lands, water level changes due to stream realignment and recent drain tile upgrades, agricultural land management activities such as cultivation, and tire ruts from farm machinery. No Federal- or State-designated Special Concern, Threatened, or Endangered species were observed during the field inspection.

Plant Community Area No. 14 - Native Species

Acer negundo--Boxelder

Rorippa palustris--Rough marsh cress

Veronica peregrina -- Purslane speedwell

PCA 14 cont.

NON-Native Species

<u>Glycine</u> <u>max</u>--Soy-bean (planted but not harvested)

Total number of plant species: 4

Number of alien, or non-native, plant species: 1 (25 percent)

This approximately 0.25-acre wetland plant community area consists of atypical (farmed) wetland. Disturbances to the plant community area include siltation and sedimentation due to stormwater runoff from adjacent lands, agricultural land management activities such as cultivation, and tire ruts from farm machinery. No Federal- or State-designated Special Concern, Threatened, or Endangered species were observed during the field inspection.

Plant Community Area No. 15 - Native Species

Acer negundo--Boxelder

Acer saccharinum -- Silver maple

Achillea millefolium--Yarrow

Agrimonia gryposepala -- Agrimony

Amaranthus retroflexus -- Redroot pigweed

Ambrosia trifida -- Giant ragweed

Apios americana -- Ground nut

Asclepias syriaca -- Common milkweed

Carex blanda -- Wood sedge

Carex grisea -- Wood gray sedge

<u>Carex</u> <u>hirtifolia</u>--Hairy wood sedge

<u>Carex</u> <u>lacustris</u>--Lake sedge

<u>Carex</u> <u>radiata</u>--Straight-styled wood sedge

Carex stricta--Tussock sedge

<u>Carpinus</u> <u>caroliniana</u>--Musclewood

Carya ovata--Shagbark hickory

<u>Chenopodium</u> <u>album</u>--Lamb's quarters

Cinna arundinacea -- Wood reed grass

Circaea canadensis -- Enchanter's nightshade

Cornus alba--Red-osier dogwood

Cornus racemosa--Gray dogwood

<u>Crataegus</u> <u>mollis</u>--Downy hawthorn

Crataegus sp.--Hawthorn

Cyperus esculentus--Chufa

Echinocystis lobata -- Wild cucumber

Elymus villosus -- Silky wild rye

Epilobium coloratum -- Willow-herb

Equisetum arvense--Common horsetail

Euthamia graminifolia -- Grass-leaved goldenrod

Eutrochium maculatum--Joe-Pye weed

Fraxinus pennsylvanica -- Green ash

Geum canadense -- White avens

Glyceria striata--Fowl manna grass

Hackelia virginiana -- Stickseed

Hydrophyllum virginianum--Virginia waterleaf

Impatiens capensis--Jewelweed

Ostrya virginiana--Ironwood

Oxypolis rigidior -- Cowbane

PCA 15 cont. Native Species

Panicum dichotomiflorum---Knee grass

Parthenocissus inserta--Virginia creeper

Populus deltoides -- Cottonwood

Populus tremuloides -- Quaking aspen

Quercus bicolor -- Swamp white oak

Ribes americanum -- Wild black currant

Rubus occidentalis -- Black raspberry

Salix bebbiana--Beaked willow

Salix interior--Sandbar willow

Salix nigra--Black willow

Solidago altissima -- Tall goldenrod

Solidago gigantea -- Giant goldenrod

Symphyotrichum lanceolatum--Marsh aster

<u>Symphyotrichum</u> <u>lateriflorum</u>--Calico aster

<u>Symphyotrichum</u> <u>novae-angliae</u>--New England aster

Symphyotrichum puniceum--Red-stemmed aster

Tilia americana--Basswood

Typha latifolia--Broad-leaved cat-tail

Ulmus americana--American elm

<u>Urtica</u> <u>dioica</u>--Stinging nettle

<u>Verbena</u> <u>hastata</u>--Blue vervain

<u>Veronica</u> <u>peregrina</u>--Purslane speedwell

Viola affinis--Leconte's violet

Vitis riparia -- Riverbank grape

Zanthoxylum americanum---Prickly-ash

NON-Native Species

Abutilon theophrasti -- Velvet-leaf

Acer ginnala -- Amur maple

Agrostis gigantea -- Redtop grass

Alliaria petiolata -- Garlic-mustard

Cirsium arvense--Canada thistle

Datura stramonium--Jimson-weed

Daucus carota--Queen Anne's lace

Frangula alnus--Glossy buckthorn

Leonurus cardiaca -- Motherwort

Lonicera X bella--Hybrid honeysuckle

Malva neglecta -- Cheeses

Phalaris arundinacea -- Reed canary grass

<u>Picea</u> <u>abies</u>--Norway spruce (planted)

Poa pratensis -- Kentucky bluegrass

Rhamnus cathartica -- Common buckthorn

Rosa multiflora -- Multiflora rose

Rumex crispus--Curly dock

Setaria faberi--Giant foxtail

Setaria sp.--Foxtail

<u>Taraxacum</u> <u>officinale</u>--Common dandelion

Zea mays--Domestic corn (planted and harvested)

Total number of plant species: 84

Number of alien, or non-native, plant species: 21 (25 percent)

This approximately 26.7-acre plant community area is part of a larger floodplain-wetland complex associated with an unnamed tributary to Spring Creek and consists of open water, fresh (wet) meadow, atypical (farmed) wetland, shrubcarr (willow thicket), and hardwood swamp. Disturbances to the plant community area include side casting of dredge spoil materials from adjacent stream channel re-alignment, siltation and sedimentation due to stormwater runoff from adjacent lands, water level changes due to channel re-alignment and tiling, agricultural land management activities such as cultivation, and tire ruts from farm machinery. No Federal- or State-designated Special Concern, Threatened, or Endangered species were observed during the field inspection.

Plant Community Area No. 16 - Native Species

Acer negundo--Boxelder

Arisaema triphyllum--Jack-in-the-pulpit

Carex blanda -- Wood sedge

<u>Carya</u> <u>cordiformis</u>--Yellowbud hickory

Circaea canadensis -- Enchanter's nightshade

Cryptotaenia canadensis -- Honewort

Elymus villosus -- Silky wild rye

Fraxinus pennsylvanica -- Green ash

Geum canadense--White avens

Impatiens capensis -- Jewelweed

<u>Maianthemum</u> <u>stellatum</u>--Starry Solomon's plume

Prunus serotina -- Black cherry

Ranunculus hispidus--Bristly buttercup

<u>Symphyotrichum</u> <u>lateriflorum</u>--Calico aster

Symplocarpus foetidus--Skunk cabbage

Tilia americana--Basswood

<u>Ulmus</u> <u>americana</u>--American elm

Urtica dioica -- Stinging nettle

Viola affinis -- Leconte's violet

Viola sororia -- Woolly blue violet

Vitis riparia--Riverbank grape

NON-Native Species

Alliaria petiolata -- Garlic mustard

Arctium minus--Common burdock

Lonicera X bella--Hybrid honeysuckle

Phalaris arundinacea -- Reed canary grass

Rhamnus cathartica--Common buckthorn

Rosa multiflora -- Multiflora rose

Total number of plant species: 27

Number of alien, or non-native, plant species: 6 (29 percent)

PCA 16 cont.

This approximately 0.83-acre plant community area is part of a larger wetland complex and consists of a hillside with hardwood swamp and spring seeps. Disturbances to the plant community area include selective cutting of trees and siltation and sedimentation due to stormwater runoff from adjacent lands. No Federal- or State-designated Special Concern, Threatened, or Endangered species were observed during the field inspection.

SVY4555 CA734-208

Exhibit 8.

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Hickory Hill Farms, Inc.	City/County: Vill	age of Sussex/Wauke	-		Sampling Date: <u>5-7-2019</u>
Applicant/Owner: lan Diet and Shana Havely	CEWIDDO Coo	tion Township Dongs	State:		Sampling Point: 1
Investigator(s): <u>Chris Jors, Jen Dietl, and Shane Heyel:</u> Landform (hillslope, terrace, etc.): <u>toeslope</u>		tion, Township, Range al relief (concave, con			Slope (%): <u>0-2%</u>
Subregion (LRR or MLRA): <u>LRR K</u>				vatum:	010pc (70). <u>0 2 70</u>
Soil Map Unit Name: Palms muck (Pa)	Lati				sification: None
Are climatic/hydrologic conditions on the site typical for the	his time of year?	Yes ⊠ No □	(If no, expla	in in Remarks)	
Are Vegetation, Soil, or Hydrology sign		Are "Normal Circu	mstances" pre	esent? Yes 🖂	No 🗌
Are Vegetation, Soil, or Hydrology nate	urally problematic?	(If, needed, explain	n any answers	in Remarks.)	
SUMMARY OF FINDINGS – Attach site ma	p showing samp	oling point location	ons, transe	cts, importan	t features, etc.
_					
	⊠No	Is the Sampled Area within a Wetland?	a	☐ Yes	⊠No
	□No ☑No	within a wettand:		□ 103	
Wetland Hydrology Present? ☐Yes	⊠No	If you optional Wotla	and Sita ID:		
Remarks: (Explain alternative procedures here or in a		If yes, optional Wetla			
HYDROLOGY Wetland Hydrology Indicators:				Secondary Indicate	ors (minimum of two required)
Primary Indicators (minimum of one is required; check	all that apply)			☐ Surface Soil (Cracks (R6)
Surface Water (A1)	☐ Water-Stained	N Leaves (RO)		☐ Drainage Patt	
			_	☐ Moss Trim Lir	
	High Water Table (A2) Aquatic Fauna				
Saturation (A3)	(B15)			Vater Table (C2)	
Water marks (B1)		fide Odor (C1)		☐ Crayfish Burro	ows (C8)
Sediment Deposits (B2) Drift Deposits (B3)	Oxidized Rhiz	ospheres on Living Ro	oots (C3)		sible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of R	Reduced Iron (C4)	_		ressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron R	eduction in Tilled Soils	s (C6)	Geomorphic I	Position (D2)
☐ Iron Deposits (B5)	☐ Thin Muck Su	rface (C7)		Shallow Aquit	ard (D3)
Inundation Visible on Aerial Imagery (B7)	Other (Explain	n in Remarks)	_	☐ Microtopograp	phic Relief (D4)
Sparsely Vegetated Concave Surface (B8)			_	FAC-Neutral	
Field Observations:					()
Surface Water Present? Yes ☐ No ☒ De	epth (inches):				
Water Table Present? Yes ☐ No ☒ De	epth (inches):				
	epth (inches):		Wetland Hy	drology Present?	Yes ☐ No ⊠
(includes capillary fringe)	. ,		Wettaria riy	arology i resent.	100 🗀 110 🖂
Describe Recorded Data (stream gauge, monitoring we (Exhibit 3), and Aerial Photos (Exhibit 4).			·	, , ,	
Remarks: While the sample site is on a riparian to	•			-	a by the deeply cut
(dredged) waterway. As such, geomorphic position	on (D2) is not check	ked. No wetland hyd	drology indicate	ators observed.	

Sampling Point: 1

Tree Stratum (Plot size: 30' radius)	Absolute <u>% Cover</u>	Dominant Species?	Indicator Status	Dominance Test worksheet:
1	76 COVEL		Status	Number of Dominant Species
2				That are OBL, FACW, or FAC: $\underline{0}$ (A)
3				Total Number of Dominant
4				Species Across All Strata: <u>2</u> (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 0% (A/B)
7				Prevalence Index worksheet:
··- <u></u>	<u>0</u>	= Total Cove		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)	_	- 10tai 00V	21	OBL species x 1 =
1		П		FACW species x 2 =
2				
3 4				FACU species x 4 =
				UPL species x 5 = (A)
5				Column Totals: (A) (B)
6				Prevalence Index = B/A = Hydrophytic Vegetation Indicators:
7				☐ Rapid Test for Hydrophytic Vegetation
Llorb Ctrature (Diot airco El radius)	<u>0</u>	= Total Cove	er	☐ Dominance Test is >50% ☐ Prevalence Index is ≤3.0¹
Herb Stratum (Plot size: 5' radius)	<u>8</u>	\boxtimes	FACU	☐ Morphological Adaptations¹ (Provide supporting
1. <u>Taraxacum officinale</u>	<u>s</u>		FACU	data in Remarks or on a separate sheet)
2. Sonchus arvensis	<u>s</u> 5		UPL	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3. <u>Daucus carota</u>				¹ Indicators of hydric soil and wetland hydrology must
4. Ambrosia trifida	<u>3</u>		<u>FAC</u>	Be present, unless disturbed or problematic.
5. Phalaris arundinacea	<u>2</u>		<u>FACW</u>	Definitions of Vegetation Strate.
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>26</u>	= Total Cove	er	Woody vines – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30' radius)				height
1				
2				
3				Hydrophytic
4				Vegetation
	<u>0</u>	= Total Cove	er	Present? Yes ☐ No ☒
Remarks: (include photo number here or on a separate sheet	.) Stubble fr	om the previo	us season's	s corn (Zea mays) crop was present. Agricultural
field.				

SOIL Sampling Point: 1

		Dodou Free	uroo			
0.4		Redox Feat		. 2		5
%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
100	· 				Silt loam	-
95	10YR 4/6	- <u>5</u> - <u> </u>	C	PL M	Clay loam	with disintegrating dolomite
					-	
pletion, RM	/I=Reduced Matrix, M	S= Masked S	Sand Grains			
Surface (A (A12) I (S1) (S4)	Lo Lo A11)	in Dark Surfa amy Mucky N amy Gleyed epleted Matrix edox Dark Su epleted Dark	Mace (S9) (LRF) Mineral (F1) (Matrix (F2) (F3) (F3) rface (F6) Surface (F7)		5 cm Mucky F Dark Surface Polyvalue Bel Thin Dark Sur Iron-Mangane Piedmont Flo Mesic Spodic Red Parent M Very Shallow	Peat or Peat (S3) (LLR K, L, R) (S7) (LRR K, L) (S7) (LRR K, L) (S8) (LRR K, L) (Frace (S9) (LRR K, L) (LRR K, L) (S8) (LRR K, L) (S9) (MLRA 149E (TA6) (MLRA 144A, 145, 149B)
	vetland hydrology mu	st be present	t, unless distu	irbed or pro		
					Hydric Soil Present	? Yes⊠ No □
1 ()	Surface (<i>i</i> (A12) I (S1) (S4) RR R, MLI	pletion, RM=Reduced Matrix, Miles Po	pletion, RM=Reduced Matrix, MS= Masked S Polyvalue Belom MLRA 149 In Thin Dark Surfa Loamy Mucky I Loamy Gleyed Surface (A11) Depleted Matrix (A12) Redox Dark Surfa (S1) Depleted Dark (S4) Redox Depress RR R, MLRA 149B) ation and wetland hydrology must be present	pletion, RM=Reduced Matrix, MS= Masked Sand Grains Polyvalue Below Surface (Stand MLRA 149B) Thin Dark Surface (S9) (LRF) Loamy Mucky Mineral (F1) (Company Gleyed Matrix (F2) (Company Gleyed Matrix (F2) (Company Gleyed Matrix (F3) (Company Gleyed Matrix	pletion, RM=Reduced Matrix, MS= Masked Sand Grains Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Thin Dark Surface (S9) (LRR R, MLRA 149B) Loamy Mucky Mineral (F1) (LRR K, L) Loamy Gleyed Matrix (F2) Surface (A11) Depleted Matrix (F3) (A12) Redox Dark Surface (F6) I (S1) Depleted Dark Surface (F7) (S4) Redox Depressions (F8) RR R, MLRA 149B) ation and wetland hydrology must be present, unless disturbed or present.	pletion, RM=Reduced Matrix, MS= Masked Sand Grains Polyvalue Below Surface (S8) (LRR R,

WETLAND DETERMINATION	DATA FORM - Northo	entral and Northeast	Region
	County: Village of Sussex/Wauke		Sampling Date: 5-7-2019 Sampling Point: 2
Investigator(s): Chris Jors, Jen Dietl, and Shane Heyel: SEWRPC Landform (hillslope, terrace, etc.): tributary to Spring Creek	Local relief (concave, cor	e: <u>SW Quarter, Section 21, T8I</u> nvex, none): <u>linear, concave</u>	N-R19E Slope (%): <u>0-2%</u>
Subregion (LRR or MLRA): <u>LRR K</u> Soil Map Unit Name: <u>Palms muck (Pa)</u>	Lat: Long: _	NWI cla	ssification: E2K
Are climatic/hydrologic conditions on the site typical for this time of Are Vegetation, Soil, or Hydrology significantly d		(If no, explain in Remarks) umstances" present? Yes ⊠	No □
Are Vegetation, Soil, or Hydrology naturally prob		in any answers in Remarks.)	
SUMMARY OF FINDINGS – Attach site map showi	ng sampling point locati	ons, transects, importa	nt features, etc.
Hydrophytic Vegetation Present?	Is the Sampled Are within a Wetland?	ea ⊠ Yes	□No
Remarks: (Explain alternative procedures here or in a separate r	If yes, optional Wetl		
HYDROLOGY Wetland Hydrology Indicators:		Secondary Indica	ators (minimum of two required)
Primary Indicators (minimum of one is required; check all that app	olv)		· · · · ·
	ater-Stained Leaves (B9)		l Cracks (B6) atterns (B10)
	uatic Fauna (B13)	☐ Moss Trim I	
	arl Deposits (B15)		Water Table (C2)
□ Saturation (A3) □ Ma □ Water marks (B1) □ Hy □ Sediment Deposits (B2) □ Ox □ Drift Deposits (B3) □ Pro □ Algal Mat or Crust (B4) □ Re	drogen Sulfide Odor (C1)	☐ Crayfish Bu	rrows (C8)
Sediment Deposits (B2)	idized Rhizospheres on Living R		/isible on Aerial Imagery (C9)
Drift Deposits (B3)	esence of Reduced Iron (C4)		Stressed Plants (D1)
Algal Mat or Crust (B4)	ecent Iron Reduction in Tilled Soil	· / <u>—</u> ·	c Position (D2)
	in Muck Surface (C7) her (Explain in Remarks)	☐ Shallow Aqu ☐ Microtopogr	aphic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	nei (Explain in Nemarks)	FAC-Neutra	, ,
Field Observations:		⊠ i Ac-Neutra	ar rest (D3)
Surface Water Present? Yes 🗵 No 🗌 Depth (inche	s): <u>7</u>		
Water Table Present? Yes No Depth (inche	s):		
Saturation Present? Yes ☐ No ☐ Depth (inche (includes capillary fringe)	s):	Wetland Hydrology Present	? Yes⊠ No □
Describe Recorded Data (stream gauge, monitoring well, aerial p (Exhibit 3), and Aerial Photos (Exhibit 4).	hotos, previous inspections), if a	 vailable: Topo Map (Exhibit 1),	WWI Map (Exhibit 2), Soils Map
Remarks: Sample site is on the creek bed of a deeply-cut	unnamed tributary to Spring (Creek and in the FEMA-map	ped floodway.

Sampling Point: 2

<u>Tree Stratum</u> (Plot size: <u>30' radius</u>)	Absolute	Dominant Species 2	Indicator	Dominance Test worksheet:
1	% Cover	Species? ☐	<u>Status</u>	
				Number of Dominant Species That are OBL, FACW, or FAC: 1 (A)
2				_ , ,
3			·	Total Number of Dominant Species Across All Strata: 1 (B)
4				
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)
6				
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cov	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
·· 	<u>0</u>	= Total Cov		Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5' radius)	<u> </u>	= 10tal 00v	GI	Dominance Test is >50% Prevalence Index is ≤3.0¹
1. Phalaris arundinacea	<u>15</u>	\boxtimes	FACW	☐ Morphological Adaptations¹ (Provide supporting
	<u>2</u>		FAC	data in Remarks or on a separate sheet)
2. <u>Barbarea vulgaris</u>	<u>=</u>		1710	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3				¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5				Definitions of Vanatation Country
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>17</u>	= Total Cov	er	
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in height
1				neigni
2			<u> </u>	
3			<u> </u>	
J				Hydrophytic Vegetation
4				Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet	Open wat	= Total Cov		ry to Spring Creek with degraded fresh (wet)
meadow along the edge.	.) Open wat	er or arr drina	inea tribatai	y to opining oreek with degraded fresh (wet)
3				

OIL							Sampling Po	oint: <u>2</u>
Profile De	scription: (Describe to the depth	needed to do	cument the indi	cator or conf	irm the absence	of indicators.)		
Depth	Matrix		Redox Feat	ures				
(inches)	Color (moist) %	Color (moist)	%	Type ¹	Loc ²	Texture	Re	emarks
	<u> </u>							
	· ·							
	·							
	- 							
								
	· ·							
¹Type: C=	Concentration, D=Depletion, RM=R	Reduced Matrix	MS= Masked S	Sand Grains		² Location: PL=Pore Li	ning M=Matrix	<u>x</u>
	il Indicators:		,o_ ividonod o	a Orallio		ndicators for Problen		
-	Histosol (A1)	П	Dobaroluo Polo	v Curtooo (CO			-	
	,		Polyvalue Belov		(LKK K,			
	Histic Epipedon (A2)		MLRA 149	,		Coast Prairie R		
l ∐	Black Histic (A3)	<u></u>			R, MLRA 149B)	5 cm Mucky Pe		
	Hydrogen Sulfide (A4)	□	Loamy Mucky N		RR K, L)	☐ Dark Surface (S		
	Stratified Layers (A5)		Loamy Gleyed I			Polyvalue Belov		
	Depleted Below Dark Surface (A11) 🗆	Depleted Matrix			☐ Thin Dark Surfa		
	Thick Dark Surface (A12)		Redox Dark Su					2) (LRR K, L, R)
	Sandy Mucky Mineral (S1)		Depleted Dark S	Surface (F7)		☐ Piedmont Flood	plain Soils (F1	19) (MLRA 149B)
	Sandy Gleyed Matrix (S4)		Redox Depress	ions (F8)			A6) (MLRA 1	44A, 145, 149B)
	Sandy Redox (S5)					☐ Red Parent Mat	erial (F21)	
	Stripped Matrix (S6)					☐ Very Shallow D	ark Surface (T	F12)
	Dark Surface (S7) (LRR R, MLRA	149B)						
	, , ,	,				_ ` .	,	
3Indicators	of Hydrophytic vegetation and wetl	and hydrology	must be present	. unless distu	bed or problemat	tic.		
	e Layer (if observed):	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		,				
	e:					Judria Cail Dracant?	Vaa 🕅	No 🗆
					ľ	Hydric Soil Present?	Yes ⊠	No 📙
	th (inches):		1 1 6: 14:	0 :: 0				
Remarks:	Soils inundated with 7 inches of	water, hydrid	by definition -	Criteria 3.				

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: 5-7-2019 Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 3 Applicant/Owner: __ State: WI Investigator(s): Chris Jors, Jen Dietl, and Shane Heyel: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): shoulder slope Local relief (concave, convex, none): convex Slope (%): 0-3% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Lamartine silt loam (LmB) NWI classification: None Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? ⊠No □Yes ⊠No within a Wetland? ☐ Yes ⊠Yes □No Hydric Soils Present? ⊠No Wetland Hydrology Present? □Yes If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) П П ☐ Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) ☐ Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Drift Deposits (B3) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No 🖂 Depth (inches): _ Water Table Present? Yes \boxtimes Depth (inches): _ No Saturation Present? Yes No 🖂 Depth (inches): __ Wetland Hydrology Present? Yes No 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4). Remarks: No wetland hydrology indicators observed.

	Absolute	Dominant	Indicator	
<u>Tree Stratum</u> (Plot size: <u>30' radius</u>)	% Cover	Species?	<u>Status</u>	Dominance Test worksheet:
1				Number of Dominant Species
2				That are OBL, FACW, or FAC: 0 (A)
3				Total Number of Dominant
4				Species Across All Strata: <u>3</u> (B)
5				Develop of Deminant Species
				Percent of Dominant Species That Are OBL, FACW, or FAC: 0% (A/B)
6				
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cov	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				·
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7		П		Hydrophytic Vegetation Indicators:
	<u>0</u>	= Total Cov	≏r	Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5' radius)	-	- 10tai 00V	51	☐ Dominance Test is >50% ☐ Prevalence Index is ≤3.0¹
	25	\square	EACH	☐ Morphological Adaptations¹ (Provide supporting
1. Poa annua	<u>25</u>		FACU	data in Remarks or on a separate sheet)
2. Poa pratensis	<u>20</u>	\boxtimes	<u>FACU</u>	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3. Taraxacum officinale	<u>18</u>	\boxtimes	<u>FACU</u>	1 to Parton of building of band and building over
4. Trifolium pratense	<u>15</u>		<u>FACU</u>	Indicators of hydric soil and wetland hydrology must Be present, unless disturbed or problematic.
	<u>12</u>		<u>FACU</u>	20 process, among alexander production
5. <u>Dactylis glomerata</u>				Definitions of Vegetation Strata:
6. Veronica peregrina	<u>10</u>		FAC	
7. <u>Plantago major</u>	<u>2</u>		<u>FACU</u>	Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11			<u></u>	
		_	<u></u>	Herb – All herbaceous (non-woody) plants, regardless
12	400	_		of size, and woody plants less than 3.28 ft tall.
	<u>102</u>	= Total Cov	er	Woody vines – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30' radius)				height
1				
2				
3.		П		Hydrophytic
4				Hydrophytic Vegetation
4				Present? Yes □ No ☒
Deviced a Cashala abota assala abota	0	= Total Cov	er	
Remarks: (include photo number here or on a separate sheet) Ola fiela.			

SOIL Sampling Point: 3

		o tile del	An needed to dot			uie d	bsence of indicators.)	
Depth	Matrix		<u>-</u>	Redox Feat			_	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
)-12	10YR 3/2	100					Silt loam	
12-24	10YR 5/2	50	10YR 5/6	15	C	PL M	Clay loam	
	10YR 4/1	35						
		-				-	· -	
			-					
		-				-		
			-				· · · · · · · · · · · · · · · · · · · 	
		-				-		
			<u> </u>			-		
Typo: C-(Concentration, D=Depl	otion PA	A-Poduced Matrix	MS- Maskad S	Sand Grains		² Location: PL=Pore	Liping M-Matrix
	il Indicators:	ellon, Ki	n=Reduced Mairix,	ivio= iviaskeu s	Sanu Gianis			ematic Hydric Soils ³ :
-	Histosol (A1)			Polyvalue Belo	w Surface (S	8) (LRR R .		(10) (LRR K, L, MLRA 149B)
	Histic Epipedon (A2)		_	MLRA 149		, ,		Redox (A16) (LLR K, L, R)
	Black Histic (A3)			Thin Dark Surfa				Peat or Peat (S3) (LLR K, L, R)
	Hydrogen Sulfide (A4)			Loamy Mucky I	, ,	(LRR K, L)		(S7) (LRR K, L)
	Stratified Layers (A5)	Curfoos		Loamy Gleyed				low Surface (S8) (LRR K, L)
	Depleted Below Dark Thick Dark Surface (A			Depleted Matrix Redox Dark Su				rface (S9) (LRR K, L) ese Masses (F12) (LRR K, L, R)
	Sandy Mucky Mineral			Depleted Dark				odplain Soils (F19) (MLRA 149B)
	Sandy Gleyed Matrix (Redox Depress				(TA6) (MLRA 144A, 145, 149B)
	Sandy Redox (S5)	,		•	, ,		☐ Red Parent M	Naterial (F21)
	Stripped Matrix (S6)							Dark Surface (TF12)
	Dark Surface (S7) (LR	R R, ML	RA 149B)				☐ Other (Explain	n in Remarks)
3Indicators	of Hydrophytic vegetat	ion and v	wetland hydrology	must he presen	t unless dist	urbed or pr	oblematic	
	Layer (if observed):			20 р. 000	.,	альса с. р.		
	: <u> </u>						Hydric Soil Present	? Yes⊠ No □
Deptl	h (inches):						,	
Remarks: N	No hydric soil indicat	ors obs	erved.					

WETLAND DETER	RMINATION DATA	A FORM - Northc	entral and Northeas	st Region
Project/Site: Hickory Hill Farms, Inc.	City/County:	Village of Sussex/Wauke	sha County	Sampling Date: 5-7-2019
Applicant/Owner:			State: WI	Sampling Point: 4
Investigator(s): Chris Jors, Jen Dietl, and Shane I			e: SW Quarter, Section 21, 7	<u>「8N-R19E</u>
Landform (hillslope, terrace, etc.): tributary to Spr		` .	vex, none): <u>linear, concave</u>	Slope (%): <u>0-3%</u>
Subregion (LRR or MLRA): LRR K	L	.at: Long: _		
Soil Map Unit Name: Lamartine silt loam (LmB)	al for this time of year?	Vac M No D		classification: <u>E2K</u>
Are climatic/hydrologic conditions on the site typic Are Vegetation, Soil, or Hydrology		Yes ⊠ No □	(If no, explain in Remarks) mstances" present? Yes	
Are Vegetation, Soil, or Hydrology			n any answers in Remarks.)	Z 140 🗆
				tant factures at
SUMMARY OF FINDINGS – Attach site	e map snowing sar	npling point location	ons, transects, impor	tant features, etc.
Hydrophytic Vegetation Present?	□No	Is the Sampled Are within a Wetland?	a ⊠ Yes	□No
Hydric Soils Present?	□No	within a vvettaria:	△ 163	
Wetland Hydrology Present? ☐ Yes	□No	If yes, optional Wetla	and Sita ID: PCA 2	
Remarks: (Explain alternative procedures here	or in a senarate report)			
Tremains. (Explain alternative procedures here t	or iii a separate report.)	30-day antecedent pre	cipitation is normal.	
HYDROLOGY				
Wetland Hydrology Indicators:			Secondary Ind	icators (minimum of two required)
Primary Indicators (minimum of one is required;	check all that apply)		□ Surface 9	Soil Cracks (B6)
<u> </u>	_	ned Leaves (B9)		` '
Surface Water (A1)		Patterns (B10)		
High Water Table (A2)	Aquatic Fa			n Lines (B16)
Saturation (A3)	Marl Depos	sits (B15)		on Water Table (C2)
Water marks (B1)	Hydrogen S	Sulfide Odor (C1)	Crayfish I	Burrows (C8)
☐ Sediment Deposits (B2)	☐ Oxidized R	hizospheres on Living Ro	oots (C3) Saturation	n Visible on Aerial Imagery (C9)
Drift Deposits (B3)	☐ Presence of	of Reduced Iron (C4)		or Stressed Plants (D1)
Algal Mat or Crust (B4)		n Reduction in Tilled Soils		phic Position (D2)
□ Water marks (B1) □ Sediment Deposits (B2) □ Drift Deposits (B3) □ Algal Mat or Crust (B4) □ Iron Deposits (B5)		Surface (C7)		Aquitard (D3)
		` '		. , ,
		lain in Remarks)		ographic Relief (D4)
Sparsely Vegetated Concave Surface	(B8)	Т	⊠ FAC-Neu	tral Test (D5)
Field Observations:				
Surface Water Present? Yes No	. , ,	_		
Water Table Present? Yes ⊠ No □	Depth (inches): 17			
Saturation Present? Yes ⊠ No □	Depth (inches): 10		Wetland Hydrology Prese	nt? Yes⊠ No □
(includes capillary fringe)				
Describe Recorded Data (stream gauge, monitor	ing well, aerial photos, p	revious inspections), if av	ailable: Topo Map (Exhibit	I), WWI Map (Exhibit 2), Soils Map
(Exhibit 3), and Aerial Photos (Exhibit 4).				
December The large vactor scales agreed a plat	: th			ita. Tharrafara anila ware abla
Remarks: The long rectangular sample plot	•		•	
to be assessed and indicators A2 and A3 a	pplied. The waterway	lies just outside the pio	ot and is about 5 inches d	eep. However, is not included
in the FEMA floodway/floodplain mapping.				

Sampling Point: 4

<u>Tree Stratum</u> (Plot size: <u>30' radius</u>)	Absolute	Dominant	Indicator	Dominance Test worksheet:
1	% Cover	Species? ☐	<u>Status</u>	
				Number of Dominant Species That are OBL, FACW, or FAC: 1 (A)
2				
3				Total Number of Dominant Species Across All Strata: 1 (B)
4	-			
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)
6				
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cov	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1. Sambucus nigra	<u>3</u>		<u>FACW</u>	FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
·· 	<u>3</u>	= Total Cov		Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5' radius)	<u> </u>	= 10tai 00V	51	Dominance Test is >50% Prevalence Index is ≤3.0¹
1. Phalaris arundinacea	<u>70</u>	\boxtimes	FACW	☐ Morphological Adaptations¹ (Provide supporting
	<u>5</u>		OBL	data in Remarks or on a separate sheet)
2. <u>Typha angustifolia</u>	⊻		ODL	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3				¹ Indicators of hydric soil and wetland hydrology must
4	-			Be present, unless disturbed or problematic.
5				Definition of Manufation Office
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>75</u>	= Total Cov	er	
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in
1		П		height
2				
2				
3	-			Hydrophytic Vegetation
4				Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet.	<u>0</u> \ Degraded	= Total Cov		
Remarks. (include prioto number nere of on a separate sneet	.) Degraded	ilesii (wei) ii	ieauow.	

Profile De	scription: (Describe	to the dep	oth needed to docu	ment the indi	cator or cor	nfirm the a	bsence of indicators.)		
Depth	Matrix			Redox Featu	ıres		_		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	_ Re	emarks
-6	10YR 3/2	85	10YR 4/6	5	С	PL M	Silty clay loam		
	10YR 5/2	10							
-10	2.5Y 5/2	75	10YR 5/6	5	C	PL M	Silty clay loam		
	10YR 3/2	20					-		
0-18	5Y 5/2	80	10YR 4/6	20	C	PL M	Silty clay loam	with disintegrat	
8+	·						-	Too wet to pull	l up.
							_		
		-							
		-					-		
							-	_	
	· -						-		
							_		
Гуре: С=	Concentration, D=Dep	letion, RN	1=Reduced Matrix, N	MS= Masked Sa	and Grains		² Location: PL=Pore	Lining, M=Matrix	x
-	il Indicators:						Indicators for Probl		
	Histosol (A1)		□ P	olyvalue Below		8) (LRR R ,		A10) (LRR K, L, I	
	Histic Epipedon (A2) Black Histic (A3)		Пт	MLRA 149E hin Dark Surfa	,	RR MIRA		e Redox (A16) (LL Peat or Peat (S3)	
	Hydrogen Sulfide (A4))		oamy Mucky M	. , .			e (S7) (LRR K, L)	
	Stratified Layers (A5)			oamy Gleyed N	Matrix (F2)			elow Surface (S8)	
	Depleted Below Darl			epleted Matrix				urface (S9) (LRR	
	Thick Dark Surface (A Sandy Mucky Mineral			Redox Dark Su Depleted Dark S				iese Masses (F12 podplain Soils (F1	
	Sandy Mucky Mineral Sandy Gleyed Matrix			repieted Dark s Redox Depressi				c (TA6) (MLRA 1 4	
	Sandy Redox (S5)	(0.)		. o a o x 2 o p . o o o .	(1.0)			Material (F21)	,,
	Stripped Matrix (S6)							v Dark Surface (T	F12)
	Dark Surface (S7) (LF	RR R, MLI	RA 149B)				☐ Other (Expla	in in Remarks)	
Indicators	of Hydrophytic vegeta	ition and v	vetland hydrology m	ust be present,	, unless dist	urbed or pr	oblematic.		
	e Layer (if observed)								
	e:						Hydric Soil Present	t? Yes ⊠	No 🗌
	h (inches):								
Remarks:									

WETLAND DETERMINATION DA	TA FORM – Northcentr	al and Northeast Region
Project/Site: <u>Hickory Hill Farms, Inc.</u> City/Count Applicant/Owner:	y: <u>Village of Sussex/Waukesha C</u>	CountySampling Date: 5-7-2019State: WISampling Point: 5
Investigator(s): Chris Jors, Jen Dietl, and Shane Heyel: SEWRPC Landform (hillslope, terrace, etc.): terrace Subregion (LRR or MLRA): LRR K Soil Map Unit Name: Lamartine silt loam (LmB)	Section, Township, Range: <u>SW</u> Local relief (concave, convex, r Lat: Long:	· · · · —
Are climatic/hydrologic conditions on the site typical for this time of year Are Vegetation, Soil, or Hydrology significantly disturb Are Vegetation, Soil, or Hydrology naturally problema	ed? Are "Normal Circumstar tic? (If, needed, explain any	no, explain in Remarks) nces" present? Yes 🗵 No 🗌 answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing s	sampling point locations,	transects, important features, etc.
Hydrophytic Vegetation Present? ☐Yes ☐No Hydric Soils Present? ☐Yes ☐No Wetland Hydrology Present? ☐Yes ☐No	Is the Sampled Area within a Wetland?	☐ Yes ☑ No
Remarks: (Explain alternative procedures here or in a separate report	If yes, optional Wetland S	
HYDROLOGY		
Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)		Surface Soil Cracks (B6)
	Stained Leaves (B9)	Drainage Patterns (B10)
	Fauna (B13)	Moss Trim Lines (B16)
☐ Saturation (A3) ☐ Marl De ☐ Water marks (B1) ☐ Hydrogo	posits (B15)	☐ Dry-Season Water Table (C2) ☐ Crayfish Burrows (C8)
	en Sulfide Odor (C1) d Rhizospheres on Living Roots (
Sediment Deposits (B2) Drift Deposits (B3) Dreft Deposits (B3)	ce of Reduced Iron (C4)	
☐ Drift Deposits (B3) ☐ Present ☐ Algal Mat or Crust (B4) ☐ Recent	, ,	
	Iron Reduction in Tilled Soils (C6) ick Surface (C7)	Shallow Aquitard (D3)
	Explain in Remarks)	☐ Microtopographic Relief (D4)
	-xpiaiii iii Neiliaiks)	
Sparsely Vegetated Concave Surface (B8) Field Observations:		FAC-Neutral Test (D5)
Surface Water Present? Yes ☐ No ☒ Depth (inches): _		
Water Table Present? Yes ⊠ No ☐ Depth (inches): 2		
Saturation Present? Yes ⊠ No ☐ Depth (inches): 1		land Hydrology Present? Yes ☐ No ☒
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos (Exhibit 3), and Aerial Photos (Exhibit 4).	s, previous inspections), if availab	le: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map
Remarks: No wetland hydrology indicators observed.		
3,		

Tron Stratum (Plot aiza: 20' radius)	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30' radius)	% Cover	Species? ☐	<u>Status</u>	
1				Number of Dominant Species That are OBL, FACW, or FAC: 0 (A)
2				
3				Total Number of Dominant
4				Species Across All Strata: <u>1</u> (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 0% (A/B)
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
	<u>0</u>	= Total Cove	er	☐ Rapid Test for Hydrophytic Vegetation☐ Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)				☐ Prevalence Index is ≤3.0¹
1. Poa pratensis	<u>85</u>	\boxtimes	FACU	☐ Morphological Adaptations¹ (Provide supporting
2				data in Remarks or on a separate sheet)
				☐ Problematic Hydrophytic Vegetation¹ (Explain)
3				¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5				
6		\Box		Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				
				Sapling/shrub – Woody plants less than 3in. DBH and greater than 3.28 ft (1 m) tall.
10				and greater than 5.26 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>85</u>	= Total Cove	er	Woody vines – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30' radius)				height
1				
2				
3.				Undrambutia
4				Hydrophytic Vegetation
4				Present? Yes □ No ☒
Remarks: (include photo number here or on a separate sheet.	0 Mowad la	= Total Cove		
Remarks. (include photo number here of on a separate sheet.) Mowed la	WII.		

OIL										Sampling Po	oint: <u>5</u>	
Profile Des	scription: (Describe t	o the dep	th needed to	docume	nt the indi	icator or con	firm the a	bsence	of indicators.)			
Donth	Matrix			F	Redox Feat	ures						
Depth (inches)	Color (moist)	%	Color (mo		%	Type ¹	Loc ²	_	Texture	Re	emarks	
0-14	10YR 3/2	100		101)		1,700		Silt loa			manto	
	10YR 3/2		10YR 3/4				DL M					
14-19		95	101R 3/4		5		PL M		ay loam			
19-24	10YR 3/1	100						Silty cli	ay loam			
				<u>.</u>					· ·			
			-									
			-						·			
	· 		-						· -			
¹ Type: C=0	Concentration, D=Dep	etion, RM	=Reduced Mat	rix, MS=	= Masked S	Sand Grains		2	Location: PL=Pore Li	ning, M=Matrix	X	
	Il Indicators:	,		, -					dicators for Problem			
	Histosol (A1)			Poly	value Belov	w Surface (S8) (LRR R,		2 cm Muck (A1			
	Histic Epipedon (A2)				MLRA 149	•			☐ Coast Prairie R			
	Black Histic (A3)					ace (S9) (LRR		149B)	5 cm Mucky Pe			K, L, R)
	Hydrogen Sulfide (A4)					Mineral (F1) (L	RR K, L)		☐ Dark Surface (S	, ,		
	Stratified Layers (A5)	fa.a.a. (/	L			Matrix (F2)			Polyvalue Belov			K, L)
	Depleted Below Dark S Thick Dark Surface (A		\11)		leted Matrix ox Dark Su				☐ Thin Dark Surfa☐ Iron-Manganes			OKID)
	Sandy Mucky Mineral					Surface (F7)			☐ Piedmont Floor			
	Sandy Gleyed Matrix (ox Depress				☐ Mesic Spodic (
	Sandy Redox (S5)	,		_	·	, ,			Red Parent Ma		,	, ,
	Stripped Matrix (S6)								☐ Very Shallow D		F12)	
	Dark Surface (S7) (LR	R R, MLF	(A 149B)						Other (Explain	n Remarks)		
31	- C. Danis and D. Carras and a	dan an dan	and a seal be extended as		h	I a a a a Pari	ale and a second	- l. l	_			
	of Hydrophytic vegeta Layer (if observed)		etiana nyarolog	gy must	be present	i, uniess distu	rbea or pro	obiematio	C.			
	:	•						L.	udria Sail Bracant?	Voc 🏻	No	\square
	 h (inches):							"	ydric Soil Present?	Yes ∐	NO	
	No hydric soil indicat	ors obse	rved									
rtomanto. I	to riyano don malaa	.010 0000	i vou.									

WETLAND DETERMIN	NATION DATA	FORM - Northce	entral and Northea	ast Region		
Project/Site: <u>Hickory Hill Farms, Inc.</u> Applicant/Owner:	City/County: Vil	llage of Sussex/Waukes	<u>ha County</u> State: WI	Sampling Date: <u>5-7-2019</u> Sampling Point: <u>6</u>		
Investigator(s): Chris Jors, Jen Dietl, and Shane Heyel:	: SEWRPC Sec	ction, Township, Range:	SW Quarter, Section 21			
Landform (hillslope, terrace, etc.): drainageway (grasse		•	ex, none): <u>linear, concav</u>	- · · · · 		
Subregion (LRR or MLRA): LRR K	Lat	: Long:		I classification: <u>E2K</u>		
Soil Map Unit Name: <u>Lamartine silt loam (LmB)</u> Are climatic/hydrologic conditions on the site typical for	this time of year?	Yes⊠ No □	(If no, explain in Remark			
Are Vegetation, Soil, or Hydrology sig	nificantly disturbed?		nstances" present? Yes	·		
Are Vegetation, Soil, or Hydrology na	turally problematic?	(If, needed, explain	any answers in Remarks	.)		
SUMMARY OF FINDINGS – Attach site ma	ap showing samp	pling point locatio	ns, transects, impo	ortant features, etc.		
Hadankata Vandata Baranto Baranto	- In	Is the Sampled Area				
Hydrophytic Vegetation Present?	□No □No	Is the Sampled Area within a Wetland?	⊠ Yes	□No		
Wetland Hydrology Present?	□No					
		If yes, optional Wetlar	· · · · · · · · · · · · · · · · · · ·			
Remarks: (Explain alternative procedures here or in a	a separate report.) 90	-day antecedent prec	cipitation is normal.			
HYDROLOGY						
Wetland Hydrology Indicators:			Secondary In	ndicators (minimum of two required)		
Primary Indicators (minimum of one is required; check	all that apply)		☐ Surface	Soil Cracks (B6)		
Surface Water (A1)	Water-Staine	d Leaves (B9)	Drainag	e Patterns (B10)		
High Water Table (A2)	Aquatic Faun	na (B13)		rim Lines (B16)		
Saturation (A3)	Marl Deposits					
Water marks (B1)	Hydrogen Su	Ifide Odor (C1)		n Burrows (C8)		
☐ Water marks (B1) ☐ Sediment Deposits (B2) ☐ Drift Deposits (B3)	Oxidized Rhiz	zospheres on Living Roo	· · · · —	on Visible on Aerial Imagery (C9)		
Drift Deposits (B3)	Presence of F	Reduced Iron (C4)		or Stressed Plants (D1)		
Algal Mat or Crust (B4)		Reduction in Tilled Soils		rphic Position (D2)		
Iron Deposits (B5)	Thin Muck Su	urface (C7)		Aquitard (D3)		
Inundation Visible on Aerial Imagery (B7)	Other (Explai	in in Remarks)	Microto	pographic Relief (D4)		
Sparsely Vegetated Concave Surface (B8)			⊠ FAC-Ne	eutral Test (D5)		
Field Observations:	anth (inches). A					
	epth (inches): 4					
	epth (inches):					
(includes capillary fringe)	eptii (iiiciles).		Wetland Hydrology Pres	sent? Yes 🛛 No 🗌		
Describe Recorded Data (stream gauge, monitoring w	vell, aerial photos, prev	vious inspections), if ava	nilable: Topo Map (Exhibi	t 1), WWI Map (Exhibit 2), Soils Map		
(Exhibit 3), and Aerial Photos (Exhibit 4).						
Remarks:						

<u>Tree Stratum</u> (Plot size: <u>30' radius</u>)	Absolute	Dominant	Indicator	Dominance Test worksheet:
1	% Cover	Species? ☐	<u>Status</u>	
				Number of Dominant Species That are OBL, FACW, or FAC: 1 (A)
2				
3				Total Number of Dominant Species Across All Strata: 1 (B)
4				
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)
6				
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cov	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
·· 	<u>0</u>	= Total Cov		Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5' radius)	⊻	= 10tal C0V	GI	Dominance Test is >50% Prevalence Index is ≤3.0¹
	<u>80</u>	$oxed{\boxtimes}$	FACW	☐ Morphological Adaptations¹ (Provide supporting
1. Agrostis gigantea	<u>20</u>		FACU	data in Remarks or on a separate sheet)
2. <u>Poa pratensis</u>				☐ Problematic Hydrophytic Vegetation¹ (Explain)
3. Rumex crispus	<u>2</u>		FAC	¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5				
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Horto All borbossos (rom woods) relate recordless
12	-			Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
	<u>102</u>	= Total Cov	er	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in
1				height
2				
2				
3		_		Hydrophytic Vegetation
4		<u> </u>		Present? Yes ⊠ No □
Demostrar (include photo number have as an a concrete sheet	<u>0</u>	= Total Cov		
Remarks: (include photo number here or on a separate sheet fresh (wet) meadow.	.) The Samp	ne site is iii a	grasseu sw	ale that is mowed when dry enough. Degraded

OIL										Sampling Po	oint: <u>6</u>	
Profile Des	scription: (Describe to	the dep	th needed 1	to docun	nent the indi	cator or con	firm the a	bsence	of indicators.)			
	Matrix				Redox Feat				•			
Depth (inches)	Color (moist)	%	Color (ı	moist)	%	Type ¹	Loc ²	Texture		Remarks		
				ilioisi)				011			illaiks	
0-17	10YR 3/1	97	10YR 4/4		3	C	PL M	Clay I	oam			
17+										Too wet to pull	up.	
										-		
										-		-
¹Type: C=0	Concentration, D=Deple	etion, RM	=Reduced N	Matrix, M	S= Masked S	and Grains			² Location: PL=Pore	Lining, M=Matrix	(
	I Indicators:			· · ·					ndicators for Proble			
-	Histosol (A1)			☐ Po	lyvalue Belov	w Surface (S8	3) (LRR R,			(10) (LRR K, L, N		
	Histic Epipedon (A2)				MLRA 149				☐ Coast Prairie	Redox (A16) (LL	_R K, L, R)	
	Black Histic (A3)			☐ Th	in Dark Surfa	ice (S9) (LRF	R, MLRA	149B)		Peat or Peat (S3)		
	Hydrogen Sulfide (A4)				amy Mucky N					(S7) (LRR K, L)		
	Stratified Layers (A5)			☐ Lo	amy Gleyed I	Matrix (F2)			☐ Polyvalue Bel	low Surface (S8)	(LRR K, L)	
	Depleted Below Dark S	urface (A	.11)		epleted Matrix					rface (S9) (LRR		
	Thick Dark Surface (A1	2)		⊠ R€	dox Dark Su	ırface (F6)			☐ Iron-Mangane	ese Masses (F12	2) (LRR K, L, R	.)
	Sandy Mucky Mineral (S1)			epleted Dark S					odplain Soils (F1		
	Sandy Gleyed Matrix (S				edox Depress					(TA6) (MLRA 14		
	Sandy Redox (S5)	,		_	·	` ,			Red Parent M			′
	Stripped Matrix (S6)									Dark Surface (TI	F12)	
	Dark Surface (S7) (LRF	R, MLR	A 149B)						Other (Explain		,	
	, , ,		,						_ , ,	•		
³ Indicators	of Hydrophytic vegetati	on and w	etland hydro	ology mu	st be present	, unless distu	rbed or pro	oblema	tic.			
Restrictive	Layer (if observed):											
Type:	:							ı	Hydric Soil Present	? Yes ⊠	No 🗌	
Depth	h (inches):								•	_	 -	
Remarks:	<u>, , , , , , , , , , , , , , , , , , , </u>											

WETLAND DETERMINAT	ION DATA FORM - Northce	entral and Northeast Region
Project/Site: <u>Hickory Hill Farms, Inc.</u> Applicant/Owner:	City/County: Village of Sussex/Waukes	State: WI Sampling Date: 5-7-2019 State: WI Sampling Point: 7
Investigator(s): Chris Jors, Jen Dietl, and Shane Heyel: SEV Landform (hillslope, terrace, etc.): slight hillslope Subregion (LRR or MLRA): LRR K Soil Map Unit Name: Lamartine silt loam (LmB)	VRPC Section, Township, Range Local relief (concave, conv Lat: Long:	· · · · · —
Are climatic/hydrologic conditions on the site typical for this ti Are Vegetation, Soil, or Hydrology significate Are Vegetation, Soil, or Hydrology naturally	antly disturbed? Are "Normal Circun y problematic? (If, needed, explain	(If no, explain in Remarks) nstances" present? Yes ⊠ No □ n any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map s	nowing sampling point location	ons, transects, important features, etc.
Hydrophytic Vegetation Present? ☐Yes ☐No Hydric Soils Present? ☐Yes ☐No Wetland Hydrology Present? ☐Yes ☐No	within a Wetland?	☐ Yes
Remarks: (Explain alternative procedures here or in a sepa	If yes, optional Wetla	
HYDROLOGY Western Hydrology Indicators		Connecting (minimum of two required)
Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all the	nat annly)	Secondary Indicators (minimum of two required)
Surface Water (A1)	<u>матарруу</u>] Water-Stained Leaves (В9)	☐ Surface Soil Cracks (B6)☐ Drainage Patterns (B10)
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3)	Marl Deposits (B15)	☐ Dry-Season Water Table (C2)
Water marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2)		ots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	
☐ Iron Deposits (B5)	Thin Muck Surface (C7)	☐ Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	
Sparsely Vegetated Concave Surface (B8)		☐ FAC-Neutral Test (D5)
Field Observations:	(in also a)	
·	(inches): (inches):	
		Western Hilberten December 200 No. 7
(includes capillary fringe)	(mones). <u>10</u>	Wetland Hydrology Present? Yes ☐ No ☒
Describe Recorded Data (stream gauge, monitoring well, a (Exhibit 3), and Aerial Photos (Exhibit 4).	erial photos, previous inspections), if ava	ailable: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map
Remarks: No wetland hydrology indicators observed.		

<u>Tree Stratum</u> (Plot size: <u>30' radius</u>)	Absolute	Dominant	Indicator	Dominance Test worksheet:
1	% Cover	Species? ☐	<u>Status</u>	Number of Dominant Species
				That are OBL, FACW, or FAC: 0 (A)
2				
3				Total Number of Dominant Species Across All Strata: <u>3</u> (B)
4				
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 0% (A/B)
6				
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cov	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4	-			UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
· · · —	<u>0</u>	= Total Cov	er	Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5' radius)	_	- 10tai 001	0.	☐ Dominance Test is >50% ☐ Prevalence Index is ≤3.0¹
1. Glechoma hederacea	<u>30</u>	\boxtimes	FACU	☐ Morphological Adaptations¹ (Provide supporting
2. Poa pratensis	<u>30</u>		FACU	data in Remarks or on a separate sheet)
	<u>25</u>		FACU	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3. <u>Trifolium repens</u>				¹ Indicators of hydric soil and wetland hydrology must
4. <u>Schedonorus arundinaceus</u>	<u>10</u>		<u>FACU</u>	Be present, unless disturbed or problematic.
5. <u>Taraxacum officinale</u>	<u>8</u>		<u>FACU</u>	Definitions of Variation Strate.
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>103</u>	= Total Cov	er	
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in height
1				noight
2.				
3				Hardward and a
4				Hydrophytic Vegetation
	<u> </u>	= Total Cov		Present? Yes ☐ No ☒
Remarks: (include photo number here or on a separate sheet.			U I	
(.,			

5OIL										Sampling Po	oint: <u>7</u>	
Profile Des	scription: (Describe to	o the dep	th needed to	docum	ent the indi	cator or con	firm the a	bsence (of indicators.)			
	Matrix				Redox Feat				·			
Depth (inches)	Color (moist)	%	Color (m	noiet)	%	Type ¹	Loc ²	_	Texture	D ₄	emarks	
0-12	10YR 3/1	100	00101 (11	10131)		Турс		Silt loa		110	marks	
12-20	10YR 3/1	100	40V/D 4/4						ay loam			
20-25	10YR 3/1	98	10YR 4/4		2	C	PL M	Clay lo	am			
	·											
	· ·											
	Concentration, D=Depl	etion, RN	=Reduced M	latrix, M	S= Masked S	and Grains			Location: PL=Pore Li			
-	il Indicators:								dicators for Problem	-		
_	Histosol (A1)			☐ Po	yvalue Belov MLRA 149	v Surface (S8	B) (LRR R,		2 cm Muck (A1			
	Histic Epipedon (A2) Black Histic (A3)			□ Thi		ice (S9) (LRF	P MIRA	149R)	☐ Coast Prairie R☐ 5 cm Mucky Pe			
	Hydrogen Sulfide (A4)					/lineral (F1) (1430)	☐ Dark Surface (\$			IX, ∟ , IX)
	Stratified Layers (A5)				amy Gleyed I	, , ,	, ,		☐ Polyvalue Belov	, ,		K, L)
	Depleted Below Dark S		(11)		pleted Matrix				☐ Thin Dark Surfa			
	Thick Dark Surface (A				dox Dark Su				☐ Iron-Manganes			
	Sandy Mucky Mineral Sandy Gleyed Matrix (pleted Dark S dox Depress				☐ Piedmont Flood ☐ Mesic Spodic (**			
	Sandy Gleyed Matrix (Sandy Redox (S5)	34)			dox Depiess	10113 (1 0)			Red Parent Ma		TTA, 1	45, 1496)
	Stripped Matrix (S6)								☐ Very Shallow D		F12)	
	Dark Surface (S7) (LR	R R, MLF	(A 149B)						Other (Explain	in Remarks)		
31 11 .												
	of Hydrophytic vegetate Layer (if observed):		etland hydro	logy mus	st be present	, unless distu	irbed or pro	oblematio	C.			
	:	•						ال ال	ydric Soil Present?	Yes 🗌	No	\square
, ,	 h (inches):							"	yunc son Fresent!	i es 🖂	NO	
	No hydric soil indicat	ors obse	rved.					ı				

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region Sampling Date: 5-7-2019 Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 8 Applicant/Owner: __ State: WI Investigator(s): Chris Jors, Jen Dietl, and Shane Heyel: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): hillslope Local relief (concave, convex, none): linear concave Slope (%): 0-3% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Lamartine silt loam (LmB) NWI classification: None Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No □ (If no, explain in Remarks) Are Vegetation_X_, Soil____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes □ No 🖂 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? □No ⊠Yes within a Wetland? □No □No Hydric Soils Present? ⊠Yes □No Wetland Hydrology Present? ⊠Yes If yes, optional Wetland Site ID: PCA 1 Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. Sample site has significantly disturbed vegetation due to mowing. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) ☐ Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) \boxtimes ☐ Aquatic Fauna (B13) Moss Trim Lines (B16) \boxtimes Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) П Water marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Oxidized Rhizospheres on Living Roots (C3) Sediment Deposits (B2) Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) П Recent Iron Reduction in Tilled Soils (C6) Algal Mat or Crust (B4) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Microtopographic Relief (D4) \Box Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No 🛛 Depth (inches): Water Table Present? Yes 🛛 No 🗌 Depth (inches): 9 Saturation Present? Yes 🖂 No \square Depth (inches): 0 (at surface) Wetland Hydrology Present? Yes 🖂 No \square (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4). Remarks: Sample site is part of a ground water seepage area.

Tree Chartery (Diet sine 20) redice)	Absolute	Dominant	Indicator	Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size: <u>30' radius</u>)	% Cover	Species? ☐	<u>Status</u>	
1				Number of Dominant Species That are OBL, FACW, or FAC: 1 (A)
2				
3				Total Number of Dominant Species Across All Strata: 2 (B)
4				Species Across Air Strata. <u>2</u> (b)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 50% (A/B)
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species <u>0</u> x 1 = <u>0</u>
1				FACW species <u>50</u> x 2 = <u>100</u>
2				FAC species $\underline{0}$ x 3 = $\underline{0}$
3				FACU species <u>53</u> x 4 = <u>212</u>
4				UPL species <u>0</u> x 5 = <u>0</u>
5				Column Totals: 103 (A) 312 (B)
6				Prevalence Index = $B/A = 3.03$
7				Hydrophytic Vegetation Indicators:
r	<u>0</u>	= Total Cove		Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5' radius)	<u> </u>	= Total Cove	5 1	□ Dominance Test is >50% □ Prevalence Index is ≤3.0¹
	<u>50</u>	\boxtimes	FACW	☐ Morphological Adaptations¹ (Provide supporting
1. Agrostis gigantea			FACU	data in Remarks or on a separate sheet)
2. <u>Poa pratensis</u>	<u>50</u>			☑ Problematic Hydrophytic Vegetation¹ (Explain)
3. <u>Taraxacum officinale</u>	<u>3</u>		<u>FACU</u>	¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5				
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				
12				Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
	103	= Total Cove		or oze, and weedy plante less than e.ze it tall.
Woody Vine Stratum (Plot size: 30' radius)		_ 10tai 001	J.	Woody vines – All woody vines greater than 3.28 ft in
4		П		height
1		_		
2				
3		<u> </u>		Hydrophytic
4				Vegetation Present? Yes ⊠ No □
	0	= Total Cove		
Remarks: (include photo number here or on a separate sheet and hydric soil indicators. However, regular mowing has			-	
site is determined to be wetland with significantly distur			-	-
		.,		(

Profile De	scription: (Describe t	o the de	oth needed to docu	ment the ind	icator or cor	nfirm the a	bsence of indicators.)	
Depth	Matrix			Redox Feat	tures			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-10	10YR 3/1	90	10YR 4/6	10	С	PL M	Silty clay loam	
10-20	2.5Y 3/1	88	7.5YR 3/4	12	С	PL M	Clay loam	
20-27	10YR 4/1	80	10YR 5/6	20	С	PL M	Clay loam	
				_				
				_				
						-		
		1				-		
			-			-		
			-					
			-					
			-	_				
	· · ·	-				-		
	·	-				-	·	
¹Type: C=	Concentration, D=Dep	letion, RN	Л=Reduced Matrix, N	//S= Masked S	Sand Grains		² Location: PL=Pore L	
-	il Indicators:						Indicators for Problem	-
	Histosol (A1)		∐ P	olyvalue Belo MLRA 149		8) (LRR R		(0) (LRR K, L, MLRA 149B) Redox (A16) (LLR K, L, R)
	Histic Epipedon (A2) Black Histic (A3)		Пт	hin Dark Surfa	,	RR MIRA		eat or Peat (S3) (LLR K, L, R)
	Hydrogen Sulfide (A4)			oamy Mucky I				S7) (LRR K, L)
	Stratified Layers (A5)		☐ L	oamy Gleyed		,	☐ Polyvalue Belo	ow Surface (S8) (LRR K, L)
	Depleted Below Dark			epleted Matri				ace (S9) (LRR K, L)
	Thick Dark Surface (A Sandy Mucky Mineral			edox Dark Sepleted Dark				se Masses (F12) (LRR K, L, R) dplain Soils (F19) (MLRA 149B)
	Sandy Gleyed Matrix (ledox Depress				(TA6) (MLRA 144A, 145, 149B)
	Sandy Redox (S5)	ζ- /	_		(-,		☐ Red Parent Ma	aterial (F21)
	Stripped Matrix (S6)							Dark Surface (TF12)
	Dark Surface (S7) (LR	R R, ML	RA 149B)				☐ Other (Explain	in Remarks)
3Indicators	of Hydrophytic vegeta	tion and v	wetland hydrology m	ust be presen	t. unless dist	urbed or pr	oblematic.	
	e Layer (if observed)		, 0,		•	· ·		
):						Hydric Soil Present?	Yes⊠ No □
Dept	h (inches):							
Remarks:								
1								
ı								

WETLAND DETERMINATION	DATA FORM - Northc	entral and Northeast F	Region
Project/Site: <u>Hickory Hill Farms, Inc.</u> City/C Applicant/Owner:	County: Village of Sussex/Wauke	<u>sha County</u> State: <u>WI</u>	Sampling Date: <u>5-7-2019</u> Sampling Point: <u>9</u>
Investigator(s): Chris Jors, Jen Dietl, and Shane Heyel: SEWRPC Landform (hillslope, terrace, etc.): hillslope Subregion (LRR or MLRA): LRR K Soil Map Unit Name: Lamartine silt loam (LmB)	Section, Township, Range Local relief (concave, con- Lat: Long: _	Datum:	-R19E Slope (%): <u>0-3%</u> sification: <u>None</u>
Are climatic/hydrologic conditions on the site typical for this time of Are Vegetation, Soil, or Hydrology significantly di Are Vegetation, Soil, or Hydrology naturally prob	sturbed? Are "Normal Circui lematic? (If, needed, explain	(If no, explain in Remarks) mstances" present? Yes ⊠ n any answers in Remarks.)	No 🗆
SUMMARY OF FINDINGS – Attach site map showi	ng sampling point location	ons, transects, importan	t features, etc.
Hydrophytic Vegetation Present? ☐ Yes ☐ No Hydric Soils Present? ☐ Yes ☐ No Wetland Hydrology Present? ☐ Yes ☐ No	Is the Sampled Area within a Wetland?	☐ Yes	⊠No
Remarks: (Explain alternative procedures here or in a separate re	If yes, optional Wetla		
HYDROLOGY Wetland Hydrology Indicators:		Casandan Indiaat	ors (minimum of two required)
Primary Indicators (minimum of one is required; check all that app	nlv)	_	
	ater-Stained Leaves (B9)	☐ Surface Soil □ Drainage Pat	, ,
	uatic Fauna (B13)	☐ Moss Trim Li	
☐ Saturation (A3) ☐ Ma	arl Deposits (B15)		Vater Table (C2)
☐ Water marks (B1) ☐ Hy	drogen Sulfide Odor (C1)	☐ Crayfish Burr	
Sediment Deposits (B2)	idized Rhizospheres on Living Ro		sible on Aerial Imagery (C9)
☐ Drift Deposits (B3) ☐ Pre	esence of Reduced Iron (C4)		ressed Plants (D1)
	cent Iron Reduction in Tilled Soils		Position (D2)
☐ Iron Deposits (B5) ☐ Th	in Muck Surface (C7)	☐ Shallow Aqui	tard (D3)
☐ Inundation Visible on Aerial Imagery (B7) ☐ Oth	her (Explain in Remarks)	Microtopogra	phic Relief (D4)
☐ Sparsely Vegetated Concave Surface (B8)		☐ FAC-Neutral	Test (D5)
Field Observations:			
Surface Water Present? Yes No Depth (inches			
Water Table Present? Yes ⊠ No ☐ Depth (inchest Saturation Present? Yes ⊠ No ☐ Depth (inchest De			
Saturation Present? Yes ⊠ No ☐ Depth (incher (includes capillary fringe)	s). <u>19</u>	Wetland Hydrology Present?	Yes No 🛚
Describe Recorded Data (stream gauge, monitoring well, aerial pi (Exhibit 3), and Aerial Photos (Exhibit 4).	hotos, previous inspections), if av	railable: Topo Map (Exhibit 1), V	VWI Map (Exhibit 2), Soils Map
Remarks: No wetland hydrology indicators observed.			

<u>Tree Stratum</u> (Plot size: <u>30' radius</u>)	Absolute	Dominant	Indicator	Dominance Test worksheet:
1	% Cover	Species?	<u>Status</u>	
				Number of Dominant Species That are OBL, FACW, or FAC: 0 (A)
2				
3				Total Number of Dominant Species Across All Strata: 1 (B)
4				
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 0% (A/B)
6				
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cov	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
·· 	<u>0</u>	= Total Cov	<u>——</u> ≏r	Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5' radius)	-	= 10tal 00V	0 1	☐ Dominance Test is >50% ☐ Prevalence Index is ≤3.0¹
1. Poa pratensis	<u>60</u>	\boxtimes	FACU	☐ Morphological Adaptations¹ (Provide supporting
	<u>15</u>		FACU	data in Remarks or on a separate sheet)
2. <u>Taraxacum officinale</u>	<u>15</u>		FACU	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3. <u>Trifolium repens</u>				¹ Indicators of hydric soil and wetland hydrology must
4. <u>Schedonorus arundinaceus</u>	<u>10</u>		<u>FACU</u>	Be present, unless disturbed or problematic.
5				Definitions of Vanatation Chartes
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10			-	and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>100</u>	= Total Cov	er	
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in
1				height
2			<u> </u>	
2				
3				Hydrophytic Vegetation
4				Present? Yes □ No ☒
Remarks: (include photo number here or on a separate sheet.) Mowed la	= Total Cov	er	
Remarks. (include prioro number here or on a separate sheet.	.) Mowed la	VVII.		

OIL									Sampling Po	oint: <u>9</u>
Profile Des	scription: (Describe t	o the depth r	eeded to d	ocument the ind	licator or con	firm the a	bsence (of indicators.)		
Depth	Matrix			Redox Fea	tures					
(inches)	Color (moist)	%	Color (mois	st) %	Type ¹	Loc ²		Texture	Re	emarks
0-5	10YR 3/1	100					Silt loa	m		
5-11	10YR 3/2	80					Silt loa	m		
	10YR 5/3	20								
11-25	2.5Y 3/1	70					Silt loa	 m		
	10YR 5/3	30								
								·		
					,					
							-			
							-			
										
¹Type: C=0	Concentration, D=Dep	letion, RM=Re	educed Matr	ix, MS= Masked	Sand Grains		2	_ocation: PL=Pore L	ining, M=Matrix	x
-	I Indicators:		_					dicators for Probler		
	Histosol (A1)			Polyvalue Belo		B) (LRR R,		2 cm Muck (A1		
	Histic Epipedon (A2)			MLRA 149 Thin Dark Surf	,	D MIDA	140B)	Coast Prairie R		
	Black Histic (A3) Hydrogen Sulfide (A4)			Loamy Mucky			149B)	☐ 5 cm Mucky Pe☐ Dark Surface (\$		
	Stratified Layers (A5)			Loamy Gleyed		LIXIX IX, L)		☐ Polyvalue Belo		
	Depleted Below Dark	Surface (A11)						☐ Thin Dark Surfa		
	Thick Dark Surface (A									2) (LRR K, L, R)
	Sandy Mucky Mineral									19) (MLRA 149B)
	Sandy Gleyed Matrix ((S4)		Redox Depres	sions (F8)					44A, 145, 149B)
	Sandy Redox (S5)							Red Parent Ma		
	Stripped Matrix (S6) Dark Surface (S7) (LR	DD MIDA 1	40P)					☐ Very Shallow D☐ Other (Explain		F12)
	Dark Surface (S7) (EK	in in, william i	490)					☐ Other (Explain	iii iteiliaiks)	
³ Indicators	of Hydrophytic vegeta	tion and wetla	nd hydrolog	y must be presen	ıt, unless distu	irbed or pro	oblematio	С.		
	Layer (if observed)	:								
	: <u></u>						H	ydric Soil Present?	Yes □	No 🛚
	n (inches):									
Remarks: (Observed soil profile	may consis	t of old fill i	material for driv	eway mainte	enance. N	o hydrid	soil indicators obs	erved.	

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: 5-7-2019 Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 10 Applicant/Owner: __ State: WI Investigator(s): Chris Jors, Jen Dietl, and Shane Heyel: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): hillslope Local relief (concave, convex, none): convex Slope (%): 0-3% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Lamartine silt loam (LmB) NWI classification: None Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? ⊠No □Yes within a Wetland? ☐ Yes ⊠No ⊠Yes □No Hydric Soils Present? ⊠No Wetland Hydrology Present? □Yes If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) П П ☐ Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) ☐ Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Drift Deposits (B3) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) **Field Observations:** Surface Water Present? Yes No 🖂 Depth (inches): __ Water Table Present? Yes \boxtimes Depth (inches): No Saturation Present? Yes 🛛 No 🗌 Depth (inches): 21 Wetland Hydrology Present? Yes No 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4). Remarks: No wetland hydrology indicators observed.

Tree Stratum (Plot size: 30' radius)	Absolute	Dominant	Indicator	Dominance Test worksheet:
	% Cover	Species? ☐	<u>Status</u>	
1				Number of Dominant Species That are OBL, FACW, or FAC: 0 (A)
2			-	
3			-	Total Number of Dominant Species Across All Strata: 2 (B)
4				
5			-	Percent of Dominant Species That Are ORL FACIAL or FAC: 09/ (A/R)
6				That Are OBL, FACW, or FAC: 0% (A/B)
7				Prevalence Index worksheet:
	<u>O</u>	= Total Cov	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4			·	UPL species x 5 =
5				1
			-	
6				Prevalence Index = B/A = Hydrophytic Vegetation Indicators:
7			-	Rapid Test for Hydrophytic Vegetation
	<u>0</u>	= Total Cov	er	☐ Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)		<u> </u>		☐ Prevalence Index is ≤3.0¹☐ Morphological Adaptations¹ (Provide supporting
1. Poa pratensis	<u>45</u>		<u>FACU</u>	data in Remarks or on a separate sheet)
2. <u>Trifolium repens</u>	<u>30</u>	\boxtimes	<u>FACU</u>	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3. <u>Taraxacum officinale</u>	<u>15</u>		<u>FACU</u>	¹ Indicators of hydric soil and wetland hydrology must
4. <u>Schedonorus arundinaceus</u>	<u>10</u>		<u>FACU</u>	Be present, unless disturbed or problematic.
5				
6				Definitions of Vegetation Strata:
7			·	Tree Meady plants 2in (7.6 am) or mars in diameter
8				Tree – Woody plants 3in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height
			-	
9				Sapling/shrub – Woody plants less than 3in. DBH
10			-	and greater than 3.28 ft (1 m) tall.
11				Herb - All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>100</u>	= Total Cov	er	Woody vines – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30' radius)				height
1				
2				
3				Hydrophytic
4.		П		Vegetation
	<u>0</u>	= Total Cov	er	Present? Yes ☐ No ☒
Remarks: (include photo number here or on a separate sheet.				

	scription: (Describe to	the dep	th needed to	docume	nt the ind	icator or co	nfirm the a	bsence	of indicators.)			
Depth	Matrix			R	Redox Feat	tures		_				
(inches)	Color (moist)	%	Color (mo	ist)	%	Type ¹	Loc ²		Texture	Re	marks	
)-8	10YR 3/2	93	10YR 5/3		7	С	PL M	Silt loa	ım			
3-24	10YR 3/1	100						Silt loa	ım			
												
			-	 -			-	-				
				 -								
-												
-					-			-				
Typo: C-(Concentration, D=Deple	otion PM	I_Poducod Mai	triv MS-	Mackad 9	Sand Grains		2	Location: PL=Pore Lin	ing M-Matrix	,	
	I Indicators:	cuon, KIV	i-iveduced Mg	uia, ivio=	· waskeu s	Janu GidiliS			idicators for Problema	_		
-	Histosol (A1)			Poly	value Belo	w Surface (S	8) (LRR R ,		2 cm Muck (A10)			9B)
	Histic Epipedon (A2)				MLRA 149				☐ Coast Prairie Re	dox (A16) (LI	_R K, L, R	()
	Black Histic (A3)					ace (S9) (LR		149B)	5 cm Mucky Pea			L, R)
	Hydrogen Sulfide (A4)					Mineral (F1)	LRR K, L)		☐ Dark Surface (S7			
	Stratified Layers (A5) Depleted Below Dark S	Surface (/	_ \11) Г		ny Gleyed eted Matrix	Matrix (F2)			☐ Polyvalue Below☐ Thin Dark Surface			L)
	Thick Dark Surface (A1		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			urface (F6)			☐ Iron-Manganese			. L. R)
	Sandy Mucky Mineral (Surface (F7)			☐ Piedmont Floodp			
	Sandy Gleyed Matrix (S				ox Depress				☐ Mesic Spodic (T/			
	Sandy Redox (S5)								Red Parent Mate			
	Stripped Matrix (S6)	D D MI F	A 440B)						☐ Very Shallow Da		F12)	
	Dark Surface (S7) (LRI	K K, WILF	(A 149b)						Other (Explain in	Remarks)		
_				av must	be presen	t, unless dist	urbed or pr	oblemati	C.			
	of Hydrophytic vegetat	ion and v	vetland hydrolo	gymusi								
Indicators	of Hydrophytic vegetate Layer (if observed):		vetland hydrolo	gy must								
Indicators Restrictive			vetland hydrolo	gy mast				н	ydric Soil Present?	Yes ⊠	No 🗆	
Indicators Restrictive Type:	Layer (if observed):		vetland hydrolo	gy must				Н	ydric Soil Present?	Yes ⊠	No 🗆	
³ Indicators Restrictive Type: Depth	Layer (if observed):		vetland hydrolo	gymust				Н	ydric Soil Present?	Yes ⊠	No 🗆	
Indicators Restrictive Type: Depth	Layer (if observed):		vetland hydrolo	gymust				н	ydric Soil Present?	Yes ⊠	No 🗆	
fIndicators Restrictive Type: Depth	Layer (if observed):		vetland hydrolo	gymusi				Н	ydric Soil Present?	Yes ⊠	No 🗆	
Indicators Restrictive Type: Depth	Layer (if observed):		vetland hydrolo	gymusi				н	ydric Soil Present?	Yes ⊠	No 🗆	
fIndicators Restrictive Type: Depth	Layer (if observed):		vetland hydrolo	gymusi				н	ydric Soil Present?	Yes ⊠	No 🗆	
Indicators Restrictive Type: Depth	Layer (if observed):		vetland hydrolo	gymusi				н	ydric Soil Present?	Yes ⊠	No 🗆	
Indicators Restrictive Type: Depth	Layer (if observed):		vetland hydrolo	gymusi				Н	lydric Soil Present?	Yes ⊠	No 🗆	
Indicators Restrictive Type: Depth	Layer (if observed):		vetland hydrolo	gymusi				н	lydric Soil Present?	Yes ⊠	No 🗆	
Indicators Restrictive Type: Depth	Layer (if observed):		vetland hydrolo	gymusi				Н	lydric Soil Present?	Yes ⊠	No 🗆	
Indicators Restrictive Type: Depth	Layer (if observed):		vetland hydrolo	gymusi				Н	lydric Soil Present?	Yes ⊠	No 🗆	
Indicators Restrictive Type: Depth	Layer (if observed):		vetland hydrolo	gymusi				н	lydric Soil Present?	Yes ⊠	No 🗆	
Indicators Restrictive Type: Depth	Layer (if observed):		vetland hydrolo	gymusi				Н	lydric Soil Present?	Yes ⊠	No 🗆	
Indicators Restrictive Type: Depth	Layer (if observed):		vetland hydrolo	gymusi				Н	lydric Soil Present?	Yes ⊠	No 🗆	
fIndicators Restrictive Type: Depth	Layer (if observed):		vetland hydrolo	gymusi				Н	lydric Soil Present?	Yes ⊠	No 🗆	
fIndicators Restrictive Type: Depth	Layer (if observed):		vetland hydrolo	gymusi				Н	lydric Soil Present?	Yes ⊠	No 🗆	
Indicators Restrictive Type:	Layer (if observed):		vetland hydrolo	gymusi				Н	lydric Soil Present?	Yes ⊠	No 🗆	
³ Indicators Restrictive Type: Depth	Layer (if observed):		vetland hydrolo	gymusi				Н	ydric Soil Present?	Yes ⊠	No 🗆	
³ Indicators Restrictive Type: Depth	Layer (if observed):		vetland hydrolo	gymusi				Н	ydric Soil Present?	Yes ⊠	No 🗆	
³ Indicators Restrictive Type: Depth	Layer (if observed):		vetland hydrolo	gymust				Н	lydric Soil Present?	Yes ⊠	No 🗆	
Indicators Restrictive Type: Depth	Layer (if observed):		vetland hydrolo	gymusi				Н	lydric Soil Present?	Yes ⊠	No 🗆	
³ Indicators Restrictive Type: Depth	Layer (if observed):		vetland hydrolo	gymusi				Н	lydric Soil Present?	Yes ⊠	No 🗆	

WETLAND DETERMINATION D	OATA FORM – Northc	entral and Northeast I	Region
Project/Site: <u>Hickory Hill Farms, Inc.</u> City/Co Applicant/Owner:	unty: <u>Village of Sussex/Wauke</u>	<u>sha County</u> State: <u>WI</u>	Sampling Date: <u>5-7-2019</u> Sampling Point: <u>11</u>
Investigator(s): Chris Jors, Jen Dietl, and Shane Heyel: SEWRPC Landform (hillslope, terrace, etc.): toeslope Subregion (LRR or MLRA): LRR K Soil Map Unit Name: Lamartine silt loam (LmB)	Section, Township, Range Local relief (concave, con Lat: Long: _	Datum:	I-R19E Slope (%): 0-3% sification: None
Are climatic/hydrologic conditions on the site typical for this time of years Vegetation, Soil, or Hydrology significantly dist Are Vegetation, Soil, or Hydrology naturally problem	urbed? Are "Normal Circu	(If no, explain in Remarks) mstances" present? Yes ⊠ n any answers in Remarks.)	No □
SUMMARY OF FINDINGS – Attach site map showing	g sampling point locati	ons, transects, importar	nt features, etc.
Hydrophytic Vegetation Present? Hydric Soils Present? WYes No Wetland Hydrology Present? Yes No	Is the Sampled Are within a Wetland?	⊠ Yes	□No
Remarks: (Explain alternative procedures here or in a separate rep	If yes, optional Wetla		
HYDROLOGY Wetland Hydrology Indicators:		Soondan/Indian	tors (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply	1		-
	_	☐ Surface Soil	, ,
	er-Stained Leaves (B9) atic Fauna (B13)	Drainage Pa ☐ Moss Trim L	
	Deposits (B15)		Water Table (C2)
Water marks (B1) Hydr	ogen Sulfide Odor (C1)	Crayfish Bur	
	ized Rhizospheres on Living Ro		isible on Aerial Imagery (C9)
☐ Drift Deposits (B3) ☐ Pres	ence of Reduced Iron (C4)		tressed Plants (D1)
Algal Mat or Crust (B4)	ent Iron Reduction in Tilled Soils		Position (D2)
	Muck Surface (C7)	☐ Shallow Aqu	` ,
	r (Explain in Remarks)		aphic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	,		l Test (D5)
Field Observations:			
Surface Water Present? Yes No Depth (inches)	:		
Water Table Present? Yes ⊠ No □ Depth (inches)	: <u>6</u>		
Saturation Present? Yes ⊠ No ☐ Depth (inches)	0 (at surface)	Wetland Hydrology Present?	Yes⊠ No □
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos (Exhibit 3), and Aerial Photos (Exhibit 4).	otos, previous inspections), if av	vailable: Topo Map (Exhibit 1), \	WWI Map (Exhibit 2), Soils Map
Remarks:			

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1	70 COVE		<u>Otatus</u>	Number of Dominant Species
2				That are OBL, FACW, or FAC: 1 (A)
3				Total Number of Dominant
4				Species Across All Strata: <u>1</u> (B)
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)
6				
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
	<u>0</u>	= Total Cove	er	☐ Rapid Test for Hydrophytic Vegetation ☐ Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)				☐ Prevalence Index is ≤3.0¹
1. Agrostis gigantea	<u>90</u>	\boxtimes	FACW	☐ Morphological Adaptations¹ (Provide supporting
2. <u>Poa pratensis</u>	<u></u> <u>5</u>		FACU	data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain)
3. Taraxacum officinale	<u>-</u> <u>5</u>		FACU	☐ Problematic hydrophytic vegetation (Explain)
	_			¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5				Definitions of Vegetation Strata:
6				Definitions of Vegetation Strata.
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>100</u>	= Total Cove	er	
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in height
1				
2.				
3.				Lindrophytic
4.				Hydrophytic Vegetation
T	<u>0</u>	= Total Cove	<u>——</u>	Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet.				
The manual (manual prior manual manual manual areas	., ,, p (.	oou,oua.		

8-17 10YR 3/1 95 7.5YR 3/4 5 C PL M Clay loam 17-27 5Y 5/2 85 10YR 5/6 15 C PL M Clay loam	Profile De	scription: (Describe t	o the de	oth needed to docur	ment the ind	icator or cor	nfirm the a	bsence of indicators.)	
(inches) Color (moist)	Depth	Matrix			Redox Feat	tures			
8-17 10YR 3/1 95 7.5YR 3/4 5 C PL M Clay loam 17-27 5Y 5/2 85 10YR 5/6 15 C PL M Clay loam		Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains	0-8	10YR 3/1	95	7.5YR 3/4	5	С	PL M	Silty clay loam	
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains -Location: PL=Pore Lining, M=Matrix Hydric Soil Indicators: Indicators for Problematic Hydric Soils*:	8-17	10YR 3/1	95	7.5YR 3/4	5	С	PL M	Clay loam	
Hydric Soil Indicators: Histosol (A1)	17-27	5Y 5/2	85	10YR 5/6	15	С	PL M	Clay loam	
Hydric Soil Indicators: Histosol (A1)		-		-				·	
Hydric Soil Indicators: Histosol (A1)				-					
Hydric Soil Indicators: Histosol (A1)				-			-		
Hydric Soil Indicators: Histosol (A1)		<u> </u>	-						
Hydric Soil Indicators: Histosol (A1)			-	-					
Hydric Soil Indicators: Histosol (A1)		·	-	-				·	
Hydric Soil Indicators: Histosol (A1)		·		-				. .	
Hydric Soil Indicators: Histosol (A1)		· ·		-				·	
Hydric Soil Indicators: Histosol (A1)			-	-					
Hydric Soil Indicators: Histosol (A1)			-					<u> </u>	
Hydric Soil Indicators: Histosol (A1)	¹Type: C=	Concentration, D=Dep	letion, RN		1S= Masked S	Sand Grains		² Location: PL=Pore L	ining, M=Matrix
Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LLR K, L, R) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LLR K, L, R) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR K, L) Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Loamy Gleyed Matrix (F2) Polyvalue Below Surface (S8) (LRR K, L) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thin Dark Surface (S9) (LRR K, L) Thick Dark Surface (A12) Redox Dark Surface (F6) Iron-Manganese Masses (F12) (LRR K, L, R) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Piedmont Floodplain Soils (F19) (MLRA 144A, 145, 149E) Sandy Redox (S5) Redox Depressions (F8) Mesic Spodic (TA6) (MLRA 144A, 145, 149E) Sandy Redox (S5) Red Parent Material (F21) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Black Histic (B) Other (Explain in Remarks) Black Histic (B) Other (Explain in Remarks) Black Histic (B) Other (Explain in Remarks)			•						
□ Black Histic (A3) □ Thin Dark Surface (S9) (LRR R, MLRA 149B) □ 5 cm Mucky Peat or Peat (S3) (LLR K, L, R) □ Hydrogen Sulfide (A4) □ Loamy Mucky Mineral (F1) (LRR K, L) □ Dark Surface (S7) (LRR K, L) □ Stratified Layers (A5) □ Loamy Gleyed Matrix (F2) □ Polyvalue Below Surface (S8) (LRR K, L) □ Depleted Below Dark Surface (A11) □ Depleted Matrix (F3) □ Thin Dark Surface (S9) (LRR K, L) □ Thick Dark Surface (A12) ☑ Redox Dark Surface (F6) □ Iron-Manganese Masses (F12) (LRR K, L, R) □ Sandy Mucky Mineral (S1) □ Depleted Dark Surface (F7) □ Piedmont Floodplain Soils (F19) (MLRA 149B) □ Sandy Redox (S5) □ Mesic Spodic (TA6) (MLRA 144A, 145, 149B) □ Stripped Matrix (S6) □ Very Shallow Dark Surface (TF12) □ Dark Surface (S7) (LRR R, MLRA 149B) □ Other (Explain in Remarks) **Indicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.** **Restrictive Layer (if observed): Type: □ Depth (inches): **Hydric Soil Present? Yes ☑ No ☐ **Depth (inches):				☐ Po			8) (LRR R		
Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR K, L) Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Loamy Gleyed Matrix (F2) Polyvalue Below Surface (S8) (LRR K, L) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thin Dark Surface (S9) (LRR K, L) Thick Dark Surface (A12) Redox Dark Surface (F6) Iron-Manganese Masses (F12) (LRR K, L, R) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Piedmont Floodplain Soils (F19) (MLRA 149I) Sandy Gleyed Matrix (S4) Redox Depressions (F8) Mesic Spodic (TA6) (MLRA 144A, 145, 149E) Stripped Matrix (S6) Red Parent Material (F21) Very Shallow Dark Surface (TF12) Dark Surface (S7) (LRR R, MLRA 149B) Other (Explain in Remarks) **Indicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.** **Hydric Soil Present?** **Yes **D** No **D** **Indicators of Hydrophytic Soil Present?** **Yes **D** **No **D** **Indicators of Hydrophytic Soil Present?** **Yes **D** **No **D** **Indicators of Hydrophytic Soil Present?** **No **D** **Indicators of Hydrophytic Soil Present?** **Yes **D** **No **D** **Indicators of Hydrophytic Soil Present?** **No **D** **Indicators of Hydrophytic Soil Present?* **Indicators o						,			
□ Stratified Layers (A5) □ Loamy Gleyed Matrix (F2) □ Polyvalue Below Surface (S8) (LRR K, L) □ Depleted Below Dark Surface (A11) □ Depleted Matrix (F3) □ Thin Dark Surface (S9) (LRR K, L) □ Thick Dark Surface (A12) ⋈ Redox Dark Surface (F6) □ Iron-Manganese Masses (F12) (LRR K, L, R □ Sandy Mucky Mineral (S1) □ Depleted Dark Surface (F7) □ Piedmont Floodplain Soils (F19) (MLRA 149 □ Sandy Gleyed Matrix (S4) □ Redox Depressions (F8) □ Mesic Spodic (TA6) (MLRA 144A, 145, 149E □ Sandy Redox (S5) □ Red Parent Material (F21) □ Stripped Matrix (S6) □ Very Shallow Dark Surface (TF12) □ Dark Surface (S7) (LRR R, MLRA 149B) □ Other (Explain in Remarks) **Blandicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. **Restrictive Layer (if observed): Hydric Soil Present? Yes ☑ No □ Type: Depth (inches): **Hydric Soil Present? Yes ☑ No □									
Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thin Dark Surface (S9) (LRR K, L) Thick Dark Surface (A12) Redox Dark Surface (F6) Iron-Manganese Masses (F12) (LRR K, L, R) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Piedmont Floodplain Soils (F19) (MLRA 149) Sandy Gleyed Matrix (S4) Redox Depressions (F8) Mesic Spodic (TA6) (MLRA 144A, 145, 149E) Sandy Redox (S5) Red Parent Material (F21) Stripped Matrix (S6) Very Shallow Dark Surface (TF12) Dark Surface (S7) (LRR R, MLRA 149B) Sandy Redox (S5) Other (Explain in Remarks) Sindicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Type: Depth (inches):									, ,
Sandy Mucky Mineral (S1) □ Depleted Dark Surface (F7) □ Piedmont Floodplain Soils (F19) (MLRA 149) □ Sandy Gleyed Matrix (S4) □ Redox Depressions (F8) □ Mesic Spodic (TA6) (MLRA 144A, 145, 149E □ Sandy Redox (S5) □ Red Parent Material (F21) □ Very Shallow Dark Surface (TF12) □ Dark Surface (S7) (LRR R, MLRA 149B) □ Other (Explain in Remarks) □ Other (Explain in Remarks) □ Other (Explain in Remarks) □ Depth (inches): □ D				A11) 🔲 De	epleted Matrix	x (F3)		☐ Thin Dark Surfa	ace (S9) (LRR K, L)
Sandy Gleyed Matrix (S4)									
Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) □ Dark Surface (S7) (LRR R, MLRA 149B) □ Other (Explain in Remarks) □ Other (Explain in Remarks) □ Hydric Soil Present? Yes ☑ No □ Depth (inches):									
Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Glindicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Depth (inches):			(34)		suux Depress	Sioris (Fo)			
Indicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches):									
Restrictive Layer (if observed): Type:		Dark Surface (S7) (LR	R R, ML	RA 149B)				☐ Other (Explain	in Remarks)
Restrictive Layer (if observed): Type:	31	af I lealuan heat's consiste	4:			4			
Type: Hydric Soil Present? Yes 🖂 No 🗆 Depth (inches):				vetiand hydrology mu	ıst be presen	t, uniess disti	urbea or pr	oblematic.	
Depth (inches):			•					Hydric Soil Present?	Yes M No D
								Tryunc com r resent:	163 🖂 140 🗀
	Remarks:	,						L	
	ı								

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: 5-7-2019 Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 12 Applicant/Owner: __ State: WI Investigator(s): Chris Jors, Jen Dietl, and Shane Heyel: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): slight slope/swale Local relief (concave, convex, none): linear, concave Slope (%): 2-6% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Theresa silt loam (ThB2) NWI classification: E2K Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No □ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? ⊠No ☐Yes ⊠No within a Wetland? ☐ Yes □Yes ⊠No Hydric Soils Present? ⊠No Wetland Hydrology Present? □Yes If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) П П ☐ Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) Presence of Reduced Iron (C4) Drift Deposits (B3) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) \boxtimes **Geomorphic Position (D2)** Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) \Box Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) **Field Observations:** Surface Water Present? Yes No 🖂 Depth (inches): _ Water Table Present? Yes \boxtimes Depth (inches): _ No Saturation Present? Yes No 🖂 Depth (inches): Wetland Hydrology Present? Yes No 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4). Remarks: Only one secondary wetland hydrology indicator was observed.

T 0: (Division Color)	Absolute	Dominant	Indicator	Daminous a Tast wantabast
<u>Tree Stratum</u> (Plot size: <u>30' radius</u>)	% Cover	Species?	<u>Status</u>	Dominance Test worksheet:
1				Number of Dominant Species That are OBL, FACW, or FAC: <u>0</u> (A)
2				That are OBE, I AGW, OF I AG.
3				Total Number of Dominant
4				Species Across All Strata: <u>3</u> (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 0% (A/B)
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cov	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
				Hydrophytic Vegetation Indicators:
7				☐ Rapid Test for Hydrophytic Vegetation
	<u>0</u>	= Total Cov	er	Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)	25	∇	FACU	☐ Prevalence Index is ≤3.0¹☐ Morphological Adaptations¹ (Provide supporting
1. Trifolium repens	<u>25</u>		FACU	data in Remarks or on a separate sheet)
2. <u>Poa annua</u>	<u>20</u>		<u>FACU</u>	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3. <u>Taraxacum officinale</u>	<u>15</u>	\boxtimes	<u>FACU</u>	¹ Indicators of hydric soil and wetland hydrology must
4. Echinochloa crus-galli	<u>10</u>		<u>FAC</u>	Be present, unless disturbed or problematic.
5. Arctium minus	<u>8</u>		<u>FACU</u>	
6. Capsella bursa-pastoris	<u>5</u>		<u>FACU</u>	Definitions of Vegetation Strata:
7. <u>Dactylis glomerata</u>	<u>5</u>		<u>FACU</u>	Tree – Woody plants 3in. (7.6 cm) or more in diameter
8. <u>Cirsium vulgare</u>	<u>3</u>		<u>FACU</u>	at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10		П		and greater than 3.28 ft (1 m) tall.
11				
12				Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
·-·	<u>91</u>	= Total Cov	<u>——</u> ≏r	or size, and woody plante loss than 6.20 it tail.
Woody Vine Stratum (Plot size: 30' radius)		- 10tal 00V	O1	Woody vines – All woody vines greater than 3.28 ft in
,		П		height
1				
2				
3		Щ		Hydrophytic
4		Ш		Vegetation Present? Yes □ No ☒
	0	= Total Cov	er	199 🗀 110 🚨
Remarks: (include photo number here or on a separate sheet	.) Ola fiela.			

	scription. (Describe t	o the depth h	eeded to doo	ument the ind		firm the a	bsence o	of indicators.)		
Depth	Matrix			Redox Fea	tures		_			
inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		Texture	Re	emarks
12	10YR 3/2	100					Silt		·	
-17	10YR 3/2	100					Sandy	loam		
-22	5Y 4/2	100					Clay loa	am	with disintegra	ting dolomite
'DO: C-(Concentration, D=Dep	lation DM_Da	duood Motriy	MC_ Maskad 9	Sand Crains		21	ocation: PL=Pore	Lining M-Motri	
	il Indicators:	ielion, Kivi=Ke	duced Mairix,	IVIO= IVIASKEU V	Sanu Grains			dicators for Proble		
	Histosol (A1)			Polyvalue Belo	w Surface (S8	3) (LRR R,			10) (LRR K, L ,	
	Histic Epipedon (A2)			MLRA 149	,				Redox (A16) (L	
	Black Histic (A3)			Thin Dark Surf			149B)		Peat or Peat (S3	
	Hydrogen Sulfide (A4) Stratified Layers (A5)			Loamy Mucky Loamy Gleyed		LRR K, L)			(S7) (LRR K, L) low Surface (S8)	
	Depleted Below Dark	Surface (A11)		Depleted Matri					rface (S9) (LRR	
	Thick Dark Surface (A	12)		Redox Dark Su	ırface (F6)				ese Masses (F12	
	Sandy Mucky Mineral			Depleted Dark					odplain Soils (F	
	Sandy Gleyed Matrix (Sandy Redox (S5)	(S4)		Redox Depress	sions (F8)				(TA6) (MLRA 1	44A, 145, 149I
	Stripped Matrix (S6)								Dark Surface (T	F12)
	Dark Surface (S7) (LR	R R, MLRA 1	49B)					Other (Explain		,
. Pastana	- C. D. Joseph J. C. J.	Cara and made	e al les cales de servici		Contra d'at	ale e de e e e e				
idicators	of Hydrophytic vegeta		na hydrology i	nust be presen	t, unless distu	irbed or pro	oblematic) <u>.</u>		
	Laver (if observed)						н	dric Soil Present	? Yes □	No 🛛
strictive	e Layer (if observed): :						'''	dilo con i resent	. 100 🗆	110 🖂
strictive Type:	e Layer (if observed): : h (inches):									
strictive Type: Depth	: h (inches):		d.							
strictive Type: Depth	:		d.							
strictive Type: Depth	: h (inches):		d.							
strictive Type: Depth	: h (inches):		d.							
strictive Type: Depth	: h (inches):		d.							
strictive Type: Depth	: h (inches):		d.							
strictive Type: Depth	: h (inches):		d.							
strictive Type: Depth	: h (inches):		d.							
strictive Type: Depth	: h (inches):		d.							
strictive Type: Depth	: h (inches):		d.							
strictive Type: Depth	: h (inches):		d.							
strictive Type: Depth	: h (inches):		d.							
strictive Type: Depth	: h (inches):		d.							
estrictive Type: Depth	: h (inches):		d.							
estrictive Type: Depth	: h (inches):		d.							
estrictive Type: Depth	: h (inches):		d.							
estrictive Type: Depth	: h (inches):		d.							
estrictive Type: Depth	: h (inches):		d.							
estrictive Type: Depth	: h (inches):		d.							
estrictive Type: Depth	: h (inches):		d.							

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: 5-7-2019 Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 13 Applicant/Owner: __ State: WI Investigator(s): Chris Jors, Jen Dietl, and Shane Heyel: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): drainageway Local relief (concave, convex, none): linear, concave Slope (%): 2-6% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Theresa silt loam (ThB2) NWI classification: E2K Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No □ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? □No ⊠Yes □No within a Wetland? □No Hydric Soils Present? ⊠Yes □No Wetland Hydrology Present? ⊠Yes If yes, optional Wetland Site ID: PCA 2 Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) ☐ Surface Water (A1) ☐ Water-Stained Leaves (B9) \boxtimes **Drainage Patterns (B10)** High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) \boxtimes Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) П Water marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Sediment Deposits (B2) Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) П Recent Iron Reduction in Tilled Soils (C6) Algal Mat or Crust (B4) \boxtimes Geomorphic Position (D2) Shallow Aquitard (D3) Iron Deposits (B5) Thin Muck Surface (C7) Other (Explain in Remarks) Inundation Visible on Aerial Imagery (B7) Microtopographic Relief (D4) П Sparsely Vegetated Concave Surface (B8) **FAC-Neutral Test (D5)** Field Observations: Surface Water Present? Yes No 🛛 Depth (inches): Water Table Present? Yes 🛛 No 🗌 Depth (inches): 13.5 Saturation Present? Yes 🖂 No \square Depth (inches): 0 (surface) Wetland Hydrology Present? Yes 🖂 No \square (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4). Remarks: The sample site is in a small meandering drainageway that has formed within a larger linear concave (swale) landscape which receives barnyard runoff.

Tree Stratum (Plot size: 30' radius)	Absolute <u>% Cover</u>	Dominant Species?	Indicator Status	Dominance Test worksheet:
1	70 COVE		<u>Otatus</u>	Number of Dominant Species
2				That are OBL, FACW, or FAC: 2 (A)
3				Total Number of Dominant
4				Species Across All Strata: <u>3</u> (B)
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 67% (A/B)
6				
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
	<u>0</u>	= Total Cove	er	Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5' radius)	_			Dominance Test is >50% Prevalence Index is ≤3.0¹
1. Poa annua	<u>30</u>	\boxtimes	FACU	☐ Morphological Adaptations¹ (Provide supporting
2. Ranunculus sceleratus	<u>20</u>		OBL	data in Remarks or on a separate sheet)
	<u>15</u>		FACW	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3. Phalaris arundinacea				¹ Indicators of hydric soil and wetland hydrology must
4. Rumex crispus	<u>8</u>		FAC	Be present, unless disturbed or problematic.
5				Definitions of Variation Strate.
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>73</u>	= Total Cove	er	
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in
1				height
2.				
2				
3				Hydrophytic Vegetation
4		<u></u>		Present? Yes ⊠ No □
Demarka, (include whate number have areas a concrete sheet	0 \ Eroob (wo	= Total Cove	er	
Remarks: (include photo number here or on a separate sheet	.) Flesii (we	i) meadow.		

Profile De	scription: (Describe to	tne dep	n needed to	aocun			itirm the a	psence of ir	aicators.)	
Depth	Matrix				Redox Feat			_		
(inches)	Color (moist)	%	Color (mo	oist)	%	Type ¹	Loc ²		exture	Remarks
0-6	10YR 3/1	100						Silt loam		silty barnyard runoff
6-10	5Y 4/2	92	7.5YR 4/6		5	C	PL M	Silt loam		
			7.5YR 3/3		3	C	PL M			
10-14	10YR 5/2	70	10YR 5/8		30	C	PL M	Sandy loar	า	
14+										Refusal: Rocks/gravel
								-		
					_			-		
	Concentration, D=Depl	etion, RN	I=Reduced Ma	atrix, M	S= Masked S	and Grains				re Lining, M=Matrix
-	il Indicators: Histosol (A1)		1	□ Po	olyvalue Belov	v Surface (S	8) (I RR P			blematic Hydric Soils ³ : (A10) (LRR K, L, MLRA 149B)
	Histic Epipedon (A2)		L		MLRA 149		~, (=\\\\			ie Redox (A16) (LLR K, L, R)
	Black Histic (A3)		Γ		in Dark Surfa			149B) 🗌	5 cm Mucky	Peat or Peat (S3) (LLR K, L, R)
	Hydrogen Sulfide (A4)				amy Mucky N	, ,	LRR K, L)			ce (S7) (LRR K, L)
	Stratified Layers (A5) Depleted Below Dark	Surface	_		amy Gleyed I					Below Surface (S8) (LRR K, L) Surface (S9) (LRR K, L)
	Thick Dark Surface (A		· · · · · · · · · · · · · · · · · · ·		edox Dark Su					nese Masses (F12) (LRR K, L, R)
	Sandy Mucky Mineral ((S1)	Ī	☐ De	epleted Dark S	Surface (F7)			Piedmont F	loodplain Soils (F19) (MLRA 149B
	Sandy Gleyed Matrix (S4)	[Re	edox Depress	ions (F8)				dic (TA6) (MLRA 144A, 145, 149B)
	Sandy Redox (S5) Stripped Matrix (S6)									Material (F21) w Dark Surface (TF12)
	Dark Surface (S7) (LR	R R, ML	RA 149B)					H		ain in Remarks)
_	· / ·	,	,					_	` '	,
	of Hydrophytic vegetat		vetland hydrolo	ogy mu	st be present	, unless dist	urbed or pr	oblematic.		
	e Layer (if observed): e: Rocks/gravel							Lludei	c Soil Preser	nt? Yes⊠ No □
	:h (inches): <u>14</u>							пушт	C Soli Fresei	nt? Yes⊠ No □
Remarks:	(es): <u></u>									

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: 5-7-2019 Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 14 Applicant/Owner: ___ State: WI Investigator(s): Chris Jors, Jen Dietl, and Shane Heyel: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): berm (dredge spoils) Local relief (concave, convex, none): convex Slope (%): 0-3% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Lamartine silt loam (LmB) NWI classification: None Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? ⊠No ☐Yes ⊠No within a Wetland? ☐ Yes □Yes ⊠No Hydric Soils Present? ⊠No Wetland Hydrology Present? □Yes If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) П П ☐ Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) ☐ Presence of Reduced Iron (C4) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Algal Mat or Crust (B4) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) **Field Observations:** Surface Water Present? Yes No 🖂 Depth (inches): _ Water Table Present? Yes \boxtimes Depth (inches): _ No Saturation Present? Yes No 🖂 Depth (inches): __ Wetland Hydrology Present? Yes No 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4). Remarks: No wetland hydrology indicators observed.

Tree Stratum (Plot size: 30' radius)	Absolute	Dominant Species?	Indicator	Dominance Test worksheet:
1	% Cover	Species?	<u>Status</u>	
				Number of Dominant Species That are OBL, FACW, or FAC: 0 (A)
2				,
3				Total Number of Dominant Species Across All Strata: 1 (B)
4				
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 0% (A/B)
6				
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
·· <u> </u>	<u>0</u>	= Total Cove		Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5' radius)	<u> </u>	= 10tal Cove	5 1	□ Dominance Test is >50% □ Prevalence Index is ≤3.0¹
	<u>70</u>	\boxtimes	<u>UPL</u>	☐ Morphological Adaptations¹ (Provide supporting
1. Bromus inermis	<u>10</u>			data in Remarks or on a separate sheet)
2. Phalaris arundinacea	<u>10</u>		<u>FACW</u>	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3				¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5				
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				
12				Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
· · · · · · · · · · · · · · · · · · ·	80	= Total Cove	er	of oze, and weday plante less than oze it tall.
Woody Vine Stratum (Plot size: 30' radius)		_ 10tai 0010		Woody vines – All woody vines greater than 3.28 ft in
				height
1		_		
2		Ц		
3		Ц		Hydrophytic
4				Vegetation Present? Yes □ No ⊠
	0	= Total Cove	er	
Remarks: (include photo number here or on a separate sheet.) Ola fiela.			

ches) Color (moist) % Color (moist) % Type ¹ Loc ² Texture Remarks	rofile Des	scription: (Describe to	the depth	needed to doo	ument the ind	licator or cor	nfirm the al	bsence	e of indicators.)			
10YR 3/1 90 Silty clay loam dredge spoils	Depth	Matrix			Redox Fea	tures		_				
pe: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains Cacation: PL=Pore Lining, M=Matrix	inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		Texture	R	emarks	
pe: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains Cacation: PL=Pore Lining, M=Matrix	21	10YR 3/1	90					Silty	clay loam	dredge spoils		
Indicators:		10YR 5/4	10							-		
Indicators:												
Indicators:												
Indicators:												
Indicators:		· ·										
Indicators:												
Indicators:												
Indicators:												
Indicators:												
Indicators:										-		
Indicators:								-				
Indicators:												
Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histos Epipedon (A2) 2 cm Muck (A10) (LRR K, L, MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LLR K, L, R) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR K, L) Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Loamy Gleyed Matrix (F2) Polyvalue Below Surface (S8) (LRR K, L) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thin Dark Surface (S9) (LRR K, L) Thick Dark Surface (A12) Redox Dark Surface (F6) Iron-Manganese Masses (F12) (LRR K, L, I) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Piedmont Floodplain Soils (F19) (MLRA 144A, 145, 149) Sandy Redox (S5) Red Parent Material (F21) Very Shallow Dark Surface (TF12) Stripped Matrix (S6) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Idicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Hydric Soil Present? Yes No ⊠ Strictive Layer (if observed): Type: Hydric Soil Present? Yes No ⊠	pe: C=0	Concentration, D=Depl	etion, RM=R	Reduced Matrix,	MS= Masked	Sand Grains						
Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LLR K, L, R) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LLR K, L, R) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR K, L) Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Loamy Gleyed Matrix (F2) Polyvalue Below Surface (S8) (LRR K, L) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thin Dark Surface (S9) (LRR K, L) Thick Dark Surface (A12) Redox Dark Surface (F6) Iron-Manganese Masses (F12) (LRR K, L, I) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Piedmont Floodplain Soils (F19) (MLRA 144A, 145, 149) Sandy Redox (S5) Red Parent Material (F21) Wery Shallow Dark Surface (TF12) Stripped Matrix (S6) Very Shallow Dark Surface (TF12) Very Shallow Dark Surface (TF12) Dark Surface (S7) (LRR R, MLRA 149B) Other (Explain in Remarks) Idicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Hydric Soil Present? Yes No Strictive Layer (if observed): Type: Hydric Soil Present? Yes No												
Black Histic (A3) ☐ Thin Dark Surface (S9) (LRR R, MLRA 149B) ☐ 5 cm Mucky Peat or Peat (S3) (LLR K, L, R) ☐ Hydrogen Sulfide (A4) ☐ Loamy Mucky Mineral (F1) (LRR K, L) ☐ Dark Surface (S7) (LRR K, L) ☐ Stratified Layers (A5) ☐ Loamy Gleyed Matrix (F2) ☐ Polyvalue Below Surface (S8) (LRR K, L) ☐ Depleted Below Dark Surface (A11) ☐ Depleted Matrix (F3) ☐ Thin Dark Surface (S9) (LRR K, L) ☐ Thick Dark Surface (A12) ☐ Redox Dark Surface (F6) ☐ Iron-Manganese Masses (F12) (LRR K, L, I) ☐ Sandy Mucky Mineral (S1) ☐ Depleted Dark Surface (F7) ☐ Piedmont Floodplain Soils (F19) (MLRA 144A, 145, 149) ☐ Sandy Redox (S5) ☐ Redox Depressions (F8) ☐ Mesic Spodic (TA6) (MLRA 144A, 145, 149) ☐ Sandy Redox (S5) ☐ Red Parent Material (F21) ☐ Dark Surface (S7) (LRR R, MLRA 149B) ☐ Other (Explain in Remarks) Idicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Strictive Layer (if observed): Type:				Ц			8) (LRR R,					
Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR K, L) Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Loamy Gleyed Matrix (F2) Polyvalue Below Surface (S8) (LRR K, L) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thin Dark Surface (S9) (LRR K, L) Thick Dark Surface (A12) Redox Dark Surface (F6) Iron-Manganese Masses (F12) (LRR K, L, I) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Piedmont Floodplain Soils (F19) (MLRA 144 Sandy Gleyed Matrix (S4) Redox Depressions (F8) Mesic Spodic (TA6) (MLRA 144A, 145, 149 Sandy Redox (S5) Red Parent Material (F21) Stripped Matrix (S6) Very Shallow Dark Surface (TF12) Dark Surface (S7) (LRR R, MLRA 149B) Other (Explain in Remarks) Hydric Soil Present? Yes No ⊠ Popth (inches):						,	R R MIRA	149R)				
□ Stratified Layers (A5) □ Loamy Gleyed Matrix (F2) □ Polyvalue Below Surface (S8) (LRR K, L) □ Depleted Below Dark Surface (A11) □ Depleted Matrix (F3) □ Thin Dark Surface (S9) (LRR K, L) □ Thick Dark Surface (A12) □ Redox Dark Surface (F6) □ Iron-Manganese Masses (F12) (LRR K, L, I) □ Sandy Mucky Mineral (S1) □ Depleted Dark Surface (F7) □ Piedmont Floodplain Soils (F19) (MLRA 144 □ Sandy Gleyed Matrix (S4) □ Redox Depressions (F8) □ Mesic Spodic (TA6) (MLRA 144A, 145, 149 □ Sandy Redox (S5) □ Red Parent Material (F21) □ Very Shallow Dark Surface (TF12) □ Dark Surface (S7) (LRR R, MLRA 149B) □ Other (Explain in Remarks) Idicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Strictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes □ No ☑								1430)				., =, .,
☐ Thick Dark Surface (A12) ☐ Redox Dark Surface (F6) ☐ Iron-Manganese Masses (F12) (LRR K, L, I Piedmont Floodplain Soils (F19) (MLRA 144					Loamy Gleyed	Matrix (F2)	•					K , L)
□ Sandy Mucky Mineral (S1) □ Depleted Dark Surface (F7) □ Piedmont Floodplain Soils (F19) (MLRA 144 145, 149												
Sandy Gleyed Matrix (S4) Redox Depressions (F8) Mesic Spodic (TA6) (MLRA 144A, 145, 149 Sandy Redox (S5) Red Parent Material (F21) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Contact Strictive Layer (if observed): Type: Depth (inches):												
□ Sandy Redox (S5) □ Red Parent Material (F21) □ Stripped Matrix (S6) □ Very Shallow Dark Surface (TF12) □ Dark Surface (S7) (LRR R, MLRA 149B) □ Other (Explain in Remarks) Idicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Strictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes □ No ☑												
□ Dark Surface (S7) (LRR R, MLRA 149B) □ Other (Explain in Remarks) dicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. strictive Layer (if observed): Type: Depth (inches):			,	_							, , .	,
dicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Strictive Layer (if observed): Type: Depth (inches):											TF12)	
strictive Layer (if observed): Type: Hydric Soil Present? Yes	Ш	Dark Surface (S7) (LR	R R, MLRA	149B)					☐ Other (Explain	n in Remarks)		
strictive Layer (if observed): Type: Hydric Soil Present? Yes	dicators	of Hydrophytic vegetat	ion and wetl	and hydrology	must be presen	nt. unless dist	urbed or pro	blema	tic.			
Depth (inches):						.,						
	Type	: <u></u>						Į.	Hydric Soil Present?	Yes 🗌	No	
narks: No hydric soil indicators observed.												
	marks: N	No hydric soil indicat	ors observ	ed.								

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: 5-7-2019 Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 15 Applicant/Owner: __ State: WI Investigator(s): Chris Jors, Jen Dietl, and Shane Heyel: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): hillslope Local relief (concave, convex, none): linear Slope (%): 0-3% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Lamartine silt loam (LmB) NWI classification: None Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? ⊠Yes ПNо within a Wetland? ☐ Yes ⊠No ⊠No Hydric Soils Present? □Yes ⊠No Wetland Hydrology Present? □Yes If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) П П ☐ Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Drift Deposits (B3) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) \boxtimes **FAC-Neutral Test (D5) Field Observations:** Surface Water Present? Yes No 🖂 Depth (inches): _ Water Table Present? Yes \boxtimes Depth (inches): _ No Saturation Present? Yes No 🖂 Depth (inches): Wetland Hydrology Present? Yes No 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4). Remarks: Only one secondary wetland hydrology indicator was observed.

<u>Tree Stratum</u> (Plot size: <u>30' radius</u>)	Absolute	Dominant Species 2	Indicator	Dominance Test worksheet:
1	% Cover	Species? ☐	<u>Status</u>	
				Number of Dominant Species That are OBL, FACW, or FAC: 1 (A)
2				
3		_		Total Number of Dominant Species Across All Strata: 1 (B)
4				
5		Ш		Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)
6				
7		Ц		Prevalence Index worksheet:
	<u>0</u>	= Total Cov	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
	<u>0</u>	= Total Cov	er	☐ Rapid Test for Hydrophytic Vegetation ☐ Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)				☐ Prevalence Index is ≤3.0¹
1. Phalaris arundinacea	<u>65</u>	\boxtimes	FACW	☐ Morphological Adaptations¹ (Provide supporting
2	_		<u> </u>	data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain)
3				Problematic Hydrophytic Vegetation (Explain)
		_		¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5				Definitions of Vegetation Strata:
6				Definitions of Vegetation offata.
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub - Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>65</u>	= Total Cov	er	W 1 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in height
1				
2.				
3.		П		Hydrophytic
4.				Vegetation
	<u>0</u>	= Total Cov	er	Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet.		_ rotar 001	<u> </u>	1
` .	,			

Depth			tii iiccaca t				mini uie a	DOCINCE (of indicators.)		
	Matrix				Redox Feat			_			
nches)	Color (moist)	%	Color (n	noist)	%	Type ¹	Loc ²		Texture		emarks
2	10YR 3/1	100						Silt loar	n	dredge spoil	
18	10YR 3/1	95	10YR 4/6		5	С	PL M	Silty cla	y loam	dredge spoil	
25	10YR 5/2	50	10YR 5/6		25	С	PL M	Clay loa	am	- · -	
	10YR 3/2	25	-				-	-			
					_						
					_						
					_						
					_						
	Concentration, D=Dep	oletion, RM	I=Reduced M	/latrix, M	IS= Masked S	Sand Grains			ocation: PL=Pore		
	il Indicators: Histosol (A1)			ПР	olyvalue Belov	w Surface /S	R) (I PP P		dicators for Probl	ematic Hydric S	
	Histic Epipedon (A2)				MLRA 149		o) (LIXIX IX,			Redox (A16) (L l	
	Black Histic (A3)			☐ Th	nin Dark Surfa	ace (S9) (LRI	R, MLRA	149B)		Peat or Peat (S3)	
	Hydrogen Sulfide (A4))			amy Mucky N		LRR K, L)			(S7) (LRR K, L)	
	Stratified Layers (A5)	Cfa == (/	\.d.d.\		amy Gleyed					low Surface (S8)	
	Depleted Below Dark Thick Dark Surface (A		ATT)		epleted Matrix edox Dark Su					rface (S9) (LRR ese Masses (F12	
	Sandy Mucky Mineral				epleted Dark					odplain Soils (F1	
	Sandy Gleyed Matrix				edox Depress				☐ Mesic Spodio	(TA6) (MLRA 1	
	Sandy Redox (S5)								Red Parent N		·= 4.0\
	Stripped Matrix (S6) Dark Surface (S7) (LF	RR MIE	2Δ 149R)							Dark Surface (T n in Remarks)	F12)
	2 a 2 a a. 5 (2.) (2.	,									
licators	of Hydrophytic vegeta		vetland hydro	ology mu	ıst be present	t, unless dist	urbed or pro	oblematic			
):								_	_
	e Layer (if observed)	,-						Hy	dric Soil Present	? Yes □	No 🛚
Туре	e:	,-									
Type Dept	e: th (inches):										
Type Dept	e:		erved.								
Type Dept	e: th (inches):		erved.								
Type Dept	e: th (inches):		erved.								
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Type Dept	e: th (inches):		erved.								

WETLAND DETERMINATION D	ATA FORM – Northo	entral and Northeast	Region
Project/Site: Hickory Hill Farms, Inc. Applicant/Owner:	unty: Village of Sussex/Wauke	<u>esha County</u> State: <u>WI</u>	Sampling Date: 5-7-2019 Sampling Point: 16
Investigator(s): <u>Chris Jors, Jen Dietl, and Shane Heyel: SEWRPC</u> Landform (hillslope, terrace, etc.): <u>drainageway (trib. to Spring Creek</u>	(concave, cor	e: <u>SW Quarter, Section 21, T8</u> nvex, none): <u>linear, concave</u>	N-R19E Slope (%): <u>0-3%</u>
Subregion (LRR or MLRA): <u>LRR K</u> Soil Map Unit Name: <u>Lamartine silt loam (LmB)</u>	Lat: Long: _	NWI clas	ssification: <u>E2K</u>
Are climatic/hydrologic conditions on the site typical for this time of ye Are Vegetation, Soil, or Hydrology significantly distr		(If no, explain in Remarks) umstances" present? Yes ⊠	No □
Are Vegetation, Soil, or Hydrology naturally probler	matic? (If, needed, expla	in any answers in Remarks.)	
SUMMARY OF FINDINGS – Attach site map showing	g sampling point locati	ons, transects, importa	nt features, etc.
Hydrophytic Vegetation Present?	Is the Sampled Are within a Wetland?	⊠ Yes	□No
Remarks: (Explain alternative procedures here or in a separate rep	ort) 90-day antecedent pre		
HYDROLOGY Wetland Hydrology Indicators:		Secondary Indica	ators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)		Cracks (B6)
Surface Water (A1) □ Water □	r-Stained Leaves (B9)		atterns (B10)
	tic Fauna (B13)	Moss Trim L	Lines (B16)
Saturation (A3)	Deposits (B15)		Water Table (C2)
	ogen Sulfide Odor (C1)	Crayfish Bu	
Sediment Deposits (B2) Oxidi	zed Rhizospheres on Living R		/isible on Aerial Imagery (C9)
Drift Deposits (B3) Press	ence of Reduced Iron (C4)		Stressed Plants (D1) c Position (D2)
☐ Algal Mat or Crust (B4) ☐ Rece ☐ Iron Deposits (B5) ☐ Thin	ent Iron Reduction in Tilled Soil Muck Surface (C7)	Shallow Aqu	` '
	r (Explain in Remarks)		aphic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	,		. ,
Field Observations:			
Surface Water Present? Yes No Depth (inches):	_		
Water Table Present? Yes No Depth (inches):			
Saturation Present? Yes ☐ No ☐ Depth (inches): (includes capillary fringe)		Wetland Hydrology Present	? Yes⊠ No □
Describe Recorded Data (stream gauge, monitoring well, aerial pho (Exhibit 3), and Aerial Photos (Exhibit 4).	tos, previous inspections), if a	vailable: Topo Map (Exhibit 1),	WWI Map (Exhibit 2), Soils Map
Remarks: Sample site is on the bed of the unnamed tributary	to Spring Creek. However	this small branch is not par	t of the FEMA-mapped
floodway/floodplain.			

<u>Tree Stratum</u> (Plot size: <u>30' radius</u>)	Absolute	Dominant	Indicator	Dominance Test worksheet:
1	% Cover	Species? ☐	<u>Status</u>	
				Number of Dominant Species That are OBL, FACW, or FAC: 1 (A)
2				
3				Total Number of Dominant Species Across All Strata: 1 (B)
4				
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)
6				
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cov	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
·· 	<u>0</u>	= Total Cov		Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5' radius)	<u> </u>	= 10tal 00V	GI	Dominance Test is >50% Prevalence Index is ≤3.0¹
1. Phalaris arundinacea	<u>60</u>	\boxtimes	FACW	☐ Morphological Adaptations¹ (Provide supporting
			171011	data in Remarks or on a separate sheet)
2				☐ Problematic Hydrophytic Vegetation¹ (Explain)
3				¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5				Definitions of Manufatton Otroto
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10			-	and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>60</u>	= Total Cov	er	
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in
1				height
2			<u> </u>	
3.				
3				Hydrophytic Vegetation
4				Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet	<u>0</u> \ Degraded	= Total Cov		on the edge of a drainageway
Remarks. (include prioto number nere of on a separate sneet	.) Degraded	i iiesii (wei) ii	leadow aloi	ig the edge of a drainageway.

Profile Des	scription: (Describe to	the denth	needed to door	ment the ind	icator or con	firm the absen	ce of indicators)	Sampling Point: 16
	Matrix	ano dopuiri	.55454 10 4060	Redox Feat		abser	ioo oi maleatoro.j	
Depth (inches)	-	0/	Color (moint)			Loc ²	Toytura	Domorko
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	LOC	Texture	Remarks
					-			
¹ Type: C=C	Concentration, D=Deple	etion, RM=Re	educed Matrix, N	MS= Masked S	Sand Grains		² Location: PL=Pore I	
-	Indicators:						Indicators for Proble	
	Histosol (A1)		☐ F	olyvalue Belo		8) (LRR R,		10) (LRR K, L, MLRA 149B)
	Histic Epipedon (A2)			MLRA 149	,			Redox (A16) (LLR K, L, R)
	Black Histic (A3)					R R, MLRA 149		eat or Peat (S3) (LLR K, L, R)
	Hydrogen Sulfide (A4) Stratified Layers (A5)			oamy Mucky I oamy Gleyed		LRR K, L)		(S7) (LRR K, L) ow Surface (S8) (LRR K, L)
	Depleted Below Dark S	urface (A11)		epleted Matrix				face (S9) (LRR K, L)
	Thick Dark Surface (A1			Redox Dark Su				se Masses (F12) (LRR K, L, R)
	Sandy Mucky Mineral (epleted Dark			_	odplain Soils (F19) (MLRA 149B)
	Sandy Gleyed Matrix (S			edox Depress				(TA6) (MLRA 144A, 145, 149B)
	Sandy Redox (S5)						☐ Red Parent Ma	
	Stripped Matrix (S6)							Dark Surface (TF12)
	Dark Surface (S7) (LRF	RR, MLRA 1	49B)					n in Remarks)
3Indiantara	of Hydrophytic vocatati	on and watle	and budralagu m	uet he present	t unlana diati	irbad ar problan	notio	
	of Hydrophytic vegetatic Layer (if observed):	on and wella	ina nyarology m	ust be presen	t, uriless dist	insed of probler	nauc.	
Type:							Hydric Soil Present?	Yes⊠ No □
	(inches):						nyunc son Fresent:	ies 🖂 No 🗀
		R inches of	water hydric l	ov definition :	- Criteria 3	Strong odor a		barnyard runoff/manure
	this tributary drainag		water, riyario i	by dominion	Ontona o.	oliong odor d	na viouai oviaonioo oi	barryara ranon/manaro
Impaoting	and tributary dramag	oway.						
Ì								

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: 5-7-2019 Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 17 Applicant/Owner: ___ State: WI Investigator(s): Chris Jors, Jen Dietl, and Shane Heyel: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): berm (dredge spoils) Local relief (concave, convex, none): convex Slope (%): 0-2% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Pella silt loam (Ph) NWI classification: None Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? ⊠No ☐Yes within a Wetland? ☐ Yes ⊠No ⊠Yes □No Hydric Soils Present? ⊠No Wetland Hydrology Present? □Yes If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) П П ☐ Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) ☐ Presence of Reduced Iron (C4) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Algal Mat or Crust (B4) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) **Field Observations:** Surface Water Present? Yes No 🖂 Depth (inches): _ Water Table Present? Yes \boxtimes Depth (inches): _ No Saturation Present? Yes No 🖂 Depth (inches): __ Wetland Hydrology Present? Yes No 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4). Remarks: No wetland hydrology indicators observed.

Trace Otractions (Photosine COL marking)	Absolute	Dominant	Indicator	Deminence Test werksheet
<u>Tree Stratum</u> (Plot size: <u>30' radius</u>)	% Cover	Species?	<u>Status</u>	Dominance Test worksheet:
1			·	Number of Dominant Species That are OBL, FACW, or FAC: 1 (A)
2	-			That are OBL, FACW, or FAC: 1 (A)
3				Total Number of Dominant
4				Species Across All Strata: <u>2</u> (B)
5		\Box		Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 50% (A/B)
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
				<u> </u>
4				UPL species x 5 =
5			· 	Column Totals: (A) (B)
6				Prevalence Index = B/A = Hydrophytic Vegetation Indicators:
7				Rapid Test for Hydrophytic Vegetation
	<u>0</u>	= Total Cove	er	☐ Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)				☐ Prevalence Index is ≤3.0¹
1. Phalaris arundinacea	<u>60</u>	\boxtimes	FACW	☐ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
2. <u>Bromus inermis</u>	<u>25</u>	\boxtimes	<u>UPL</u>	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3. Asclepias syriaca	<u>10</u>		<u>UPL</u>	
	<u>5</u>		FAC	Indicators of hydric soil and wetland hydrology must Page property upless disturbed or problematic.
4. <u>Vitis riparia</u>	_			Be present, unless disturbed or problematic.
5				Definitions of Vegetation Strata:
6				John Marie Co. Co. Gold Marie Co. Go
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				
12				Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
	100	= Total Cove		or oles, and woody planto loss than oles it tail.
Mondy Vine Stratum (Plat aire, 20) radius)		= 10tal 00V	71	Woody vines - All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30' radius)				height
1		Ц		
2		Щ	·	
3		Ш	-	Hydrophytic
4				Vegetation No. 7
	<u>0</u>	= Total Cove	er	Present? Yes ☐ No ☒
Remarks: (include photo number here or on a separate sheet	.) Old field.			

Loc² PL M	
PL M	<u></u>
	Texture Remarks
	Silt loam dredge spoils
DI 14	Silty clay loam dredge spoils
PL M	Silty clay loam dredge spoils
-	
-	
i	² Location: PL=Pore Lining, M=Matrix Indicators for Problematic Hydric Soils ³ :
RR R, MLRA (LRR K, L)	Dark Surface (S7) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L, I) Piedmont Floodplain Soils (F19) (MLRA 14: Mesic Spodic (TA6) (MLRA 144A, 145, 149 Red Parent Material (F21) Very Shallow Dark Surface (TF12) Other (Explain in Remarks)
tarbea or pro	Todomaio.
	Hydric Soil Present? Yes ⊠ No □

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: 5-7-2019 Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 18 Applicant/Owner: ___ State: WI Investigator(s): Chris Jors, Jen Dietl, and Shane Heyel: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): small depression Local relief (concave, convex, none): concave Slope (%): 0-2% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Pella silt loam (Ph) NWI classification: None Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? □No ⊠Yes □No within a Wetland? □No Hydric Soils Present? ⊠Yes □No Wetland Hydrology Present? ⊠Yes If yes, optional Wetland Site ID: PCA 4 Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) П П Water marks (B1) ☐ Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Oxidized Rhizospheres on Living Roots (C3) Sediment Deposits (B2) Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) П Recent Iron Reduction in Tilled Soils (C6) Algal Mat or Crust (B4) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Other (Explain in Remarks) Inundation Visible on Aerial Imagery (B7) Microtopographic Relief (D4) П Sparsely Vegetated Concave Surface (B8) **FAC-Neutral Test (D5)** Field Observations: Surface Water Present? Yes 🛚 No 🗌 Depth (inches): 1 Water Table Present? No 🗌 Yes Depth (inches): Saturation Present? Yes No \square Depth (inches): Wetland Hydrology Present? Yes 🖂 No \square (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4). Remarks: While the sample site is in a slight depression, geomorphic position (D2) is not checked due to the presence of a drain tile system (see Exhibit 14).

<u>Tree Stratum</u> (Plot size: <u>30' radius</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1	76 COVEL		Status	Number of Dominant Species
2				That are OBL, FACW, or FAC: 1 (A)
3				Total Number of Dominant Species Across All Strata: 1 (B)
4				Species Across Air Strata.
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 100% (A/B)
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation
	<u>0</u>	= Total Cove	er	☐ Rapid Test for Hydrophylic Vegetation ☐ ☐ Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)				☐ Prevalence Index is ≤3.0¹
1. Phalaris arundinacea	<u>70</u>	\boxtimes	FACW	☐ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
2. <u>Vitis riparia</u>	<u>10</u>		FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
3				
				¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5				Definitions of Vegetation Strate.
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11.				
				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>80</u>	= Total Cove	er	Woody vines – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30' radius)		_		height
1				
2				
3				Hydrophytic
4				Vegetation
	<u>0</u>	= Total Cove	er	Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet.				f an atypical (farmed) wetland.
·	,	,	· ·	,

Profile De	scription: (Describe to	the dep	oth needed to doc	ument the indi	cator or cor	nfirm the a	bsence of indicators.)		
Depth	Matrix			Redox Feat	ures		_		
(inches)	Color (moist)	%	Color (moist)	<u></u> %	Type ¹	Loc ²	Texture	R	emarks
-10	10YR 2/1	100					Silt loam		
0-13	10YR 2/1	95	2.5Y 5/4	5	C	PL M	Silty clay loam		
3-19	10YR 4/1	90	10YR 4/6	10	C	PL M	Clay Ioam	· · <u></u>	
9+								Too wet to pu	ll up.
	<u></u>						·	· · -	
	<u></u>						·	· · -	
	0		4.5.1.1.1.1.1.1				21 (* 11 11		
	Concentration, D=Deplinering illindicators:	etion, RIV	I=Reduced Matrix,	MS= Masked S	and Grains		² Location: PL=Pore		
-	Histosol (A1)			Polyvalue Belov	w Surface (S	8) (LRR R ,		(10) (LRR K, L ,	
	Histic Epipedon (A2)			MLRA 149				Redox (A16) (L	
	Black Histic (A3)			Thin Dark Surfa				Peat or Peat (S3	
	Hydrogen Sulfide (A4) Stratified Layers (A5)			Loamy Mucky N Loamy Gleyed I	. ,	(LRR K, L)		(S7) (LRR K, L low Surface (S8	
	Depleted Below Dark S	Surface (A		Depleted Matrix				rface (S9) (LRR	
\boxtimes	Thick Dark Surface (A	112)		Redox Dark Su	rface (F6)		☐ Iron-Mangane	ese Masses (F1	2) (LRR K, L, R
	Sandy Mucky Mineral (Depleted Dark				odplain Soils (F	
	Sandy Gleyed Matrix (Sandy Redox (S5)	S4)		Redox Depress	ions (F8)		☐ Mesic Spodic	(TA6) (MLRA 1	144A, 145, 149E
	Stripped Matrix (S6)							Dark Surface (ΓF12)
	Dark Surface (S7) (LR	R R, MLF	RA 149B)					n in Remarks) `	,
21 12 4									
	of Hydrophytic vegetate Layer (if observed):		vetiand hydrology n	nust be present	, unless disti	urbea or pr	oblematic.		
	e:						Hydric Soil Present	? Yes ⊠	No 🗆
, ,	h (inches):						11,4110 00111 1000111		
Remarks:							<u>'</u>		

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: 5-7-2019 Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 19 Applicant/Owner: __ State: WI Investigator(s): Chris Jors, Jen Dietl, and Shane Heyel: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): slight hillslope Local relief (concave, convex, none): linear, convex Slope (%): 0-2% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Palms muck (Pa) NWI classification: None Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No □ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area ⊠Yes Hydrophytic Vegetation Present? ПNо ☐ Yes ⊠No within a Wetland? ⊠No Hydric Soils Present? ☐Yes ⊠No Wetland Hydrology Present? □Yes If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) П П ☐ Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) Presence of Reduced Iron (C4) Drift Deposits (B3) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) \boxtimes **FAC-Neutral Test (D5) Field Observations:** Surface Water Present? Yes No 🖂 Depth (inches): _ Water Table Present? Yes \boxtimes Depth (inches): _ No Saturation Present? Yes No 🖂 Depth (inches): Wetland Hydrology Present? Yes No 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4). Remarks: Drain tile work has been completed within the last 5 years in close proximity to the sample site (see Exhibit 14). Only one secondary wetland hydrology indicator observed.

<u>Tree Stratum</u> (Plot size: <u>30' radius</u>)	Absolute	Dominant Species?	Indicator	Dominance Test worksheet:
1	% Cover	Species?	<u>Status</u>	
				Number of Dominant Species That are OBL, FACW, or FAC: 2 (A)
2				
3				Total Number of Dominant Species Across All Strata: 2 (B)
4				
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)
6				
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A = Hydrophytic Vegetation Indicators:
7		<u>П</u>		Rapid Test for Hydrophytic Vegetation
	<u>0</u>	= Total Cove	er	
Herb Stratum (Plot size: 5' radius)		N-2	-10	☐ Prevalence Index is ≤3.0¹☐ Morphological Adaptations¹ (Provide supporting
1. Ambrosia trifida	<u>4</u>		FAC	data in Remarks or on a separate sheet)
2. Ranunculus sceleratus	<u>4</u>		<u>OBL</u>	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3				¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5	-			
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				
				Sapling/shrub – Woody plants less than 3in. DBH and greater than 3.28 ft (1 m) tall.
10				and greater than 3.20 ft (1 fil) tall.
11				Herb - All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>8</u>	= Total Cove	er	Woody vines – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30' radius)				height
1				
2				
3				Hydrophytic
4				Vegetation
	<u>0</u>	= Total Cove	er	Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet.	.) Agricultur			

rofile De	scription: (Describe to	o the depth	needed to docu	ment the ind	icator or con	firm the a	bsence	of indicators.)	
Depth	Matrix			Redox Feat	ures		_		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		Texture	Remarks
-17	10YR 2/1	100				-	Silt loa	am	
7-25	N 2.5/	100					Clay lo	oam	
								_	
	· 								
	· 								
	-							·	
	<u> </u>					-			
ype: C=	Concentration, D=Depl	etion, RM=F	Reduced Matrix, N	/IS= Masked S	Sand Grains			² Location: PL=Pore L	•
	il Indicators:							ndicators for Proble	-
	Histosol (A1)		☐ P	olyvalue Belov		B) (LRR R,			0) (LRR K, L, MLRA 149B)
	Histic Epipedon (A2) Black Histic (A3)		Пт	MLRA 149 hin Dark Surfa	,	D MIDA	140B)		Redox (A16) (LLR K, L, R) eat or Peat (S3) (LLR K, L, R)
	Hydrogen Sulfide (A4)			oamy Mucky N			1490)		S7) (LRR K, L)
	Stratified Layers (A5)			oamy Gleyed					w Surface (S8) (LRR K, L)
	Depleted Below Dark S	Surface (A11		epleted Matrix					ace (S9) (LRR K, L)
	Thick Dark Surface (A			edox Dark Su				☐ Iron-Manganes	se Masses (F12) (LRR K, L, R)
	Sandy Mucky Mineral			epleted Dark					dplain Soils (F19) (MLRA 149
	Sandy Gleyed Matrix (S4)	□ R	edox Depress	sions (F8)				TA6) (MLRA 144A, 145, 149B
	Sandy Redox (S5)							Red Parent Ma	
	Stripped Matrix (S6) Dark Surface (S7) (LR	DD MIDA	1/0R)					Other (Explain	Dark Surface (TF12)
Ш	Dark Surface (S7) (LK	N N, WILNA	1496)					☐ Other (Explain	iii Neiliaiks)
ndicators	of Hydrophytic vegetat	tion and wet	and hydrology m	ust be present	t, unless distu	urbed or pro	oblemat	ic.	
estrictive	E Layer (if observed):			·		-			
Type	:						H	Hydric Soil Present?	Yes 🗌 No 🛚
	h (inches):								
emarks: \	While thick dark surfa	ace (A12) r	night have bee	n observed i	f the pit was	excavate	ed to gr	eater depth, this wa	as unnecessary given that
etland h	ydrology was not pre	esent. No h	ydric soil indica	ators observe	ed.				

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: 5-7-2019 Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 20 Applicant/Owner: __ State: WI Investigator(s): Chris Jors, Jen Dietl, and Shane Heyel: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): slight hillslope (slight swale) Local relief (concave, convex, none): linear, concave Slope (%): 0-2% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Pella silt loam (Ph) NWI classification: None Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? □No ⊠Yes □No within a Wetland? □No Hydric Soils Present? ⊠Yes □No Wetland Hydrology Present? ⊠Yes If yes, optional Wetland Site ID: PCA 4 Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) ☐ Surface Water (A1) Drainage Patterns (B10) High Water Table (A2) ☐ Aquatic Fauna (B13) Moss Trim Lines (B16) \bowtie Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) П Water marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Oxidized Rhizospheres on Living Roots (C3) Sediment Deposits (B2) Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) П Recent Iron Reduction in Tilled Soils (C6) Algal Mat or Crust (B4) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Other (Explain in Remarks) Inundation Visible on Aerial Imagery (B7) Microtopographic Relief (D4) \Box Sparsely Vegetated Concave Surface (B8) **FAC-Neutral Test (D5)** Field Observations: Surface Water Present? Yes No 🛛 Depth (inches): Water Table Present? Yes 🛚 No 🗌 Depth (inches): 22.5 Saturation Present? Yes 🖂 No \square Depth (inches): 0 (surface) Wetland Hydrology Present? No 🗌 Yes 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), Aerial Photos (Exhibit 4), and NAIP/FSA Images (Exhibit 12). Remarks: Recent Iron Reduction in Tilled Soils (C6) indicator not checked since the timing of the last tillage could not be determined. Drain Tile work completed in close proximity to this sample site within the last 5 years (see Exhibit 14).

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator <u>Status</u>	Dominance Test worksheet:
1	70 COVE		<u>Otatus</u>	Number of Dominant Species
2				That are OBL, FACW, or FAC: 2 (A)
3				Total Number of Dominant
4				Species Across All Strata: <u>2</u> (B)
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)
6				
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cover	•	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
	<u>0</u>	= Total Cover		☐ Rapid Test for Hydrophytic Vegetation ☐ Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)				☐ Prevalence Index is ≤3.0¹
1. Ambrosia trifida	<u>3</u>	\boxtimes	FAC	☐ Morphological Adaptations¹ (Provide supporting
2. Ranunculus sceleratus	<u>3</u>	\boxtimes	OBL	data in Remarks or on a separate sheet)
3	_			Problematic Hydrophytic Vegetation ¹ (Explain)
				¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5				Definitions of Vegetation Strata:
6				Definitions of Vegetation Strata.
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>6</u>	= Total Cover		
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in height
1				noight .
2.		П		
3				Hadaaalaatta
4				Hydrophytic Vegetation
4	<u>0</u>	= Total Cover		Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet.				onium (NI) an invasive weed was also present
Atypical (farmed) wetland.	., 1 1011040 ;	your o dodd Da	iara otrarri	(W), all invasive weed, was also present.

Profile Des	scription: (Describe t	o the dep	th needed to docu	ment the indi	cator or cor	nfirm the a	bsence of indicators.)		
Depth	Matrix			Redox Feat	ures		_		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Rem	narks
-16	10YR 2/1	90	10YR 5/6	10	С	PL M	Silt loam		
6-23	10YR 3/1	92	7.5YR 3/4	5	С	PL M	Clay loam		
			10YR 5/6	3	C	PL M			
23-24	2.5Y 5/1	95	10YR 4/6	5	С	PL M	Clay loam		
- O 4	0	Latin DM	A Deduced March	40 Martin 10		-	21 the DI David	Charles NA NA-625	
	Concentration, D=Dep il Indicators:	letion, RIV	=Reduced Matrix, I	VIS= Masked S	and Grains		² Location: PL=Pore I		nile3.
-	Histosol (A1)		□ P	olyvalue Belov	v Surface (S	8) (LRR R .		10) (LRR K, L, M	
	Histic Epipedon (A2)			MLRA 149	,	-, (,		Redox (A16) (LLF	
	Black Histic (A3)			hin Dark Surfa				eat or Peat (S3) ((LLR K, L, R)
	Hydrogen Sulfide (A4)			oamy Mucky N	, ,	(LRR K, L)		(S7) (LRR K, L)	
	Stratified Layers (A5)	o		oamy Gleyed I				ow Surface (S8) (
	Depleted Below Dark : Thick Dark Surface (A			Depleted Matrix Redox Dark Su				face (S9) (LRR K se Masses (F12)	
	Sandy Mucky Mineral			epleted Dark Su				odplain Soils (F19	
	Sandy Gleyed Matrix (Redox Depress				(TA6) (MLRA 14 4	
	Sandy Redox (S5)				.0 (. 0)		Red Parent M		, , ,
	Stripped Matrix (S6)							Dark Surface (TF	12)
	Dark Surface (S7) (LR	R R, MLF	RA 149B)				☐ Other (Explain	n in Remarks)	
	of Hydrophytic vegeta		vetland hydrology m	ust be present	, unless dist	urbed or pr	oblematic.		
	e Layer (if observed)	:					Undria Cail Bracant	Vaa ⊠	No. 🗆
	h (inches):						Hydric Soil Present?	P Yes ⊠	No 🗌
Remarks:	11 (IIIO1100)								
Ciliano.									

WETLAND DETERMINA	TION DATA FORM - Northce	entral and Northeast Region				
Project/Site: Hickory Hill Farms, Inc.	City/County: Village of Sussex/Waukes					
Applicant/Owner:		State: WI Sampling Point: 21				
Investigator(s): Chris Jors, Jen Dietl, and Shane Heyel: SE	Section, Township, Range	: SW Quarter, Section 21, T8N-R19E				
Landform (hillslope, terrace, etc.): slight hillslope	Local relief (concave, conv	,				
Subregion (LRR or MLRA): <u>LRR K</u>	Lat: Long: _					
Soil Map Unit Name: Palms muck (Pa)	time of wear? Yes M. Ne. 🗆	NWI classification: None				
Are climatic/hydrologic conditions on the site typical for this Are Vegetation, Soil, or Hydrology signific		(If no, explain in Remarks) nstances" present? Yes ⊠ No □				
Are vegetation, Soil, or Hydrology signific Are Vegetation, Soil_X_, or Hydrology natural		nstances" present? Yes ⊠ No □ nany answers in Remarks.)				
SUMMARY OF FINDINGS – Attach site map s	snowing sampling point location	ons, transects, important features, etc.				
Livedocario dia Managata Decembra Myss	No Is the Sampled Area					
Hydrophytic Vegetation Present?	td.to - Weden 10	Yes □No				
Wetland Hydrology Present?		_				
	If yes, optional Wetla	nd Site ID: PCA 4				
Remarks: (Explain alternative procedures here or in a sep		cipitation is normal. Soils were naturally problematic				
as they were too wet to pull up from a depth greater	r than 20 inches.					
HYDROLOGY Western Hydrology Indicators:		Coopedam, Indicators (minimum of two required)				
Wetland Hydrology Indicators:	that and A	Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is required; check all	tnat apply)	☐ Surface Soil Cracks (B6)				
Surface Water (A1)	Water-Stained Leaves (B9)	Drainage Patterns (B10)				
	Aquatic Fauna (B13)	Moss Trim Lines (B16)				
Saturation (A3)	Marl Deposits (B15)	its (B15) Dry-Season Water Table (C2)				
	Hydrogen Sulfide Odor (C1)					
	Oxidized Rhizospheres on Living Ro					
Drift Deposits (B2)		Stunted or Stressed Plants (D1)				
Drift Deposits (B3)						
Algal Mat or Crust (B4)		reduction in Tilled Soils (C6) Geomorphic Position (D2)				
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3)				
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	Microtopographic Relief (D4)				
☐ Sparsely Vegetated Concave Surface (B8)		☑ FAC-Neutral Test (D5)				
Field Observations:						
•	n (inches):					
Water Table Present? Yes ⊠ No ☐ Depth	n (inches): 4					
Saturation Present? Yes ⊠ No ☐ Depth	n (inches): 0 (at surface)	Wetland Hydrology Present? Yes ⊠ No □				
(includes capillary fringe)						
		ailable: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map				
(Exhibit 3), Aerial Photos (Exhibit 4), and NAIP/FSA Image	es (Exhibit 12).					
	water seepage area. Drain Tile work	completed in close proximity to this sample site within				
the last 5 years (see Exhibit 14).						

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1	76 COVEL		Status	Number of Dominant Species
2				That are OBL, FACW, or FAC: 2 (A)
3				Total Number of Dominant
				Species Across All Strata: 2 (B)
4				
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)
6				
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	r	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
	<u>0</u>	= Total Cove	r	Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5' radius)	_	. 5.6 5575		Dominance Test is >50% Prevalence Index is ≤3.0¹
1. Ranunculus sceleratus	<u>3</u>	\boxtimes	<u>OBL</u>	☐ Morphological Adaptations¹ (Provide supporting
2. Ambrosia trifida	<u>-</u> 1	\boxtimes	FAC	data in Remarks or on a separate sheet)
	-			☐ Problematic Hydrophytic Vegetation¹ (Explain)
3				¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5				Definitions of Variation Strate.
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>4</u>	= Total Cove	r	
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in
1		П		height
2				
2				
3				Hydrophytic Vegetation
4				Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet.	0 Atypical (f	= Total Cove		
romano. (molude prioto number nere oi on a separate sheet.	, Alypicai (I	anneuj wellali	u.	

Profile De	scription: (Describe t	o the dep	oth needed to docu	ment the indi	icator or cor	nfirm the a	absence of indicators.)
Depth	Matrix			Redox Feat			·
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	— Texture Remarks
0-11	10YR 2/1	100			.,,,,,		Silt loam
11-15	10YR 2/1	97	10YR 4/6	3		PL M	Silt loam
15-20	N 2.5/	100	1011(4/0				Silt loam
	IN 2.5/	100	<u> </u>				
20+	-						Too wet to pull up.
		-					
	<u> </u>		<u> </u>				_
			· -				
-	<u> </u>		· -				
	<u>.</u>						<u></u>
							<u>-</u>
							<u>-</u>
1Tymay C	Concentration D. Don	lation DA	A Doduced Metrix N	AC Mooked C	and Crains		21 continue DI Dovo Lining M Moteriy
	Concentration, D=Dep	ieuon, KN	ri=rceduced Matrix, I	vio= iviasked S	bariu Grains		² Location: PL=Pore Lining, M=Matrix Indicators for Problematic Hydric Soils ³ :
-	Histosol (A1)		□ P	olyvalue Belov	w Surface (S	8) (LRR R.	· · · · · · · · · · · · · · · · · · ·
	Histic Epipedon (A2)		_	MLRA 149	,	, ,	Coast Prairie Redox (A16) (LLR K, L, R)
	Black Histic (A3)			hin Dark Surfa			
	Hydrogen Sulfide (A4)			oamy Mucky N		(LRR K, L)	
	Stratified Layers (A5) Depleted Below Dark S	Surface (oamy Gleyed l Depleted Matrix			☐ Polyvalue Below Surface (S8) (LRR K, L)☐ Thin Dark Surface (S9) (LRR K, L)
	Thick Dark Surface (A			Redox Dark Su			Iron-Manganese Masses (F12) (LRR K, L, R)
	Sandy Mucky Mineral			epleted Dark	` '		☐ Piedmont Floodplain Soils (F19) (MLRA 149B)
	Sandy Gleyed Matrix (S4)	□R	Redox Depress	sions (F8)		☐ Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
	Sandy Redox (S5)						Red Parent Material (F21)
	Stripped Matrix (S6) Dark Surface (S7) (LR	DD MII	2 A 1/10R)				☐ Very Shallow Dark Surface (TF12)☑ Other (Explain in Remarks)
	Daik Sulface (S7) (EK	iix ix, ivilli	(A 143B)				☐ Other (Explain in Remarks)
³ Indicators	of Hydrophytic vegeta	tion and v	vetland hydrology m	ust be present	t, unless dist	urbed or pr	roblematic.
Restrictive	e Layer (if observed)	:					
	e:						Hydric Soil Present? Yes ⊠ No □
	th (inches):						
	-					-	h water table prevented investigation to adequate depth
			, 0,				c plants. In addition, other sample sites in the vicinity m
tne A12 ir	ndicator. Thus, the s	ite was c	determined to be v	vetiand with i	naturally pro	obiematic	; nyaric soil.

WETLAND DETERMINATION DA	ATA FORM – Northco	entral and Northeast Region
Applicant/Owner:	ty: Village of Sussex/Waukes	State: WI Sampling Point: 22
Investigator(s): <u>Chris Jors, Jen Dietl, and Shane Heyel: SEWRPC</u> Landform (hillslope, terrace, etc.): <u>excavated pond</u> Subregion (LRR or MLRA): <u>LRR K</u> Soil Map Unit Name: <u>Lamartine silt loam (LmB)</u>	Local relief (concave, conv Lat: Long: _	
Are climatic/hydrologic conditions on the site typical for this time of yea Are Vegetation, Soil, or Hydrology significantly distured are Vegetation, Soil, or Hydrology naturally problematics.	bed? Are "Normal Circur	(If no, explain in Remarks) mstances" present? Yes ⊠ No □ n any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing	sampling point location	ons, transects, important features, etc.
Hydrophytic Vegetation Present?	Is the Sampled Area within a Wetland?	⊠ Yes □No
Remarks: (Explain alternative procedures here or in a separate report	If yes, optional Wetla	
2000 aerial photo (Exhibit 4E).		
HYDROLOGY		
Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)		☐ Surface Soil Cracks (B6)
Surface Water (A1) Water-	Stained Leaves (B9)	Drainage Patterns (B10)
	c Fauna (B13)	Moss Trim Lines (B16)
	eposits (B15)	Dry-Season Water Table (C2)
☐ Water marks (B1) ☐ Hydrog	gen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidize	ed Rhizospheres on Living Ro	
	nce of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	t Iron Reduction in Tilled Soils	· · · · · · · · · · · · · · · · · · ·
	uck Surface (C7)	Shallow Aquitard (D3)
	(Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)		
Field Observations:		
Surface Water Present? Yes No Depth (inches):		
Water Table Present? Yes ⊠ No ☐ Depth (inches): 1 Saturation Present? Yes ⊠ No ☐ Depth (inches): 0		
Saturation Present? Yes ⊠ No ☐ Depth (inches): (includes capillary fringe)	<u>o (at surface)</u>	Wetland Hydrology Present? Yes ⊠ No □
Describe Recorded Data (stream gauge, monitoring well, aerial photo (Exhibit 3), and Aerial Photos (Exhibit 4).	s, previous inspections), if av	ailable: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map
Remarks:		

Tree Stratum (Plot size: 30' radius)	Absolute	Dominant Species?	Indicator	Dominance Test worksheet:
1	% Cover	Species? ☐	<u>Status</u>	
				Number of Dominant Species That are OBL, FACW, or FAC: 1 (A)
2				
3				Total Number of Dominant Species Across All Strata: 1 (B)
4				
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)
6				
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A = Hydrophytic Vegetation Indicators:
7		<u>П</u>		Rapid Test for Hydrophytic Vegetation
	<u>0</u>	= Total Cove	er	□ Dominance Test is >50% □ 2.61
Herb Stratum (Plot size: 5' radius)		-		☐ Prevalence Index is ≤3.0¹☐ Morphological Adaptations¹ (Provide supporting
1. Phalaris arundinacea	<u>60</u>		FACW	data in Remarks or on a separate sheet)
2. Rumex crispus	<u>3</u>		<u>FAC</u>	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3				¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5				
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				
				Sapling/shrub – Woody plants less than 3in. DBH and greater than 3.28 ft (1 m) tall.
10				and greater than 3.20 ft (1 m) tail.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>63</u>	= Total Cove	er	Woody vines – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30' radius)				height
1				
2				
3				Hydrophytic
4				Vegetation
	<u>0</u>	= Total Cove	er	Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet.				

Profile De	scription: (Describe to	the dep	oth needed to docu	ıment the indi	icator or coi	nfirm the a	bsence of indicators.)		
Depth	Matrix			Redox Feat	ures		_		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Re	emarks
0-5	10YR 3/2	100					Silt loam	- · - <u></u>	
5-16	10YR 5/1	75	10YR 5/6	25	С	PL M	Clay loam		
16+								Too wet to pull	up.
			•			-			
	·								
	Concentration, D=Depl	etion, RN	1=Reduced Matrix, I	MS= Masked S	Sand Grains		² Location: PL=Pore		
-	il Indicators:		Пг	Oharoluo Baler	w Surface (C	0) /I BB B	Indicators for Probl	ematic Hydric S \10) (LRR K, L, I	
	Histosol (A1) Histic Epipedon (A2)			Polyvalue Belov MLRA 149		o) (LKK K,	,	Redox (A16) (LL	,
	Black Histic (A3)		П П	hin Dark Surfa	,	R R, MLRA		Peat or Peat (S3)	
	Hydrogen Sulfide (A4)			oamy Mucky N		(LRR K, L)		(S7) (LRR K, L)	
	Stratified Layers (A5)	Confess		oamy Gleyed				low Surface (S8)	
	Depleted Below Dark Thick Dark Surface (A			Depleted Matri Redox Dark Su				rface (S9) (LRR ese Masses (F12	
	Sandy Mucky Mineral (Depleted Dark					9) (MLRA 149B)
	Sandy Gleyed Matrix (Redox Depress			☐ Mesic Spodio	(TA6) (MLRA 1 4	44A, 145, 149B)
	Sandy Redox (S5)						Red Parent N		T40)
	Stripped Matrix (S6) Dark Surface (S7) (LR	RR MIR	2 Δ 149R)					Dark Surface (T n in Remarks)	F12)
	Dank Garlage (G7) (EIK	1 11, III-I	(1400)				_ Other (Explai	ir iir recinancy	
	of Hydrophytic vegetat		vetland hydrology m	ust be present	t, unless dist	urbed or pro	oblematic.		
	e Layer (if observed):								
, ,):						Hydric Soil Present	? Yes ⊠	No 🗌
	h (inches):								
Remarks:									
ı									
I									
I									
I									
1									
l									

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: 5-7-2019 Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 23 Applicant/Owner: __ State: WI Investigator(s): Chris Jors, Jen Dietl, and Shane Heyel: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): berm Local relief (concave, convex, none): convex Slope (%): 0-3% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Lamartine silt loam (LmB) NWI classification: None Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area ⊠Yes Hydrophytic Vegetation Present? ПNо within a Wetland? ☐ Yes ⊠No ⊠No Hydric Soils Present? □Yes ⊠No Wetland Hydrology Present? □Yes If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. The berm consists of dredge spoils from the pond excavation immediately north of the sample site. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) П П ☐ Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) ☐ Presence of Reduced Iron (C4) Drift Deposits (B3) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) \Box FAC-Neutral Test (D5) **Field Observations:** Surface Water Present? Yes No 🖂 Depth (inches): _ Water Table Present? Yes \boxtimes Depth (inches): _ No Saturation Present? Yes No 🖂 Depth (inches): Wetland Hydrology Present? Yes No 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4). Remarks: No wetland hydrology indicators observed.

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1	76 COVEL		Status	Number of Dominant Species
2				That are OBL, FACW, or FAC: 1 (A)
3				Total Number of Dominant Species Across All Strata: 1 (B)
4				
5	-			Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)
6				
7	-			Prevalence Index worksheet:
	<u>0</u>	= Total Cove	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4	-			UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
·· ·	<u>0</u>	= Total Cove		Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5' radius)	<u> </u>	- 10tai 00ve	21	Dominance Test is >50% Prevalence Index is ≤3.0¹
1. Ambrosia trifida	<u>60</u>	\boxtimes	FAC	☐ Morphological Adaptations¹ (Provide supporting
	<u>15</u>		FACU	data in Remarks or on a separate sheet)
2. <u>Galium aparine</u>	<u>10</u>		FACU	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3. <u>Setaria faberi</u>				¹ Indicators of hydric soil and wetland hydrology must
4. Alliaria petiolata	<u>5</u>		<u>FACU</u>	Be present, unless disturbed or problematic.
5. <u>Arctium minus</u>	<u>3</u>		<u>FACU</u>	
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Harb All barbassas (san usadi) rianta rangulas
12	-			Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
	<u>93</u>	= Total Cove	er	
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in
				height
1				
2.				
3		_		Hydrophytic
4		<u></u>		Vegetation Present? Yes ⊠ No □
Demontra, (include photo number have as an a concrete sheet	0 \ Old field	= Total Cove	er	
Remarks: (include photo number here or on a separate sheet	.) Old lield.			

Lionie Des		the depth	needed to doc			mirin the a	bsence of indicators.)			
Depth	Matrix			Redox Feat			_			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		temarks	
-5	10YR 3/2	100					Silty clay loam	dredge spoils		
-25	10YR 5/4	65					Silty clay loam	dredge spoils		
	10YR 3/2	35						_		
	· ·									
		·								
	-							_		
	-									
	Concentration, D=Dep	letion, RM=F	Reduced Matrix,	MS= Masked S	Sand Grains		² Location: PL=Pore			
-	il Indicators:			Data to 5 :		0) (1.55.5	Indicators for Prob	-		4.405\
	Histosol (A1)		Ш	Polyvalue Belov MLRA 149		8) (LRR R,		A10) (LRR K, L , Redox (A16) (I		
	Histic Epipedon (A2) Black Histic (A3)		П	Thin Dark Surfa	,	R MIRA		Peat or Peat (S		
	Hydrogen Sulfide (A4))		Loamy Mucky N				e (S7) (LRR K, L		K, L, K)
	Stratified Layers (A5)			Loamy Gleyed				elow Surface (S		K, L)
	Depleted Below Dark	Surface (A1		Depleted Matrix				ırface (S9) (LRF		
	Thick Dark Surface (A			Redox Dark Su				ese Masses (F1		
	Sandy Mucky Mineral			Depleted Dark				oodplain Soils (F		
	Sandy Gleyed Matrix (Sandy Redox (S5)	(S4)	Ш	Redox Depress	ions (F8)			c (TA6) (MLRA Material (F21)	144A, 1	45, 149B)
	Stripped Matrix (S6)							naterial (F21) Dark Surface (TF12)	
	Dark Surface (S7) (LR	RR R, MLRA	149B)					in in Remarks)	,	
	of Hydrophytic vegeta		land hydrology i	must be present	, unless dist	urbed or pro	oblematic.			
	Layer (if observed)):								
	:						Hydric Soil Present	t? Yes □	No	\bowtie
	h (inches): No hydric soil indica	tora obcor	ad							
Kemarks: i	NO HYUHC SOII IHUICA	iois obseiv	eu.							

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: 5-7-2019 Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 24 Applicant/Owner: __ State: WI Investigator(s): Chris Jors, Jen Dietl, and Shane Heyel: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): hillslope Local relief (concave, convex, none): linear Slope (%): 0-3% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Lamartine silt loam (LmB) NWI classification: None Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? ⊠No ☐Yes within a Wetland? ☐ Yes ⊠No ⊠No Hydric Soils Present? ☐Yes □No Wetland Hydrology Present? ⊠Yes If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. Sample site is impacted by slurry discharge/spreading of manure. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) \bowtie Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) П ☐ Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) Presence of Reduced Iron (C4) Drift Deposits (B3) \boxtimes Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) **Field Observations:** Surface Water Present? Yes No 🖂 Depth (inches): Water Table Present? Yes 🛛 Depth (inches): *12.5 No Saturation Present? Yes 🛛 No 🗌 Depth (inches): 0 (surface) **Wetland Hydrology Present?** Yes 🛛 No \square (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4). Remarks: Algae/algal crust observed in tire ruts.

<u>Tree Stratum</u> (Plot size: <u>30' radius</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1	76 COVEL		Status	Number of Dominant Species
2				That are OBL, FACW, or FAC: <u>0</u> (A)
3				Total Number of Dominant Species Across All Strata: 0 (B)
4				Opecies Across All Strata.
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 0% (A/B)
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
				·
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation
	<u>0</u>	= Total Cove	er	Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)				☐ Prevalence Index is ≤3.0¹
1				☐ Morphological Adaptations¹ (Provide supporting
2				data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain)
3				Problematic Hydrophytic Vegetation (Explain)
				¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5				
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8		\Box		at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11.				, ,
		_		Herb – All herbaceous (non-woody) plants, regardless
12		<u> </u>		of size, and woody plants less than 3.28 ft tall.
	<u>0</u>	= Total Cove	er	Woody vines – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30' radius)				height
1				
2				
3				Hydrophytic
4.				Vegetation
	<u>0</u>	= Total Cove	۲r	Present? Yes ☐ No ☒
Remarks: (include photo number here or on a separate sheet.				f vegetation and exhibited evidence of
multiple/heavy manure applications over time. Agricultu			20 001010	

Depth		- 1110 dop	otn needed t	o aocu			ntirm the a	bsence o	of indicators.)			
	Matrix				Redox Feat			_				
(inches)	Color (moist)	%	Color (r	moist)	%	Type ¹	Loc ²		Texture		emarks	
-4										fresh manure		
-22	10YR 3/2	100						Loam				
2-24	5Y 4/2	75	2.5Y 5/4		25	C	PL M	Clay loa	am	-		
			· <u> </u>							-		
			· -					-		-		
								-				
							-					
							-					
ype: C=0	Concentration, D=Depl	etion, RM	/I=Reduced N	Matrix, N	MS= Masked S	Sand Grains		² L	ocation: PL=Pore	Lining, M=Matr	ix	
	I Indicators:								dicators for Proble	-		
_	Histosol (A1) Histic Epipedon (A2)			☐ F	olyvalue Belo MLRA 149		8) (LRR R ,		☐ 2 cm Muck (A☐ Coast Prairie	10) (LRR K, L, Redox (A16) (L		
	Black Histic (A3)			Пт	hin Dark Surfa	,	R R. MLRA	149B)		eat or Peat (S		
	Hydrogen Sulfide (A4)				oamy Mucky I			, , , ,		(S7) (LRR K, L		-, -,,
	Stratified Layers (A5)				oamy Gleyed					ow Surface (S8		K , L)
	Depleted Below Dark S		A11)		epleted Matrix					face (S9) (LRR		
	Thick Dark Surface (A' Sandy Mucky Mineral				Redox Dark Su Depleted Dark					se Masses (F1 odplain Soils (F		
	Sandy Gleyed Matrix (Redox Depress					(TA6) (MLRA		
	Sandy Redox (S5)	/				()			☐ Red Parent M		, , , ,	-,
	Stripped Matrix (S6)									Dark Surface (ΓF12)	
	Dark Surface (S7) (LR	R R, MLF	RA 149B)						Other (Explain	in Remarks)		
ndicators	of Hydrophytic vegetat	ion and v	vetland hydro	oloav m	ust be presen	t. unless dist	urbed or pr	oblematic	: .			
				97		.,			<u>- </u>			
	Layer (if observed):							Hy	dric Soil Present?	Yes □	No	\boxtimes
estrictive	Layer (if observed):										INO I	
estrictive Type: Depth	: h (inches):										140	
estrictive Type: Depth	:		erved.								140	
estrictive Type: Depth	: h (inches):		erved.									
estrictive Type: Depth	: h (inches):		erved.								110	
estrictive Type: Depth	: h (inches):		erved.								NO 1	
estrictive Type: Depth	: h (inches):		erved.								NO 1	
estrictive Type: Depth	: h (inches):		erved.								NO 1	
estrictive Type: Depth	: h (inches):		erved.								NO 1	
estrictive Type: Depth	: h (inches):		erved.								NO 1	
estrictive Type: Depth	: h (inches):		erved.								NO 1	
estrictive Type: Depth	: h (inches):		erved.									
estrictive Type: Depth	: h (inches):		erved.									
estrictive Type: Depth	: h (inches):		erved.								NO 1	
estrictive Type: Depth	: h (inches):		erved.								NO 1	
estrictive Type: Depth	: h (inches):		erved.									
estrictive Type: Depth	: h (inches):		erved.									
estrictive Type: Depth	: h (inches):		erved.									
estrictive Type: Depth	: h (inches):		erved.								NO 1	
estrictive Type: Depth	: h (inches):		erved.									
estrictive Type: Depth	: h (inches):		erved.									
estrictive Type: Depth	: h (inches):		erved.									

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: 5-7-2019 Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 25 Applicant/Owner: ___ State: WI Investigator(s): Chris Jors, Jen Dietl, and Shane Heyel: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): slight hillslope Local relief (concave, convex, none): linear Slope (%): 0-2% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Pella silt loam (Ph) NWI classification: None Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? □No ⊠Yes □No within a Wetland? □No Hydric Soils Present? ⊠Yes □No Wetland Hydrology Present? ⊠Yes If yes, optional Wetland Site ID: PCA 4 Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) ☐ Surface Soil Cracks (B6) Surface Water (A1) ☐ Water-Stained Leaves (B9) Drainage Patterns (B10) \boxtimes High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) \boxtimes Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Oxidized Rhizospheres on Living Roots (C3) Sediment Deposits (B2) Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) П Recent Iron Reduction in Tilled Soils (C6) Algal Mat or Crust (B4) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Other (Explain in Remarks) Inundation Visible on Aerial Imagery (B7) Microtopographic Relief (D4) \Box Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No 🛛 Depth (inches): Water Table Present? Yes 🛚 No 🗌 Depth (inches): 6 Saturation Present? Yes 🖂 No \square Depth (inches): 0 (at surface) Wetland Hydrology Present? Yes 🖂 No \square (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4). Remarks: Recent Iron Reduction in Tilled Soils (C6) indicator not checked since the timing and the depth of the last tillage could not be determined. Drain Tile work was completed in close proximity to this sample site within the last 5 years (see Exhibit 14).

Tree Stratum (Plot size: 30' radius)	Absolute		Indicator	Dominance Test worksheet:
1	% Cover	Species? □	<u>Status</u>	
				Number of Dominant Species That are OBL, FACW, or FAC: 1 (A)
2				
3				Total Number of Dominant Species Across All Strata: 1 (B)
4				
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)
6				
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	r	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
·· ·	<u>0</u>	= Total Cove		Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5' radius)	<u>-</u>	= 10tal 00ve	•	Dominance Test is >50% Prevalence Index is ≤3.0¹
1. Ambrosia trifida	<u>3</u>	\boxtimes	FAC	☐ Morphological Adaptations¹ (Provide supporting
	_		-710	data in Remarks or on a separate sheet)
2				☐ Problematic Hydrophytic Vegetation¹ (Explain)
3				¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5				Definitions of Manufaction Office
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>3</u>	= Total Cove	r	
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in
1				height
2				
2				
3				Hydrophytic Vegetation
4				Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet.	0 Atypical (f	= Total Cove		
Remarks. (include prioto number here of on a separate sheet.) Atypical (I	airrieu) wellari	u.	

OIL Profile Des	scription: (Describe t	o the dep	oth needed to doc	ument the indi	cator or cor	nfirm the a	bsence of indicators.)	Sampling Point: 2	
Depth	Matrix			Redox Feat			·		
inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	- Texture	Remark	ks
6	10YR 3/1	100					Silt loam		
18	10YR 3/1	95	10YR 3/4	5	C	PL M	Silt loam		
-25	2.5Y 2.5/1	95	10YR 5/1	5		M	Silt loam		
			-					-	
	-	-	-			-			
			-					-	
	-							-	
	-							-	
			-					-	
	-	-	-			-			
			-					-	
	· -								
/pe: C=	Concentration, D=Dep	letion, RN	M=Reduced Matrix,	MS= Masked S	and Grains		² Location: PL=Pore	Lining, M=Matrix	
	il Indicators:				0 (:=	0) (1 5 5 5	Indicators for Proble		
	Histosol (A1) Histic Epipedon (A2)			Polyvalue Belov MLRA 149	•	8) (LRR R ,		(10) (LRR K, L, MLR Redox (A16) (LLR K	
	Black Histic (A3)		П	Thin Dark Surfa	,	R R. MLRA		Peat or Peat (S3) (LL	
	Hydrogen Sulfide (A4))		Loamy Mucky N				(S7) (LRR K, L)	,,,
	Stratified Layers (A5)			Loamy Gleyed I				ow Surface (S8) (LR	
	Depleted Below Dark			Depleted Matrix				rface (S9) (LRR K, L)	
	Thick Dark Surface (A Sandy Mucky Mineral			Redox Dark Sเ Depleted Dark ร				ese Masses (F12) (LF odplain Soils (F19) (N	
	Sandy Gleyed Matrix			Redox Depress				(TA6) (MLRA 144A ,	
	Sandy Redox (S5)						☐ Red Parent M	laterial (F21)	
	Stripped Matrix (S6)	D D MI	DA 440D)					Dark Surface (TF12))
Ш	Dark Surface (S7) (LF	KK K, WILI	RA 149B)				☐ Other (Explain	n in Remarks)	
ndicators	of Hydrophytic vegeta	tion and v	vetland hydrology r	nust be present	, unless distu	urbed or pro	oblematic.		
estrictive	e Layer (if observed)	:		-		-			
	:						Hydric Soil Present	? Yes⊠ No	
	h (inches):								
marks:									

			entral and Northeas	•
Project/Site: Hickory Hill Farms, Inc.	City/County	: Village of Sussex/Wauke		Sampling Date: 5-7-2019
Applicant/Owner: Investigator(s): Chris Jors, Jen Dietl, and Shane	Hovel SEWADO	Section Township Panar	State: WI e: SW Quarter, Section 21, T	Sampling Point: <u>26</u>
Landform (hillslope, terrace, etc.): slight hillslope		Local relief (concave, con		Slope (%): <u>0-2%</u>
Subregion (LRR or MLRA): <u>LRR K</u>	<u>2</u>	Lat: Long: _	· ——	616p6 (76). <u>6 276</u>
Soil Map Unit Name: Pella silt loam (Ph)				assification: None
Are climatic/hydrologic conditions on the site type	ical for this time of year?	Yes ⊠ No □	(If no, explain in Remarks)	
Are Vegetation <u>X</u> , Soil, or Hydrology	significantly disturbe	ed? Are "Normal Circu	mstances" present? Yes	☐ No ⊠
Are Vegetation, Soil, or Hydrology	naturally problemati	c? (If, needed, explai	n any answers in Remarks.)	
SUMMARY OF FINDINGS – Attach si	ite map showing s	ampling point locati	ons, transects, import	ant features, etc.
Hydrophytic Vegetation Present? Yes	□No	Is the Sampled Are	a ⊠ Yes	□No
Hydric Soils Present?	□No	within a Wetland?	△ res	Пио
Wetland Hydrology Present? ☐ Yes	□No	If was antional Water	and Cita ID. DCA 4	
Remarks: (Explain alternative procedures here	e or in a separate report.	If yes, optional Wetla 90-day antecedent pre		ample site has significantly
disturbed vegetation due to farming.	or in a coparato report.	, co day amooddin pro	oiphanor io riorrian Trio o	ample one has signmeanly
HYDROLOGY				
Wetland Hydrology Indicators:			Secondary Indi	cators (minimum of two required)
Primary Indicators (minimum of one is required	; check all that apply)		☐ Surface S	oil Cracks (B6)
Surface Water (A1)	□ Water-St	tained Leaves (B9)		Patterns (B10)
		, ,		, ,
High Water Table (A2)		Fauna (B13)		Lines (B16)
Saturation (A3)		posits (B15)		on Water Table (C2)
Water marks (B1)	Hydroge	n Sulfide Odor (C1)	Crayfish B	Burrows (C8)
☐ Sediment Deposits (B2)	Oxidized	Rhizospheres on Living Ro		Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence	e of Reduced Iron (C4)	☐ Stunted or	Stressed Plants (D1)
Algal Mat or Crust (B4)		ron Reduction in Tilled Soil		nic Position (D2)
Use Water marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Uron Deposits (B5)		ck Surface (C7)		quitard (D3)
☐ Inundation Visible on Aerial Imagery		explain in Remarks)		graphic Relief (D4)
		Apiaiii iii Neiliaiks)		
Sparsely Vegetated Concave Surfactive Field Observations:	ce (B8)		☐ FAC-Neut	ral Test (D5)
<u> </u>	□ Depth (inches): □			
Water Table Present? Yes ⊠ No				
Saturation Present? Yes 🖂 No	_ · · · / _	(at curface)		
(includes capillary fringe)	Depth (inches). <u>o (</u>	(at Surface)	Wetland Hydrology Preser	nt? Yes⊠ No □
Describe Recorded Data (stream gauge, monit	oring well, aerial photos.	previous inspections), if a	/ailable: Topo Map (Exhibit 1). WWI Map (Exhibit 2). Soils Map
(Exhibit 3), and Aerial Photos (Exhibit 4).	3	,,	24 (,,
Remarks: Sample site is in a ground water	seepage area. Drain	tile work completed in c	lose proximity to this samp	ole site within the last 5 years
(see Exhibit 14).				

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant I Species?	Indicator <u>Status</u>	Dominance Test worksheet:
1	<u>70 00701</u>		<u> </u>	Number of Dominant Species
2				That are OBL, FACW, or FAC: 0 (A)
3				Total Number of Dominant
4				Species Across All Strata: <u>0</u> (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 0% (A/B)
7				Prevalence Index worksheet:
r	<u>0</u>			
	⊻	= Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3		□		FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
		= Total Cover		☐ Rapid Test for Hydrophytic Vegetation ☐ Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)				☐ Prevalence Index is ≤3.0¹
1				☐ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
2				□ Problematic Hydrophytic Vegetation¹ (Explain)
3		口		
4				Indicators of hydric soil and wetland hydrology must Be present, unless disturbed or problematic.
5				be present, unless disturbed of problematic.
				Definitions of Vegetation Strata:
6				
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height
8				at breast neight (bbri), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>0</u>	= Total Cover		Woody vines – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30' radius)				height
1				
2				
3				Hydrophytic
4		口		Vegetation
	<u>0</u>	= Total Cover		Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet. exhibits wetland hydrology indicators and has a hydric shydrophytic vegetation. Atypical (farmed) wetland.		-		

Profile De	scription: (Describe to	the dep	th needed to doc	ument the indi	cator or co	nfirm the al	bsence of indicators.)		
Depth	Matrix			Redox Feat	ures		_		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remar	ks
0-8	10YR 2/1	100					Silt loam		
8-20	N 2.5/	100					Silt loam		
20-27	5Y 5/2	93	10YR 4/6	7	С	PL M	Clay loam		
	-								
			-						
	·								
	·		-						
	-								
	<u> </u>								
			-						
	-								
¹Type: C=	:Concentration, D=Depl	etion. RM	I=Reduced Matrix.	MS= Masked S	Sand Grains		² Location: PL=Pore Lir	ning, M=Matrix	
	il Indicators:	,					Indicators for Problem		3.
	Histosol (A1)			Polyvalue Belov		8) (LRR R,) (LRR K, L, MLR	
	Histic Epipedon (A2)			MLRA 149	,			edox (A16) (LLR K	
	Black Histic (A3) Hydrogen Sulfide (A4)			Thin Dark Surfa Loamy Mucky N			_	at or Peat (S3) (LL	.R K, L, R)
	Stratified Layers (A5)			Loamy Gleyed I		(LKK K, L)		v Surface (S8) (LR	RK.I)
	Depleted Below Dark S	Surface (A		Depleted Matrix				ce (S9) (LRR K, L	
\boxtimes	Thick Dark Surface (A	112)		Redox Dark Su	rface (F6)		☐ Iron-Manganese	e Masses (F12) (Ll	RR K, L, R)
	Sandy Mucky Mineral (Depleted Dark S				plain Soils (F19) (I	
	Sandy Gleyed Matrix (S4)		Redox Depress	ions (F8)			A6) (MLRA 144A,	, 145, 149B)
	Sandy Redox (S5) Stripped Matrix (S6)						☐ Red Parent Mat ☐ Very Shallow Da	eriai (F21) ark Surface (TF12)	١
	Dark Surface (S7) (LR	R R. MLF	RA 149B)				Other (Explain in)
	2 a 2 a a. 2 (0.) (2.1	,	,				- Outer (Express :		
	of Hydrophytic vegetat		vetland hydrology r	nust be present	, unless dist	urbed or pro	blematic.		
	e Layer (if observed):								
	e:						Hydric Soil Present?	Yes 🛛 No	
	th (inches):								
Remarks:									
i									

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: 5-7-2019 Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 27 Applicant/Owner: ___ State: WI Investigator(s): Chris Jors, Jen Dietl, and Shane Heyel: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): slight hillslope Local relief (concave, convex, none): linear Slope (%): 0-2% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Pella silt loam (Ph) NWI classification: None Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? ⊠No □Yes ⊠No within a Wetland? ☐ Yes ⊠Yes □No Hydric Soils Present? ⊠No Wetland Hydrology Present? □Yes If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) П П ☐ Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) ☐ Presence of Reduced Iron (C4) Drift Deposits (B3) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) \Box FAC-Neutral Test (D5) **Field Observations:** Surface Water Present? Yes No 🖂 Depth (inches): __ Water Table Present? Yes \boxtimes Depth (inches): No Saturation Present? Yes 🛛 No 🗌 Depth (inches): 24 Wetland Hydrology Present? Yes No 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4). Remarks: Drain tile work completed in the vicinity of this sample site within the last 5 years (see Exhibit 14). No wetland hydrology indicators observed

Tree Stratum (Plot size: 30' radius)	Absolute		Indicator	Dominance Test worksheet:
1	% Cover	Species? □	<u>Status</u>	Number of Dominant Species
				That are OBL, FACW, or FAC: 0 (A)
2				
3				Total Number of Dominant Species Across All Strata: 0 (B)
4				
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 0% (A/B)
6				
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	r	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				
6				Prevalence Index = B/A = Hydrophytic Vegetation Indicators:
7				Rapid Test for Hydrophytic Vegetation
	<u>0</u>	= Total Cove	r	Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)				☐ Prevalence Index is ≤3.0¹☐ Morphological Adaptations¹ (Provide supporting
1				data in Remarks or on a separate sheet)
2				☐ Problematic Hydrophytic Vegetation¹ (Explain)
3				¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5				
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				
				Sapling/shrub – Woody plants less than 3in. DBH and greater than 3.28 ft (1 m) tall.
10				and greater than 3.20 ft (1 fil) tall.
11		<u> </u>		Herb - All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>0</u>	= Total Cove	r	Woody vines – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30' radius)				height
1				
2				
3				Hydrophytic
4				Vegetation
	<u>0</u>	= Total Cove	r	Present? Yes ☐ No ☒
Remarks: (include photo number here or on a separate sheet.) Agricultura			's corn stubble. No live vegetation.
		-	-	-

OIL									Sampling Po)INT: <u>27</u>
Profile Des	scription: (Describe to	the dep	th needed to docu	ment the indi	cator or con	firm the a	bsence (of indicators.)		
Depth	Matrix			Redox Feat	ures					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	_	Texture	Re	emarks
<u> </u>	· · · · · · · · · · · · · · · · · · ·		Color (moist)		Туре		0:14.1			illaiks
0-13	10YR 2/1	100			·		Silt loa	m	with gravel	
13-27	5Y 4/2	92	10YR 4/6	8	С	PL M	Silty cla	ay loam	with gravel	
	-									
					·					
	-				•		-			
¹Type: C=0	Concentration, D=Deple	etion, RM	=Reduced Matrix, N	IS= Masked S	and Grains		2	ocation: PL=Pore	Lining, M=Matrix	κ .
	I Indicators:							dicators for Proble		
	Histosol (A1)		□ P	olyvalue Belov	w Surface (S8	B) (LRR R,		2 cm Muck (A	(10) (LRR K, L, I	MLRA 149B)
	Histic Epipedon (A2)			MLRA 149	B)			☐ Coast Prairie	Redox (A16) (LL	∟R K, L, R)
	Black Histic (A3)		□ T	hin Dark Surfa	ice (S9) (LRF	R, MLRA	149B)	☐ 5 cm Mucky P	Peat or Peat (S3)) (LLR K, L, R)
	Hydrogen Sulfide (A4)		□ Lo	oamy Mucky N	/lineral (F1) (LRR K, L)		□ Dark Surface	(S7) (LRR K, L)	
	Stratified Layers (A5)		☐ Lo	oamy Gleyed I	Matrix (F2)			☐ Polyvalue Bel	ow Surface (S8)	(LRR K, L)
	Depleted Below Dark S	urface (A	.11) 🔲 D	epleted Matrix	(F3)			☐ Thin Dark Sur	rface (S9) (LRR	K, L)
\boxtimes -	Thick Dark Surface (A	12)	□R	edox Dark Su	rface (F6)			☐ Iron-Mangane	ese Masses (F12	2) (LRR K, L, R)
	Sandy Mucky Mineral (S1)	□ D	epleted Dark S	Surface (F7)			☐ Piedmont Floo	odplain Soils (F1	19) (MLRA 149B)
	Sandy Gleyed Matrix (S	64)	□R	edox Depress	ions (F8)			☐ Mesic Spodic	(TA6) (MLRA 14	44A, 145, 149B)
	Sandy Redox (S5)							☐ Red Parent M	laterial (F21)	
	Stripped Matrix (S6)								Dark Surface (TI	F12)
	Dark Surface (S7) (LRF	RR, MLR	A 149B)					☐ Other (Explain	n in Remarks)	
	of Hydrophytic vegetati	on and w	etland hydrology m	ust be present	, unless distu	irbed or pro	oblemation	D		
	Layer (if observed):									
Type:	:						H	ydric Soil Present?	? Yes ⊠	No 🗌
Depth	n (inches):									
Remarks: T	The sample site area	has lots	of cobbles and re	ocks (6 inche	es and large	r) on the	soil surf	ace.		

WETLAND DETERMINAT	「ION DATA FORM – Northce	entral and Northeast Region				
Project/Site: Hickory Hill Farms, Inc.	City/County: Village of Sussex/Waukes					
Applicant/Owner:		State: WI Sampling Point: 28				
Investigator(s): Chris Jors, Jen Dietl, and Shane Heyel: SEV	NRPC Section, Township, Range:	: SW Quarter, Section 21, T8N-R19E				
Landform (hillslope, terrace, etc.): slight hillslope	Local relief (concave, conv	• • • • —				
Subregion (LRR or MLRA): <u>LRR K</u>	Lat: Long:					
Soil Map Unit Name: <u>Lamartine silt loam (LmB)</u>	San	NWI classification: None				
Are climatic/hydrologic conditions on the site typical for this t		(If no, explain in Remarks)				
Are Vegetation_X_, Soil, or Hydrology significated Are Vegetation, Soil, or Hydrology naturall		nstances" present? Yes ☐ No ☒ n any answers in Remarks.)				
SUMMARY OF FINDINGS – Attach site map s	howing sampling point location	ons, transects, important features, etc.				
Hydrophytic Vegetation Present?		n ⊠ Yes □No				
Hydric Soils Present?	0	⊠ les ⊟No				
Wetland Hydrology Present? ☐ Yes ☐ No.		nd Cita ID: DCA 4				
Remarks: (Explain alternative procedures here or in a sepa	If yes, optional Wetlan					
disturbed vegetation due to farming.	arate report.) 90-day arriecedent pret	cipitation is normal. The sample site has significantly				
disturbed vegetation due to familing.						
HYDROLOGY						
Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is required; check all the	hat apply)	Surface Soil Cracks (B6)				
☐ Surface Water (A1)	☐ Water-Stained Leaves (B9)	☐ Drainage Patterns (B10)				
						
High Water Table (A2)						
Saturation (A3) Saturation (B3) Saturation (B3)	_	Dry-Season Water Table (C2)				
Water marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)				
☐ Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	ots (C3) Saturation Visible on Aerial Imagery (C9)				
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)				
Algal Mat or Crust (B4)						
□ Water marks (B1) □ □ Sediment Deposits (B2) □ □ Drift Deposits (B3) □ □ Algal Mat or Crust (B4) □ □ Iron Deposits (B5) □		Shallow Aquitard (D3)				
	Other (Explain in Remarks)	Microtopographic Relief (D4)				
Sparsely Vegetated Concave Surface (B8)		☐ FAC-Neutral Test (D5)				
Field Observations:						
	(inches):					
Water Table Present? Yes ⊠ No ☐ Depth	(inches): <u>24</u>					
·	(inches): <u>0 (surface)</u>	Wetland Hydrology Present? Yes ⊠ No □				
(includes capillary fringe)						
	uerial photos, previous inspections), if ava	ailable: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map				
(Exhibit 3), and Aerial Photos (Exhibit 4).						
	area. Drain tile work completed in ci	ose proximity to this sample site within the last 5 years				
(see Exhibit 14).						

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1	76 COVEL		Status	Number of Dominant Species
2				That are OBL, FACW, or FAC: <u>0</u> (A)
3				Total Number of Dominant
4	·			Species Across All Strata: <u>0</u> (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 0% (A/B)
7				Prevalence Index worksheet:
·· <u>—</u>	<u>0</u>	= Total Cove		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)	_	- Total Cove	,ı	OBL species x 1 =
1				FAC appaies x 2 =
2		_		FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A = Hydrophytic Vegetation Indicators:
7		<u></u>		Rapid Test for Hydrophytic Vegetation
Hards Otrastone (Blaterine Electrica)	<u>0</u>	= Total Cove	er	Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)		П		☐ Prevalence Index is ≤3.0¹☐ Morphological Adaptations¹ (Provide supporting
1				data in Remarks or on a separate sheet)
2				☐ Problematic Hydrophytic Vegetation¹ (Explain)
3				¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5				Definitions of Vanatation Courts
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12	-			of size, and woody plants less than 3.28 ft tall.
	<u>0</u>	= Total Cove	er	Weedy vines All weedy vines greater than 2.29 ft in
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in height
1				
2				
3				Hydrophytic
4				Vegetation
	<u>0</u>	= Total Cove	er	Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet. exhibits wetland hydrology indicators and has a hydric shydrophytic vegetation. Atypical (farmed) wetland.		-		

	Frome Des		o trie de	An needed to docul			mini the a	bsence of indicators.)	
17-27 10 YR 2/1 100								_	
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains Thickosic (A10) (LR K, L, MLRA 149B) Dark Surface (A10) (LR K, L, L, R) Dark Surface (A10) (LLR K, L, R) Dark Surface (A11) Depleted Matrix (F2) Dark Surface (A11) Depleted Matrix (F2) Dark Surface (A11) Depleted Matrix (F2) Dark Surface (A12) Redox Dark Surface (F6) Depleted Dark Surface (F7) Piedmont Floodplain Soils (F12) (LRR K, L, R) Piedmont Floodplain Soils (F12) (LRR K, L, R) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Redox (S5) Red Parent Material (F21) Dark Surface (S7) (LRR R, MLRA 149B) Indicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type:	(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains **Jocation: PL=Pore Lining, M=Matrix **Hydric Soil Indicators:	0-17	10YR 2/1	100			. <u> </u>	-	Silt loam	
Hydric Soil Indicators: Histosol (A1)	17-27	5Y 5/2	85	10YR 5/6	15	С	PL M	Clay loam	
Hydric Soil Indicators: Histosol (A1)					_	. <u></u>			
Hydric Soil Indicators: Histosol (A1)									
Hydric Soil Indicators: Histosol (A1)									
Hydric Soil Indicators: Histosol (A1)								-	
Hydric Soil Indicators: Histosol (A1)				'					
Hydric Soil Indicators: Histosol (A1)									
Hydric Soil Indicators: Histosol (A1)									
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Hydric Soil Indicators: Histosol (A1)							-		
Hydric Soil Indicators: Histosol (A1)									
Histosol (A1)			letion, RN	/I=Reduced Matrix, M	1S= Masked S	Sand Grains			
Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LLR K, L, R) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LLR K, L, R) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR K, L) Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Loamy Gleyed Matrix (F2) Polyvalue Below Surface (S8) (LRR K, L) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thin Dark Surface (S9) (LRR K, L) Thick Dark Surface (A12) Redox Dark Surface (F6) Iron-Manganese Masses (F12) (LRR K, L, R) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Gleyed Matrix (S4) Redox Depressions (F8) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Stripped Matrix (S6) Red Parent Material (F21) Very Shallow Dark Surface (TF12) Dark Surface (S7) (LRR R, MLRA 149B) Other (Explain in Remarks) Indicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Hydric Soil Present? Yes ⊠ No □ Restrictive Layer (if observed): Type: Hydric Soil Present? Yes ⊠ No □	-					0			
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☐ Hydrogen Sulfide (A4) ☐ Loamy Mucky Mineral (F1) (LRR K, L) ☐ Dark Surface (S7) (LRR K, L) ☐ Stratified Layers (A5) ☐ Loamy Gleyed Matrix (F2) ☐ Polyvalue Below Surface (S8) (LRR K, L) ☐ Depleted Below Dark Surface (A11) ☐ Depleted Matrix (F3) ☐ Thin Dark Surface (S9) (LRR K, L) ☐ Thick Dark Surface (A12) ☐ Redox Dark Surface (F6) ☐ Iron-Manganese Masses (F12) (LRR K, L, R) ☐ Sandy Mucky Mineral (S1) ☐ Depleted Dark Surface (F7) ☐ Piedmont Floodplain Soils (F19) (MLRA 149B) ☐ Sandy Gleyed Matrix (S4) ☐ Redox Depressions (F8) ☐ Mesic Spodic (TA6) (MLRA 144A, 145, 149B) ☐ Stripped Matrix (S6) ☐ Nedox Depressions (F8) ☐ Very Shallow Dark Surface (TF12) ☐ Dark Surface (S7) (LRR R, MLRA 149B) ☐ Other (Explain in Remarks) Indicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes ☑ No ☐				Пт		,	D D MI D /		
☐ Stratified Layers (A5) ☐ Loamy Gleyed Matrix (F2) ☐ Polyvalue Below Surface (S8) (LRR K, L) ☐ Depleted Below Dark Surface (A11) ☐ Depleted Matrix (F3) ☐ Thin Dark Surface (S9) (LRR K, L) ☐ Thick Dark Surface (A12) ☐ Redox Dark Surface (F6) ☐ Iron-Manganese Masses (F12) (LRR K, L, R) ☐ Sandy Mucky Mineral (S1) ☐ Depleted Dark Surface (F7) ☐ Piedmont Floodplain Soils (F19) (MLRA 149B) ☐ Sandy Gleyed Matrix (S4) ☐ Redox Depressions (F8) ☐ Mesic Spodic (TA6) (MLRA 144A, 145, 149B) ☐ Sandy Redox (S5) ☐ Red Parent Material (F21) ☐ Dark Surface (S7) (LRR R, MLRA 149B) ☐ Other (Explain in Remarks) Hydric Soil Present? Yes ☐ No ☐ Hydric Soil Present? Yes ☐ No ☐									
□ Depleted Below Dark Surface (A11) □ Depleted Matrix (F3) □ Thin Dark Surface (S9) (LRR K, L) □ Thick Dark Surface (A12) □ Redox Dark Surface (F6) □ Iron-Manganese Masses (F12) (LRR K, L, R) □ Sandy Mucky Mineral (S1) □ Depleted Dark Surface (F7) □ Piedmont Floodplain Soils (F19) (MLRA 149B) □ Sandy Gleyed Matrix (S4) □ Redox Depressions (F8) □ Mesic Spodic (TA6) (MLRA 144A, 145, 149B) □ Sandy Redox (S5) □ Red Parent Material (F21) □ Very Shallow Dark Surface (TF12) □ Dark Surface (S7) (LRR R, MLRA 149B) □ Other (Explain in Remarks) Indicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes ☑ No □							(=:::::::; =)		
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□ Dark Surface (S7) (LRR R, MLRA 149B) □ Other (Explain in Remarks) Indicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): □ Type: □ □ □ □ Depth (inches): □ □ □									
Indicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches):			R R, MLI	RA 149B)					
Restrictive Layer (if observed): Type: Hydric Soil Present? Yes 🖂 No 🗌 Depth (inches):		` ',	,	,				_	,
Type: Hydric Soil Present? Yes 🗵 No 🗌 Depth (inches):				vetland hydrology mu	ust be presen	t, unless dist	urbed or pr	oblematic.	
Depth (inches):			:						
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WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: 5-7-2019 Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 29 Applicant/Owner: __ State: WI Investigator(s): Chris Jors, Shane Heyel, and Zofia Noe: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): hillslope Local relief (concave, convex, none): linear Slope (%): 2-6% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Dodge silt loam (DdB) NWI classification: None Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? ⊠No ☐Yes ⊠No within a Wetland? ☐ Yes ⊠Yes □No Hydric Soils Present? ⊠No Wetland Hydrology Present? □Yes If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) ☐ Surface Water (A1) ☐ Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) ☐ Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) П ☐ Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) ☐ Presence of Reduced Iron (C4) Drift Deposits (B3) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) \Box Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) **Field Observations:** Surface Water Present? Yes No 🖂 Depth (inches): _ Water Table Present? Yes 🛛 No 🗌 Depth (inches): 28 Saturation Present? Yes 🛛 No 🗌 Depth (inches): 20 Wetland Hydrology Present? Yes No 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4). Remarks: Recent Iron Reduction in Tilled Soils (C6) indicator not checked since the timing and the depth of the last tillage could not be determined. Drain tile work completed in close proximity to this sample site within the last 5 years (see Exhibit 14). No wetland hydrology indicators observed.

Tree Stratum (Plot size: 30' radius)	Absolute <u>% Cover</u>	Dominant Species?	Indicator Status	Dominance Test worksheet:
1	76 COVEL		Status	Number of Dominant Species
2				That are OBL, FACW, or FAC: 1 (A)
3				Total Number of Dominant
				Species Across All Strata: 2 (B)
4				
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 50% (A/B)
6				
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	r	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
	<u>0</u>	= Total Cove	r	Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5' radius)	_		-	☐ Dominance Test is >50% ☐ Prevalence Index is ≤3.0¹
1. Taraxacum officinale	<u>2</u>	\boxtimes	FACU	☐ Morphological Adaptations¹ (Provide supporting
2. Ranunculus sceleratus	<u> </u>	\boxtimes	OBL	data in Remarks or on a separate sheet)
	-			☐ Problematic Hydrophytic Vegetation¹ (Explain)
3				¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5				Definitions of Vegetation Strate.
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>3</u>	= Total Cove	er	
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in height
1				neight
2				
3				
4				Hydrophytic Vegetation
4			_	Present? Yes □ No ☒
Remarks: (include photo number here or on a separate sheet.	0 Agricultur	= Total Cove	<u> </u>	
remarks. (include prioto number here of on a separate sheet.	Agriculture	ai iiciu.		

Matrix r (moist)	10YR 5/4 10YR 5/6 10YR 5/6 10YR 4/6	Matrix, M	7 20 25 S= Masked S	Type¹ C C C C	M M M M	Silt loar Silty cla Silty cla Silt loar Sandy I	ny loam ny loam	with grit	emarks	
1 100 1 93 2 80 1 80 75 tion, D=Depletion, rs: A1) bedon (A2) ic (A3) Sulfide (A4)	10YR 5/4 10YR 5/6 10YR 5/6 10YR 4/6	Matrix, M	7 20 20 25	C C C C	M M M	Silty cla Silty cla Silt loar Sandy I	n ıy loam ıy loam n		emarks	
1 93 2 80 1 80 1 80 75 tion, D=Depletion, rs: A1) bedon (A2) ic (A3) Sulfide (A4)	10YR 5/4 10YR 5/6 10YR 5/6 10YR 4/6		20 20 25	C C C	M M	Silty cla Silty cla Silt loar Sandy I	ny loam ny loam	with grit		
2 80 1 80 75 tition, D=Depletion, rs: A1) bedon (A2) ic (A3) Sulfide (A4)	10YR 5/6 10YR 5/6 10YR 4/6		20 20 25	C C C	M M	Silty cla Silt loar Sandy I	y loam n	with grit		
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rs: A1) pedon (A2) ic (A3) Sulfide (A4)	RM=Reduced N		S= Masked S	and Grains						
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rs: A1) pedon (A2) ic (A3) Sulfide (A4)						^{2}L	ocation: PL=Pore	Lining, M=Matri	X	
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ic (A3) Sulfide (A4)			lyvalue Below		3) (LRR R,			10) (LRR K, L,		
Sulfide (A4)		☐ Thi	MLRA 149E in Dark Surfa	,	R MIRA	149R)		Redox (A16) (L Peat or Peat (S3		
avers (A5)			amy Mucky M			1400)		(S7) (LRR K, L)		., _,,
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eyed Matrix (S4)							☐ Mesic Spodic	(TA6) (MLRA 1		
									TT40)	
	ILRA 149B)								F12)	
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	d wetland hydro	ology mus	st be present,	unless distu	rbed or pro	blematic				
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						t				
		acky Mineral (S1) eyed Matrix (S4) dox (S5) Matrix (S6) ace (S7) (LRR R, MLRA 149B) hytic vegetation and wetland hydro observed):	icky Mineral (S1) Decycle Matrix (S4) Redox (S5) Matrix (S6) ace (S7) (LRR R, MLRA 149B) hytic vegetation and wetland hydrology multiple observed):	cky Mineral (S1) Depleted Dark Seyed Matrix (S4) Redox Depression (S5) Matrix (S6) acce (S7) (LRR R, MLRA 149B) hytic vegetation and wetland hydrology must be present, observed):	icky Mineral (S1) Depleted Dark Surface (F7) eyed Matrix (S4) Redox Depressions (F8) dox (S5) Matrix (S6) ace (S7) (LRR R, MLRA 149B) hytic vegetation and wetland hydrology must be present, unless disturble observed):	Depleted Dark Surface (F7) eyed Matrix (S4) dox (S5) Matrix (S6) ace (S7) (LRR R, MLRA 149B) hytic vegetation and wetland hydrology must be present, unless disturbed or profobserved):	Depleted Dark Surface (F7) Redox Depressions (F8) dox (S5) Matrix (S6) ace (S7) (LRR R, MLRA 149B) hytic vegetation and wetland hydrology must be present, unless disturbed or problematic observed):	cky Mineral (S1) Depleted Dark Surface (F7) Piedmont Floreyed Matrix (S4) Redox Depressions (F8) Mesic Spodic (S5) Red Parent Metrix (S6) Very Shallow (S7) (LRR R, MLRA 149B) Other (Explain hytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Hydric Soil Present	Icky Mineral (S1) Depleted Dark Surface (F7) Piedmont Floodplain Soils (Figure Matrix (S4) Redox Depressions (F8) Mesic Spodic (TA6) (MLRA 1 dox (S5) Red Parent Material (F21) Very Shallow Dark Surface (Tax (S6) Other (Explain in Remarks) Apric vegetation and wetland hydrology must be present, unless disturbed or problematic. Other (Explain in Remarks) Hydric Soil Present? Yes	Icky Mineral (S1) Depleted Dark Surface (F7) Piedmont Floodplain Soils (F19) (MLR eyed Matrix (S4) Redox Depressions (F8) Mesic Spodic (TA6) (MLRA 144A, 145) Redox (S5) Red Parent Material (F21) Very Shallow Dark Surface (TF12) ace (S7) (LRR R, MLRA 149B) Other (Explain in Remarks) hytic vegetation and wetland hydrology must be present, unless disturbed or problematic. hydric Soil Present? Yes No

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: <u>5-13-2019</u> Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 30 Applicant/Owner: __ State: WI Investigator(s): Chris Jors, Shane Heyel, and Zofia Noe: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): hillslope Local relief (concave, convex, none): linear Slope (%): 0-2% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Pella silt loam (Ph) NWI classification: None Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? ⊠No □Yes ⊠No within a Wetland? ☐ Yes ⊠Yes □No Hydric Soils Present? ⊠No Wetland Hydrology Present? □Yes If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) П П ☐ Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) ☐ Presence of Reduced Iron (C4) Drift Deposits (B3) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) \Box FAC-Neutral Test (D5) **Field Observations:** Surface Water Present? Yes No 🖂 Depth (inches): _ Water Table Present? Yes \boxtimes Depth (inches): _ No Saturation Present? Yes No 🖂 Depth (inches): Wetland Hydrology Present? Yes No 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4). Remarks: Drain tile work completed in close proximity to this sample site within the last 5 years (see Exhibit 14). No wetland hydrology indicators observed.

Tree Stratum (Plot size: 30' radius)	Absolute <u>% Cover</u>	Dominant Species?	Indicator Status	Dominance Test worksheet:
1	70 COVEL		Status	Number of Dominant Species
				That are OBL, FACW, or FAC: 0 (A)
2				
3				Total Number of Dominant Species Across All Strata: 0 (B)
4				
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 0% (A/B)
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
				Hydrophytic Vegetation Indicators:
7				Rapid Test for Hydrophytic Vegetation
	<u>0</u>	= Total Cove	er	Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)				☐ Prevalence Index is ≤3.0¹☐ Morphological Adaptations¹ (Provide supporting
1				data in Remarks or on a separate sheet)
2				☐ Problematic Hydrophytic Vegetation¹ (Explain)
3				¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5				
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9		П		Continued have been placed to an Air DDII
10				Sapling/shrub – Woody plants less than 3in. DBH and greater than 3.28 ft (1 m) tall.
11				
				Herb – All herbaceous (non-woody) plants, regardless
12		_		of size, and woody plants less than 3.28 ft tall.
	<u>0</u>	= Total Cove	er F	Woody vines - All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30' radius)				height
1				
2		<u> </u>		
3				Hydrophytic
4				Vegetation No. 7
	<u>0</u>	= Total Cove		Present? Yes ☐ No ☒
Remarks: (include photo number here or on a separate sheet.) No live ve	getation - only	stubble fro	om last year's corn crop. Agricultural field.

Profile Des	scription: (Describe t	o the dep	th needed to docu	ment the indi	cator or cor	nfirm the a	bsence of indicators.)		
Depth	Matrix			Redox Feat	ures		_		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Re	emarks
-6	10YR 2/1	100					Silt loam		
i-11	2.5Y 2.5/1	100	. 				Silt loam		
1-15	2.5Y 2.5/1	97	10YR 3/4	3	С	M	Silty clay loam		
5-25	10YR 5/1	95	10YR 5/6	5	С	PL M	Clay loam		
			· <u></u>						
							2		
	Concentration, D=Deplied Indicators:	etion, RM	=Reduced Matrix, N	/IS= Masked S	and Grains		² Location: PL=Pore L		
-	Histosol (A1)		□ P	olyvalue Belov	v Surface (S	8) (LRR R.		10) (LRR K, L, l	
	Histic Epipedon (A2)		_	MLRA 149	•	, (,		Redox (A16) (L	
	Black Histic (A3)			hin Dark Surfa				eat or Peat (S3	
	Hydrogen Sulfide (A4)			oamy Mucky M	. , ,	LRR K, L)		(S7) (LRR K, L)	
	Stratified Layers (A5) Depleted Below Dark S	Surface (A		oamy Gleyed Nepleted Matrix				ow Surface (S8) face (S9) (LRR	
	Thick Dark Surface (A			edox Dark Sur					2) (LRR K, L, R)
	Sandy Mucky Mineral			epleted Dark S					19) (MLRA 149B
	Sandy Gleyed Matrix (S4)	□ R	edox Depressi	ions (F8)				44A, 145, 149B)
	Sandy Redox (S5) Stripped Matrix (S6)						☐ Red Parent Ma	ateriai (FZ1) Dark Surface (T	F12)
	Dark Surface (S7) (LR	R R, MLF	RA 149B)				Other (Explain		,
	of Hydrophytic vegeta		vetland hydrology m	ust be present	, unless dist	urbed or pro	oblematic.		
	Layer (if observed)	:					Uvdria Cail Draggert?	Vaa M	No. 🗆
, ,	· h (inches):						Hydric Soil Present?	Yes ⊠	No 🗌
Remarks:									

WETLAND DETERMINAT	TION DATA FORM – Northco	entral and Northeast F	Region				
Project/Site: Hickory Hill Farms, Inc.	City/County: Village of Sussex/Waukes	sha County	Sampling Date: <u>5-13-2019</u>				
Applicant/Owner:		State: WI	Sampling Point: 31				
Investigator(s): Chris Jors, Shane Heyel, and Zofia Noe: SE		: SW Quarter, Section 21, T8N-					
Landform (hillslope, terrace, etc.): slight hillslope	Local relief (concave, conv	• —	Slope (%): <u>0-2%</u>				
Subregion (LRR or MLRA): LRR K	Lat: Long: _						
Soil Map Unit Name: Pella silt loam (Ph)	time of year? Yes ⊠ No □		ification: None				
Are climatic/hydrologic conditions on the site typical for this t Are Vegetation X, Soil, or Hydrology signification.		(If no, explain in Remarks) mstances" present? Yes □	No 🛚				
Are Vegetation, Soil, or Hydrology naturall		any answers in Remarks.)	No 🖂				
			t foot:				
SUMMARY OF FINDINGS – Attach site map s	snowing sampling point location	ons, transects, importan	t reatures, etc.				
	la tha Camada d Ama						
Hydrophytic Vegetation Present?		ı ⊠ Yes	□No				
Hydric Soils Present? Wetland Hydrology Present? Yes □N Yes □N	10	△ .55					
welland rightlology Fresent:	If yes, optional Wetla	nd Site ID: PCA 4					
Remarks: (Explain alternative procedures here or in a sep-	-		has significantly disturbed				
vegetation due to farming.	variate reports, see day amosedent pro-	sipilation io normai. The olic	riad digrimodritry diotarbod				
HYDROLOGY							
Wetland Hydrology Indicators:		Secondary Indicate	ors (minimum of two required)				
Primary Indicators (minimum of one is required; check all the	hat apply)	☐ Surface Soil (Surface Soil Cracks (B6)				
Curface Water (A1)	Water Steined Leaves (P0)	• •					
	Water-Stained Leaves (B9) The stained Leaves (B9)						
	Aquatic Fauna (B13)						
	Marl Deposits (B15)						
☐ Water marks (B1)	☐ Hydrogen Sulfide Odor (C1)	ulfide Odor (C1) Crayfish Burrows (C8)					
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro						
Drift Deposits (B3)	Presence of Reduced Iron (C4)	<u> </u>					
☐ Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils						
□ Water marks (B1) □ Sediment Deposits (B2) □ Drift Deposits (B3) □ Algal Mat or Crust (B4) □ Iron Deposits (B5)							
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	<u>—</u>					
☐ Sparsely Vegetated Concave Surface (B8)	<u> </u>	☐ FAC-Neutral	Test (D5)				
Field Observations:							
	(inches):						
Water Table Present? Yes ⊠ No ☐ Depth	(inches): <u>20</u>						
	(inches): 0 (at surface)	Wetland Hydrology Present?	Yes⊠ No □				
(includes capillary fringe)		,					
Describe Recorded Data (stream gauge, monitoring well, a	aerial photos, previous inspections), if av	ailable: Topo Map (Exhibit 1), V	/WI Map (Exhibit 2), Soils Map				
(Exhibit 3), and Aerial Photos (Exhibit 4).							
Remarks: Surface water of up to an inch in depth wa	is observed near the sample plot. Di	ain tile work completed in cit	ose proximity to this				
sample site within the last 5 years (see Exhibit 14).							

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1	76 COVEL		Status	Number of Dominant Species
2				That are OBL, FACW, or FAC: <u>0</u> (A)
3				Total Number of Dominant
4				Species Across All Strata: <u>0</u> (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 0% (A/B)
7	<u> </u>			Prevalence Index worksheet:
··· <u></u>	<u>0</u>	= Total Cove		
Conling/Chruh Stratum / Plot size: 20' radius)	_	= 10tal 00ve	ž1	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2		_		FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A = Hydrophytic Vegetation Indicators:
7				Rapid Test for Hydrophytic Vegetation
	<u>0</u>	= Total Cove	er	Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)				☐ Prevalence Index is ≤3.0¹☐ Morphological Adaptations¹ (Provide supporting
1				data in Remarks or on a separate sheet)
2				☐ Problematic Hydrophytic Vegetation¹ (Explain)
3				¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5				
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>0</u>	= Total Cove	er	Weedy vines All weedy vines greater than 2.29 ft in
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in height
1				
2				
3				Hydrophytic
4				Vegetation
	<u>0</u>	= Total Cove	er	Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet, stubble was present. The site exhibited wetland hydrolog with significantly disturbed hydrophytic vegetation. Atyp	gy indicato	rs and had a h		

OIL	aarintian. (Daaarika	40 4b0 don	th wooded to dec			nfirm the e	hoomes of indicators)	Sampling Point: 31	
		to the dep	th needed to docur			niiriii the a	bsence of indicators.)		
Depth	Matrix	0/	0.1(Redox Feat		12		Danasila	
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
5	N 2.5/	100					Silt loam		
10	N 2.5/	100					Silty clay loam		
)-14	N 2.5/	97	10YR 4/6	3	C	M	Clay loam		
1-19	2.5Y 5/1	88	5GY 5/1		D	M	Clay loam		
	· -		10YR 4/6	5	C	M	· 		
9-24	5Y 5/2	83	5GY 5/1	10	D	M	Clay loam		
			10YR 4/6	7	C	M	· 		
							· 		
	-								
	-								
	· ·						· -		
							· ·-		
vne: C-	Concentration, D=Dep	oletion PM	-Peduced Matrix M	IS- Mackad S	and Grains		² Location: PL=Pore Li	ining M-Matrix	
	il Indicators:	DIEUOH, KIV	=Reduced Matrix, IV	io= iviaskeu o	and Grains		Indicators for Problem		
	Histosol (A1)		☐ Po	olyvalue Belov	w Surface (S	88) (LRR R,	2 cm Muck (A1	0) (LRR K, L, MLRA 14	
	Histic Epipedon (A2)			MLRA 149	,			Redox (A16) (LLR K, L, I	
	Black Histic (A3)			nin Dark Surfa				eat or Peat (S3) (LLR K,	, L, R)
	Hydrogen Sulfide (A4)		amy Mucky N		(LRR K, L)	☐ Dark Surface (S		
	Stratified Layers (A5)	Cf (A		amy Gleyed I				w Surface (S8) (LRR K,	, L)
	Depleted Below Dark Thick Dark Surface (epleted Matrix edox Dark Sui				ace (S9) (LRR K, L) se Masses (F12) (LRR K	K I D
	Sandy Mucky Mineral			epleted Dark Sui				dplain Soils (F19) (MLR	
	Sandy Gleyed Matrix			edox Depress				TA6) (MLRA 144A, 145	
	Sandy Redox (S5)	(-)	_		- (-,		☐ Red Parent Ma		, -
	Stripped Matrix (S6)						Very Shallow D	Oark Surface (TF12)	
	Dark Surface (S7) (LF	RR R, MLR	A 149B)				☐ Other (Explain	in Remarks)	
adiaatara	of Hydrophytic vegeta	stion and u	estland budralagu mu	et ha procent	unlana diat	urbad ar pr	ahlamatia		
	e Layer (if observed)		reliand hydrology mic	ist be present	., uriless dist	urbed or pro	oblematic.		
	:	,.					Hydric Soil Present?	Yes⊠ No □	٦
	h (inches):						Tryunc Son Fresent:	ies 🖂 No 🗀	_
emarks:									
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,									

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: <u>5-13-2019</u> Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 32 Applicant/Owner: __ State: WI Investigator(s): Chris Jors, Shane Heyel, and Zofia Noe: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): slight hillslope Local relief (concave, convex, none): linear Slope (%): 0-2% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Palms muck (Pa) NWI classification: None Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? ⊠No ☐Yes ⊠No within a Wetland? ☐ Yes ⊠Yes □No Hydric Soils Present? ⊠No Wetland Hydrology Present? □Yes If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) П П ☐ Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) \boxtimes Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) ☐ Presence of Reduced Iron (C4) Drift Deposits (B3) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) \Box Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) **Field Observations:** Surface Water Present? Yes No 🖂 Depth (inches): _ Water Table Present? Yes 🖂 No 🗌 Depth (inches): 25 Saturation Present? Yes 🛛 No 🗌 Depth (inches): 21 Wetland Hydrology Present? Yes No 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), Aerial Photos (Exhibit 4), and NAIP/FSA Images (Exhibit 12). Remarks: NAIP/FSA image review found the sample site area exhibited wetness signatures in 10 out of 10 (100%) images taken with normal antecedent precipitation. Drain tile work completed in close proximity to this sample site within the last 5 years (see Exhibit 14). Only one secondary wetland hydrology indicator observed.

Tree Stratum (Plot size: 30' radius)	Absolute <u>% Cover</u>	Dominant Species?	Indicator Status	Dominance Test worksheet:
1			<u> </u>	Number of Dominant Species
2				That are OBL, FACW, or FAC: 0 (A)
3			<u>——</u>	Total Number of Dominant
4			<u>——</u>	Species Across All Strata: <u>0</u> (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 0% (A/B)
7				Prevalence Index worksheet:
·	<u>0</u>			
	<u> </u>	= Total Cove	Γ	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation
	<u>0</u>	= Total Cove	r	Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)				☐ Prevalence Index is ≤3.0¹
1				☐ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
2				☐ Problematic Hydrophytic Vegetation¹ (Explain)
3				
4				Indicators of hydric soil and wetland hydrology must Be present, unless disturbed or problematic.
5				be present, unless disturbed of problematic.
6				Definitions of Vegetation Strata:
				- W. J. J. S. (7.0.)
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height
8				
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb - All herbaceous (non-woody) plants, regardless
12		Ц		of size, and woody plants less than 3.28 ft tall.
	<u>0</u>	= Total Cove	r	Woody vines – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30' radius)				height
1				
2				
3				Hydrophytic
4				Vegetation
	<u>0</u>	= Total Cove	r	Present? Yes ☐ No ☒
Remarks: (include photo number here or on a separate sheet.) Last seas	on's corn (Zea	mays) stub	oble is present. Agricultural field with no live
vegetation present.				

Don't Don't		411	(b d d d			Come the e	harman at tradications N	Sampling Foliti. <u>32</u>
Profile Des	scription: (Describe to	tne dep	tn needed to doct			ifirm the a	bsence of indicators.)	
Depth	Matrix			Redox Feat	ures		_	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-14	N 2.5/	100					Silt loam	
14-26	5Y 5/2	98	10YR 4/6	2	C	M	Clay loam	
			-					
						-		
			-					
						-		
						-		
	-							
¹Tvpe: C=0	Concentration, D=Depl	etion. RM	=Reduced Matrix.	MS= Masked S	Sand Grains		² Location: PL=Pore L	ining, M=Matrix
	il Indicators:						Indicators for Proble	
-	Histosol (A1)		☐ F	Polyvalue Belov	w Surface (St	B) (LRR R,	2 cm Muck (A1	10) (LRR K, L, MLRA 149B)
	Histic Epipedon (A2)			MLRA 149	,			Redox (A16) (LLR K, L, R)
	Black Histic (A3)			Γhin Dark Surfa				eat or Peat (S3) (LLR K, L, R)
	Hydrogen Sulfide (A4)			_oamy Mucky N		LRR K, L)		(S7) (LRR K, L)
	Stratified Layers (A5)	·fa.a.a. (/		oamy Gleyed	, ,		•	ow Surface (S8) (LRR K, L)
	Depleted Below Dark S Thick Dark Surface (A			Depleted Matrix Redox Dark Su				face (S9) (LRR K, L) se Masses (F12) (LRR K, L, R)
	Sandy Mucky Mineral (Depleted Dark			_	dplain Soils (F19) (MLRA 149B)
	Sandy Gleyed Matrix (Redox Depress				(TA6) (MLRA 144A, 145, 149B)
	Sandy Redox (S5)	,		·	` '		Red Parent Ma	
	Stripped Matrix (S6)							Dark Surface (TF12)
	Dark Surface (S7) (LRI	R R, MLR	A 149B)				☐ Other (Explain	in Remarks)
31	-f				بالمالم ممالية		-h-l	
	of Hydrophytic vegetate Layer (if observed):		etiand nydrology ir	iust be present	i, uniess distu	irbea or pro	oblematic.	
	:						Hydric Soil Present?	Yes⊠ No □
	 h (inches):						nyunc son Fresent?	res 🖂 🛮 NO 🗀
Remarks:								
rtomanto.								

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: <u>5-13-2019</u> Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 33 Applicant/Owner: __ State: WI Investigator(s): Chris Jors, Shane Heyel, and Zofia Noe: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): slight hillslope Local relief (concave, convex, none): linear Slope (%): 0-2% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Palms muck (Pa) NWI classification: None Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_X_, Soil____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes 🗌 No 🛛 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? □No ⊠Yes within a Wetland? □No □No Hydric Soils Present? ⊠Yes □No Wetland Hydrology Present? ⊠Yes If yes, optional Wetland Site ID: PCA 4 Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. Sample site has significantly disturbed vegetation due to farming. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) ☐ Surface Water (A1) Drainage Patterns (B10) High Water Table (A2) ☐ Aquatic Fauna (B13) Moss Trim Lines (B16) \boxtimes Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) П Water marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Oxidized Rhizospheres on Living Roots (C3) Sediment Deposits (B2) \boxtimes Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) П Recent Iron Reduction in Tilled Soils (C6) Algal Mat or Crust (B4) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Other (Explain in Remarks) Inundation Visible on Aerial Imagery (B7) Microtopographic Relief (D4) \Box Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) **Field Observations:** Surface Water Present? Yes No 🛛 Depth (inches): Water Table Present? Yes 🛚 No 🗌 Depth (inches): 29 Saturation Present? Yes 🖂 No \square Depth (inches): 0 (at surface) Wetland Hydrology Present? Yes 🖂 No \square (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4). Remarks: NAIP/FSA image review found the sample site area exhibited wetness signature on 10 out 10 (100%) images taken with normal antecedent precipitation. Drain tile work completed in close proximity to this sample site within the last 5 years (see Exhibit 14).

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1	76 COVEL		Status	Number of Dominant Species
2				That are OBL, FACW, or FAC: 0 (A)
3				Total Number of Dominant
4				Species Across All Strata: <u>0</u> (B)
5				
6				Percent of Dominant Species That Are OBL, FACW, or FAC: 0% (A/B)
				Prevalence Index worksheet:
7				
	<u>0</u>	= Total Cove	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
	<u>0</u>	= Total Cove	er	Rapid Test for Hydrophytic Vegetation Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)				Prevalence Index is ≤3.0¹
1				Morphological Adaptations¹ (Provide supporting
2				data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain)
3				
4				Indicators of hydric soil and wetland hydrology must Page property upless disturbed or problematic.
5				Be present, unless disturbed or problematic.
				Definitions of Vegetation Strata:
6				
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>0</u>	= Total Cove	er	Woody vines – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30' radius)				height
1				
2				
3				Hydrophytic
4				Vegetation
	<u>0</u>	= Total Cove	er	Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet, stubble present. The site exhibits wetland hydrology included significantly disturbed hydrophytic vegetation. Atypical (licators and	has a hydric s		

Profile Des		o the dep	oth needed to docu			nfirm the a	bsence of indicators.)		
Depth	Matrix			Redox Featu			_		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		emarks
14	N 2.5/	100					Silt loam	with traces of	dolomite
1-28	5Y 5/2	85	10YR 4/6	5	C	M	Clay loam		
	N 2.5/	10							
3-33	2.5Y 5/2	97	10YR 4/6	3	С	M	Sandy loam		
						-			
						-			
							21		
	Concentration, D=Dep I Indicators:	ietion, RM	=Reduced Matrix, I	Masked S	and Grains		² Location: PL=Pore		
	Histosol (A1)		□ F	Polyvalue Below	v Surface (S	8) (LRR R.		(A10) (LRR K, L ,	
	Histic Epipedon (A2)		_	MLRA 149E		, ,		e Redox (A16) (L	
	Black Histic (A3)			Thin Dark Surface				Peat or Peat (S3	
	Hydrogen Sulfide (A4)			_oamy Mucky M		LRR K, L)		e (S7) (LRR K, L	
	Stratified Layers (A5) Depleted Below Dark	Surface (/		_oamy Gleyed N Depleted Matrix				elow Surface (S8 urface (S9) (LRR	
	Thick Dark Surface (Redox Dark Sur				nese Masses (F1	
	Sandy Mucky Mineral			Depleted Dark S			☐ Piedmont FI	oodplain Soils (F	19) (MLRA 149
	Sandy Gleyed Matrix ((S4)	☐ F	Redox Depressi	ions (F8)			ic (TA6) (MLRA 1	44A, 145, 149E
	Sandy Redox (S5) Stripped Matrix (S6)							Material (F21) w Dark Surface (1	ΓF12)
	Dark Surface (S7) (LR	R R, MLF	RA 149B)					ain in Remarks)	
	of Hydrophytic vegeta		vetland hydrology m	nust be present,	, unless distu	urbed or pro	oblematic.		
estrictive :Type	Layer (if observed)	:					Uvdria Cail Brasan		No. 🗆
	· n (inches):						Hydric Soil Presen	it? Yes ⊠	No 🗌
emarks:	. (

WETLAND DETERMINAT	ION DATA FO	RM - Northce	entral and N	lortheast F	Region
	City/County: Village				Sampling Date: <u>5-13-2019</u> Sampling Point: <u>34</u>
Investigator(s): Chris Jors, Shane Heyel, and Zofia Noe: SEV Landform (hillslope, terrace, etc.): slight hillslope/footslope Subregion (LRR or MLRA): LRR K Soil Map Unit Name: Palms muck (Pa)		, Township, Range: elief (concave, conve Long:	ex, none): <u>linea</u>	<u>r</u> m:	-R19E Slope (%): <u>0-2%</u> sification: <u>None</u>
Are climatic/hydrologic conditions on the site typical for this tin Are Vegetation, Soil, or Hydrology significa Are Vegetation, Soil, or Hydrology naturally SUMMARY OF FINDINGS – Attach site map shape of the street of the site of the sit	ntly disturbed? problematic?	Yes ⊠ No □ Are "Normal Circum (If, needed, explain appoint locatio	any answers in	nt? Yes 🛛 Remarks.)	No □
Hydrophytic Vegetation Present?	ls wi	the Sampled Area ithin a Wetland?	<u> </u>	⊠ Yes	□No
Remarks: (Explain alternative procedures here or in a sepa		yes, optional Wetlar	·		
HYDROLOGY					
Wetland Hydrology Indicators:			Sec	condary Indicat	ors (minimum of two required)
Primary Indicators (minimum of one is required; check all the	at apply)		П	Surface Soil	Cracks (B6)
Surface Water (A1)] Water-Stained Le	eaves (B9)		Drainage Pat	, ,
High Water Table (A2)	Aquatic Fauna (B	` ,		Moss Trim Li	
Saturation (A3)				-	Water Table (C2)
Water marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	_			Crayfish Burr	
Sediment Deposits (B2)	_	heres on Living Roo		•	isible on Aerial Imagery (C9)
□ Drift Deposits (B3) □	_	_	` '	-	tressed Plants (D1)
Algal Mat or Crust (B4)	_	uction in Tilled Soils		Geomorphic	
☐ Iron Deposits (B5)	_	ce (C7)		Shallow Aqui	tard (D3)
Inundation Visible on Aerial Imagery (B7)	Other (Explain in	Remarks)		Microtopogra	phic Relief (D4)
□ Sparsely Vegetated Concave Surface (B8)	_			FAC-Neutral	Test (D5)
Field Observations:					· ·
Surface Water Present? Yes ☐ No ☒ Depth ((inches):				
Water Table Present? Yes ⊠ No □ Depth ((inches): 31				
Saturation Present? Yes ⊠ No ☐ Depth ((includes capillary fringe)	(inches): 0 (surface)	,	Wetland Hydro	logy Present?	Yes⊠ No □
Describe Recorded Data (stream gauge, monitoring well, as (Exhibit 3), and Aerial Photos (Exhibit 4).	erial photos, previous	s inspections), if ava	ailable: Topo Ma	ıp (Exhibit 1), V	VWI Map (Exhibit 2), Soils Map
Remarks: NAIP/FSA image review found the sample santecedent precipitation. Drain tile work completed in		•		. , .	

Tree Stratum (Plot size: 30' radius)	Absolute		Indicator	Dominance Test worksheet:
1	% Cover	Species? □	<u>Status</u>	
				Number of Dominant Species That are OBL, FACW, or FAC: 1 (A)
2				,
3				Total Number of Dominant Species Across All Strata: 1 (B)
4				
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)
6				
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	r	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2		П		FAC species x 3 =
3				FACU species x 4 =
4		П		UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
·· ·	<u>0</u>	= Total Cove		Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5' radius)	<u>-</u>	= Total Cove	•	Dominance Test is >50% Prevalence Index is ≤3.0¹
1. <u>Veronica peregrina</u>	<u>3</u>	\boxtimes	FAC	☐ Morphological Adaptations¹ (Provide supporting
	_		-710	data in Remarks or on a separate sheet)
2				☐ Problematic Hydrophytic Vegetation¹ (Explain)
3				¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5				Definitions of Manufaction Office
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9		П		Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>3</u>	= Total Cove	r	
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in
1				height
2				
2				
3				Hydrophytic Vegetation
4				Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet.	0 Atypical (f	= Total Cove		
Remarks. (include prioto number here of on a separate sheet.) Atypical (I	airrieu) wellari	u.	

OIL Profile De	scription: (Describe	to the dep	th needed to docum	ent the indic	cator or cor	nfirm the ab	osence of indicators.)	Sampling F	-0IIII. <u>54</u>
	Matrix			Redox Featu			· · · · · · · · · · · · · · · · · · ·		
Depth nches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	- Texture	F	Remarks
4	N 2.5/	100			71'		Silt loam		
·19	2.5Y 4/1	65	10YR 4/6	3		M	Clay loam		
	N 2.5/	22							
	10YR 3/3	10							
-31	5Y 5/2	95	10YR 4/6	5	C	M	Clay loam		
-32	5Y 5/2	95	10YR 4/6	5	С	M	Fine Sandy loam	_	
							· · · · · · · · · · · · · · · · · · ·	_	
								_	
	-							<u> </u>	
	-								
	-								
								_	
	Concentration, D=Dep	pletion, RN	I=Reduced Matrix, MS	S= Masked Sa	and Grains		² Location: PL=Po		
	il Indicators: Histosol (A1)		□ Pol	yvalue Below	v Surface (S	9\ /I DD D	Indicators for Pro	blematic Hydric (A10) (LRR K, L	
	Histic Epipedon (A2)			MLRA 149E		o) (LIXIX IX,		ie Redox (A16) (I	
	Black Histic (A3)		☐ Thi	n Dark Surfac	ce (S9) (LR I	R R, MLRA		y Peat or Peat (S	
	Hydrogen Sulfide (A4			amy Mucky M		(LRR K, L)		ce (S7) (LRR K, I	
	Stratified Layers (A5) Depleted Below Dark			amy Gleyed Noteled Matrix				Below Surface (S8 Burface (S9) (LRF	
	Thick Dark Surface			dox Dark Sur				nese Masses (F1	
	Sandy Mucky Minera			oleted Dark S				Floodplain Soils (F	
	Sandy Gleyed Matrix	(S4)	☐ Re	dox Depressi	ons (F8)			dic (TA6) (MLRA	144A, 145, 149E
	Sandy Redox (S5) Stripped Matrix (S6)							t Material (F21) ow Dark Surface ((TF12)
	Dark Surface (S7) (L	RR R. MLF	RA 149B)					lain in Remarks)	(1712)
_	· / ·	,	,				_	,	
	of Hydrophytic vegeta		etland hydrology mus	t be present,	, unless dist	urbed or pro	blematic.		
	e Layer (if observed):						10 Y M	
	: h (inches):						Hydric Soil Prese	nt? Yes ⊠	No 🗌
marks:	11 (IIIO1100)								
marks.									

WETLAND DETERMINATION DA	ATA FORM – Northce	entral and Northeast Region
Project/Site: <u>Hickory Hill Farms, Inc.</u> City/Cour Applicant/Owner:	ty: Village of Sussex/Waukes	Sha County State: WI Sampling Date: 5-13-2019 Sampling Point: 35
Investigator(s): Chris Jors, Shane Heyel, and Zofia Noe: SEWRPC Landform (hillslope, terrace, etc.): terrace Subregion (LRR or MLRA): LRR K Soil Map Unit Name: Pella silt loam (Ph)	Section, Township, Range Local relief (concave, conv Lat: Long:	
Are climatic/hydrologic conditions on the site typical for this time of yea Are Vegetation_X_, Soil, or Hydrology significantly disturl Are Vegetation, Soil, or Hydrology naturally problems SUMMARY OF FINDINGS – Attach site map showing	bed? Are "Normal Circur atic? (If, needed, explain	(If no, explain in Remarks) mstances" present? Yes □ No ☑ n any answers in Remarks.)
SOMMANT OF FINDINGS - Attach site map showing		ons, transects, important reatures, etc.
Hydrophytic Vegetation Present? ☑Yes □No Hydric Soils Present? ☑Yes □No Wetland Hydrology Present? ☑Yes □No	Is the Sampled Area within a Wetland?	a ⊠ Yes □No
Remarks: (Explain alternative procedures here or in a separate report	If yes, optional Wetla	
disturbed due to farming.		
HYDROLOGY		
Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)		☐ Surface Soil Cracks (B6)
☐ Surface Water (A1) ☐ Water-	Stained Leaves (B9)	Drainage Patterns (B10)
High Water Table (A2)	c Fauna (B13)	Moss Trim Lines (B16)
	eposits (B15)	Dry-Season Water Table (C2)
	gen Sulfide Odor (C1)	Crayfish Burrows (C8)
	ed Rhizospheres on Living Ro	
	nce of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
	t Iron Reduction in Tilled Soils	
	luck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)	(Explain in Remarks)	Microtopographic Relief (D4)
☐ Sparsely Vegetated Concave Surface (B8)	1	FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes No Depth (inches):		
Water Table Present? Yes ⊠ No ☐ Depth (inches):		
Saturation Present? Yes ⊠ No □ Depth (inches): (includes capillary fringe)	<u>(at surface)</u>	Wetland Hydrology Present? Yes ⊠ No □
Describe Recorded Data (stream gauge, monitoring well, aerial photo (Exhibit 3), and Aerial Photos (Exhibit 4).	s, previous inspections), if av	ailable: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Ma
Remarks: Drain tile work completed in close proximity to this s	ample site within the last 5	5 years (see Exhibit 14).

_			
Samp	lina	Daint	25
Sallib	III IU	r onn.	OU

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1	76 COVEL		Status	Number of Dominant Species
2				That are OBL, FACW, or FAC: <u>0</u> (A)
3	<u> </u>			Total Number of Dominant
4				Species Across All Strata: <u>0</u> (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 0% (A/B)
7	<u> </u>			Prevalence Index worksheet:
··· <u></u>	<u>0</u>	= Total Cove		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)	_	- Total Cove	,ı	OBL species x 1 =
1				FACW species x 2 =
2		_		FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A = Hydrophytic Vegetation Indicators:
7		<u></u>		Rapid Test for Hydrophytic Vegetation
Hards Otrastana (Blataina El andina)	<u>0</u>	= Total Cove	er	Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)		П		☐ Prevalence Index is ≤3.0¹☐ Morphological Adaptations¹ (Provide supporting
1				data in Remarks or on a separate sheet)
2				☐ Problematic Hydrophytic Vegetation¹ (Explain)
3				¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5				Definitions of Vanatation Courts
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>0</u>	= Total Cove	er	Weedy vines All weedy vines greater than 2.29 ft in
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in height
1				
2				
3				Hydrophytic
4				Vegetation
	<u>0</u>	= Total Cove	er	Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet, stubble present. The site exhibits indicators of wetland I significantly disturbed hydrophytic vegetation. Atypical (hydrology a	nd has a hydri		

	scription: (Describe t	o the dep	oth needed to doo	cument the indi	icator or cor	firm the a	bsence of indicators.)		
Depth	Matrix			Redox Feat			_		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Re	emarks
-3	10YR 2/1	100					Silt loam		
-13	10YR 2/1	100					Silty clay loam		
3-21	5Y 5/2	95	10YR 4/6	5	C	M	Clay loam		
1-31	5Y 5/1	83	5GY 5/1	10	D	M	Clay loam		
			10YR 4/6		C	M			
	· 								
	·								
							-		
	· ·					-			
	·						-		
	·						-		
Гуре: С=	Concentration, D=Dep	letion, RM	I=Reduced Matrix,	, MS= Masked S	Sand Grains		² Location: PL=Pore	Lining, M=Matri	x
lydric Soi	il Indicators:						Indicators for Proble	ematic Hydric S	Soils ³ :
	Histosol (A1)			Polyvalue Belov	,	B) (LRR R		10) (LRR K, L,	
	Histic Epipedon (A2) Black Histic (A3)			MLRA 149 Thin Dark Surfa	,	R MIRA		Redox (A16) (L Peat or Peat (S3	
	Hydrogen Sulfide (A4)	1		Loamy Mucky N				(S7) (LRR K, L)	
	Stratified Layers (A5)			Loamy Gleyed				ow Surface (S8	
	Depleted Below Dark			Depleted Matrix				rface (S9) (LRR	
	Thick Dark Surface (a Sandy Mucky Mineral			Redox Dark Su Depleted Dark					2) (LRR K, L, R) 19) (MLRA 149B)
	Sandy Gleyed Matrix (Redox Depress					44A, 145, 149B)
	Sandy Redox (S5)	(-)	_		(-)		☐ Red Parent M		, -, - ,
	Stripped Matrix (S6)							Dark Surface (7	F12)
	Dark Surface (S/) (I R	KKK, MLF	(A 149B)				☐ Other (Explai	n in Remarks)	
	Dark Surface (S7) (LR	,							
	of Hydrophytic vegeta		vetland hydrology	must be present	t, unless dist	ırbed or pr	oblematic.		
Indicators		tion and v	vetland hydrology	must be present	t, unless dist	ırbed or pr	oblematic.		
Indicators Restrictive Type	of Hydrophytic vegeta e Layer (if observed)	tion and v	vetland hydrology	must be present	t, unless dist	ırbed or pr	oblematic. Hydric Soil Present	? Yes ⊠	No 🗆
Indicators Restrictive Type Depti	of Hydrophytic vegeta e Layer (if observed)	tion and v	vetland hydrology	must be present	t, unless dist	urbed or pr		? Yes ⊠	No 🗆
Indicators Restrictive Type Depti	of Hydrophytic vegeta e Layer (if observed)	tion and v	vetland hydrology	must be present	t, unless dist	urbed or pr		? Yes ⊠	No 🗆
Indicators Restrictive Type Depti	of Hydrophytic vegeta e Layer (if observed)	tion and v	vetland hydrology	must be present	t, unless dist	urbed or pr		? Yes ⊠	No 🗆
Indicators Restrictive Type Depti	of Hydrophytic vegeta e Layer (if observed)	tion and v	vetland hydrology	must be present	t, unless distr	urbed or pr		? Yes ⊠	No 🗆
Indicators Restrictive Type Depti	of Hydrophytic vegeta e Layer (if observed)	tion and v	vetland hydrology	must be present	t, unless distr	urbed or pr		? Yes ⊠	No 🗆
Indicators Restrictive Type Depti	of Hydrophytic vegeta e Layer (if observed)	tion and v	vetland hydrology	must be present	t, unless dist	urbed or pr		? Yes ⊠	No 🗆
Indicators Restrictive Type Depti	of Hydrophytic vegeta e Layer (if observed)	tion and v	vetland hydrology	must be present	t, unless dist	urbed or pr		? Yes ⊠	No 🗆
ndicators estrictive Type Depti	of Hydrophytic vegeta e Layer (if observed)	tion and v	vetland hydrology	must be present	t, unless dist	urbed or pr		? Yes ⊠	No 🗆
Indicators Restrictive Type Depti	of Hydrophytic vegeta e Layer (if observed)	tion and v	vetland hydrology	must be present	t, unless dist	urbed or pr		? Yes ⊠	No 🗆
ndicators Restrictive Type Depti	of Hydrophytic vegeta e Layer (if observed)	tion and v	vetland hydrology	must be present	t, unless dist	urbed or pr		? Yes ⊠	No 🗆
Indicators Restrictive Type Depti	of Hydrophytic vegeta e Layer (if observed)	tion and v	vetland hydrology	must be present	t, unless dist	urbed or pr		? Yes ⊠	No 🗆
Indicators Restrictive Type Depti	of Hydrophytic vegeta e Layer (if observed)	tion and v	vetland hydrology	must be present	t, unless dist	urbed or pr		? Yes ⊠	No 🗆
Indicators Restrictive Type Depti	of Hydrophytic vegeta e Layer (if observed)	tion and v	vetland hydrology	must be present	t, unless distr	urbed or pr		? Yes ⊠	No 🗆
Indicators Restrictive Type Depti	of Hydrophytic vegeta e Layer (if observed)	tion and v	vetland hydrology	must be present	t, unless dist	urbed or pr		? Yes ⊠	No 🗆
Indicators Restrictive Type Depti	of Hydrophytic vegeta e Layer (if observed)	tion and v	vetland hydrology	must be present	t, unless dist	urbed or pr		? Yes ⊠	No
Indicators Restrictive Type Depti	of Hydrophytic vegeta e Layer (if observed)	tion and v	vetland hydrology	must be present	t, unless distr	urbed or pr		? Yes ⊠	No 🗆
Indicators Restrictive Type Depti	of Hydrophytic vegeta e Layer (if observed)	tion and v	vetland hydrology	must be present	t, unless distr	urbed or pr		? Yes ⊠	No 🗆
Indicators Restrictive Type	of Hydrophytic vegeta e Layer (if observed)	tion and v	vetland hydrology	must be present	t, unless distr	urbed or pr		? Yes ⊠	No 🗆
Indicators Restrictive Type Depti	of Hydrophytic vegeta e Layer (if observed)	tion and v	vetland hydrology	must be present	t, unless distr	urbed or pr		? Yes ⊠	No 🗆
Indicators Restrictive Type Depti	of Hydrophytic vegeta e Layer (if observed)	tion and v	vetland hydrology	must be present	t, unless distr	urbed or pr		? Yes ⊠	No 🗆
Indicators Restrictive Type Depti	of Hydrophytic vegeta e Layer (if observed)	tion and v	vetland hydrology	must be present	t, unless distr	urbed or pr		? Yes ⊠	No 🗆

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: <u>5-13-2019</u> Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 36 Applicant/Owner: __ State: WI Investigator(s): Chris Jors, Shane Heyel, and Zofia Noe: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): terrace Local relief (concave, convex, none): none Slope (%): 0-2% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Palms muck (Pa) NWI classification: None Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? ⊠No ☐Yes ⊠No within a Wetland? ☐ Yes ⊠Yes □No Hydric Soils Present? ⊠No Wetland Hydrology Present? □Yes If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) П П ☐ Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) ☐ Presence of Reduced Iron (C4) Drift Deposits (B3) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) \Box FAC-Neutral Test (D5) **Field Observations:** Surface Water Present? Yes No 🖂 Depth (inches): _ Water Table Present? Yes \boxtimes Depth (inches): _ No Saturation Present? Yes No 🖂 Depth (inches): Wetland Hydrology Present? Yes No 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4). Remarks: Unlike sample site 35, this soil pit had no seeping or glistening on its walls, indicating effectiveness of recent drain tile improvements (Exhibit 14). No wetland hydrology indicators observed.

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1	76 COVEL		Status	Number of Dominant Species
				That are OBL, FACW, or FAC: 0 (A)
2				
3				Total Number of Dominant Species Across All Strata: 0 (B)
4				
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 0% (A/B)
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				•
				Column Totals: (A) (B)
6				Prevalence Index = B/A = Hydrophytic Vegetation Indicators:
7				Rapid Test for Hydrophytic Vegetation
	<u>0</u>	= Total Cove	er	☐ Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)		_		☐ Prevalence Index is ≤3.0¹☐ Morphological Adaptations¹ (Provide supporting
1				data in Remarks or on a separate sheet)
2				☐ Problematic Hydrophytic Vegetation¹ (Explain)
3				
4				Indicators of hydric soil and wetland hydrology must Be present, unless disturbed or problematic.
5				Do process, armose distarbed of problemade.
				Definitions of Vegetation Strata:
6				
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height
8				at bloadt Holgin (bbl 1), rogal aloss of Holgin
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>0</u>	= Total Cove	er	Woody vines – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30' radius)				height
1				
2.				
3.				Hydrophytic
4				Hydrophytic Vegetation
	<u>0</u>	= Total Cove		Present? Yes ☐ No ☒
Remarks: (include photo number here or on a separate sheet.				Lation, only corn stubble from last year's crop.
(,			,,

Profile Des		o the dep	oth needed to doc			nfirm the a	absence of indicators.)
Depth	Matrix			Redox Feat	ures		_
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture Remarks
-12	10YR 2/1	100					Silt loam
2-19	10YR 4/1	97	2.5Y 4/4	3	C	M	Clay loam
9-26	5Y 5/2	93	10YR 4/6		C	M	Clay loam
	· 		-				
							<u>-</u>
	<u> </u>		<u> </u>				
	·					-	
	-		-				
			-				
			-				
	· 						- ————————————————————————————————————
Гуре: C=	Concentration, D=Dep	etion, RN	M=Reduced Matrix,	MS= Masked S	and Grains		² Location: PL=Pore Lining, M=Matrix
-	il Indicators:						Indicators for Problematic Hydric Soils ³ :
	Histosol (A1)			Polyvalue Belov		8) (LRR R ,	
	Histic Epipedon (A2) Black Histic (A3)		п.	MLRA 149 Thin Dark Surfa	,	R R MIRA	Coast Prairie Redox (A16) (LLR K, L, R) 4 149B) 5 cm Mucky Peat or Peat (S3) (LLR K, L, F
	Hydrogen Sulfide (A4)			_oamy Mucky N			
	Stratified Layers (A5)			_oamy Gleyed !			☐ Polyvalue Below Surface (S8) (LRR K, L)
	Depleted Below Dark			Depleted Matrix			Thin Dark Surface (S9) (LRR K, L)
	Thick Dark Surface (A Sandy Mucky Mineral			Redox Dark Sui Depleted Dark \$			☐ Iron-Manganese Masses (F12) (LRR K, L,☐ Piedmont Floodplain Soils (F19) (MLRA 14
	Sandy Gleyed Matrix (Redox Depress			☐ Piedmont Floodplain Soils (F19) (MLRA 14☐ Mesic Spodic (TA6) (MLRA 144A, 145, 145
	Sandy Redox (S5)	O .,		1040X 2 0p. 000	(. 0)		Red Parent Material (F21)
	Stripped Matrix (S6)						☐ Very Shallow Dark Surface (TF12)
Ш	Dark Surface (S7) (LR	R R, ML	RA 149B)				Other (Explain in Remarks)
Indicators	of Hydrophytic vegeta	tion and v	vetland hydrology n	nust be present	, unless dist	urbed or pro	roblematic.
	e Layer (if observed)		, 0,			· ·	
	:						Hydric Soil Present? Yes ⊠ No □
	h (inches):						
Remarks:							

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: <u>5-13-2019</u> Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 37 Applicant/Owner: __ State: WI Investigator(s): Chris Jors, Shane Heyel, and Zofia Noe: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): slight hillslope Local relief (concave, convex, none): linear Slope (%): 0-2% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Pella silt loam (Ph) NWI classification: None Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area ⊠Yes Hydrophytic Vegetation Present? ПNо ⊠No within a Wetland? ☐ Yes □No Hydric Soils Present? ⊠Yes ⊠No Wetland Hydrology Present? □Yes If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) П П ☐ Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) ☐ Presence of Reduced Iron (C4) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Algal Mat or Crust (B4) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) \Box Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) **Field Observations:** Surface Water Present? Yes No 🖂 Depth (inches): _ Water Table Present? Yes \boxtimes Depth (inches): _ No Saturation Present? Yes No 🖂 Depth (inches): Wetland Hydrology Present? Yes No 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4). Remarks: Recent Iron Reduction in Tilled Soils (C6) indicator not checked since timing and depth of last tillage could not be determined. Drain tile work completed in close proximity to this sample site within the last 5 years (see Exhibit 14). No wetland hydrology indicators observed.

Tree Stratum (Plot size: 30' radius)	Absolute <u>% Cover</u>	Dominant Species?	Indicator <u>Status</u>	Dominance Test worksheet:
1	76 COVEL		Status	Number of Dominant Species
				That are OBL, FACW, or FAC: 1 (A)
2				
3				Total Number of Dominant Species Across All Strata: 1 (B)
4				
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 100% (A/B)
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4		П		UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
·· <u>—</u>	<u>0</u>	= Total Cover		Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5' radius)	<u>-</u>	= Total Cover		Dominance Test is >50% Prevalence Index is ≤3.0¹
	<u>2</u>	\boxtimes	FAC	☐ Morphological Adaptations¹ (Provide supporting
1. <u>Veronica peregrina</u>	=		1710	data in Remarks or on a separate sheet)
2				☐ Problematic Hydrophytic Vegetation¹ (Explain)
3				¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5				
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11.				
12				Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
	<u>2</u>	= Total Cover		or oles, and mossy plants less than oles it am
Woody Vine Stratum (Plot size: 30' radius)	_			Woody vines – All woody vines greater than 3.28 ft in
1		П		height
2		_		
3		Ш		Hydrophytic
4				Vegetation Present? Yes ⊠ No □
December (See Indicate of See	<u>0</u>	= Total Cover	•	
Remarks: (include photo number here or on a separate sheet.	.) Agricultura	ai fieid.		

	scription: (Describe t	o the dep	oth needed to docun	nent the ind	icator or cor	firm the a	bsence of indicators.)		
Depth	Matrix			Redox Feat	tures		<u> </u>		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Rem	narks
0-6	10YR 3/1	100					Silt loam		
6-12	10YR 3/1	80	10YR 5/6	20	C	M	Clay loam		
12-16	10YR 4/1	85	10YR 4/6	15	C	M	Clay loam	with gravel	
16-18	10YR 6/2	85	7.5YR 5/6	15	C	M	Clay loam	with gravel	
18-24	10YR 5/2	70	10YR 5/8	20	C	M	Clay loam	with gravel	
	- 		10GY 6/1	10	D	M			
		-				-			
	·							-	
	·	-				-			
		-				-			
		-				•			
¹ Type: C=	Concentration, D=Dep	letion, RM	1=Reduced Matrix, M	S= Masked S	Sand Grains		² Location: PL=Pore		
-	il Indicators:						Indicators for Probl		
	Histosol (A1) Histic Epipedon (A2)		∐ Po	olyvalue Belo MLRA 149	w Surface (S	B) (LRR R		A10) (LRR K, L, MI Redox (A16) (LLR	
	Black Histic (A3)		□ Th		ace (S9) (LR I	R R. MLRA		Peat or Peat (S3) (
	Hydrogen Sulfide (A4))	☐ Lo	amy Mucky I	Mineral (F1) (☐ Dark Surface	e (S7) (LRR K, L)	
	Stratified Layers (A5)			amy Gleyed				low Surface (S8) (I	
	Depleted Below Dark Thick Dark Surface (A			epleted Matrix edox Dark S				ırface (S9) (LRR K , ese Masses (F12)	
	Sandy Mucky Mineral				Surface (F7)			oodplain Soils (F19)	
	Sandy Gleyed Matrix (edox Depress			☐ Mesic Spodio	(TA6) (MLRA 144	
	Sandy Redox (S5)							Material (F21)	10)
	Stripped Matrix (S6) Dark Surface (S7) (LR	R R. MI F	RA 149B)					Dark Surface (TF1 in in Remarks)	12)
	Dark Sunace (S/) (Lr							,	
	Dark Surface (S7) (LR	,	,						
³ Indicators	of Hydrophytic vegeta	tion and v		st be presen	t, unless dist	ırbed or pı	oblematic.		
³ Indicators Restrictive	of Hydrophytic vegeta	tion and v		st be presen	t, unless dist	ırbed or pı		• V 5	
³ Indicators Restrictive Type	of Hydrophytic vegeta e Layer (if observed)	tion and v		st be presen	t, unless dist	urbed or pi	Hydric Soil Present	:? Yes ⊠	No 🗆
³ Indicators Restrictive Type Depti	of Hydrophytic vegeta	tion and v		st be presen	t, unless dist	ırbed or pı		:? Yes ⊠	No 🗆
³ Indicators Restrictive Type Depti	of Hydrophytic vegeta e Layer (if observed)	tion and v		st be presen	t, unless dist	urbed or pi		:? Yes ⊠	No 🗆
³ Indicators Restrictive Type Dept	of Hydrophytic vegeta e Layer (if observed)	tion and v		st be presen	t, unless dist	urbed or pi		:? Yes ⊠	No 🗆
³ Indicators Restrictive Type Dept	of Hydrophytic vegeta e Layer (if observed)	tion and v		st be presen	t, unless dist	urbed or pi		:? Yes ⊠	No 🗆
³ Indicators Restrictive Type Dept	of Hydrophytic vegeta e Layer (if observed)	tion and v		st be presen	t, unless dist	urbed or pi		:? Yes ⊠	No □
³ Indicators Restrictive Type Dept	of Hydrophytic vegeta e Layer (if observed)	tion and v		st be presen	t, unless dist	urbed or pi		?? Yes ⊠	No 🗆
³ Indicators Restrictive Type Dept	of Hydrophytic vegeta e Layer (if observed)	tion and v		st be presen	t, unless dist	urbed or pi		?? Yes ⊠	No 🗆
³ Indicators Restrictive Type Dept	of Hydrophytic vegeta e Layer (if observed)	tion and v		st be presen	t, unless dist	urbed or pi		?? Yes ⊠	No 🗆
³ Indicators Restrictive Type Dept	of Hydrophytic vegeta e Layer (if observed)	tion and v		st be presen	t, unless dist	urbed or pi		? Yes ⊠	No 🗆
³ Indicators Restrictive Type Dept	of Hydrophytic vegeta e Layer (if observed)	tion and v		st be presen	t, unless dist	urbed or pi		? Yes ⊠	No 🗆
³ Indicators Restrictive Type Dept	of Hydrophytic vegeta e Layer (if observed)	tion and v		st be presen	t, unless dist	urbed or pi		?? Yes ⊠	No 🗆
³ Indicators Restrictive Type Dept	of Hydrophytic vegeta e Layer (if observed)	tion and v		st be presen	t, unless dist	urbed or pi		? Yes ⊠	No 🗆
³ Indicators Restrictive Type Dept	of Hydrophytic vegeta e Layer (if observed)	tion and v		st be presen	t, unless dist	urbed or pi		?? Yes ⊠	No 🗆
³ Indicators Restrictive Type Dept	of Hydrophytic vegeta e Layer (if observed)	tion and v		st be presen	t, unless dist	urbed or pi		?? Yes ⊠	No 🗆
³ Indicators Restrictive Type	of Hydrophytic vegeta e Layer (if observed)	tion and v		st be presen	t, unless dist	urbed or pi		? Yes ⊠	No 🗆
³ Indicators Restrictive Type Depti	of Hydrophytic vegeta e Layer (if observed)	tion and v		st be presen	t, unless distr	urbed or pi		? Yes ⊠	No 🗆
³ Indicators Restrictive Type Depti	of Hydrophytic vegeta e Layer (if observed)	tion and v		st be presen	t, unless distr	urbed or pi		?? Yes ⊠	No 🗆
³ Indicators Restrictive Type Depti	of Hydrophytic vegeta e Layer (if observed)	tion and v		st be presen	t, unless distr	urbed or pi		?? Yes ⊠	No 🗆
³ Indicators Restrictive Type Depti	of Hydrophytic vegeta e Layer (if observed)	tion and v		st be presen	t, unless distr	urbed or pi		? Yes ⊠	No 🗆
³ Indicators Restrictive Type Depti	of Hydrophytic vegeta e Layer (if observed)	tion and v		st be presen	t, unless distr	urbed or pi		?? Yes ⊠	No 🗆

WETLAND DETERMINATION DA	ATA FORM - Northo	entral and Northeast	t Region
Project/Site: Hickory Hill Farms, Inc. City/Cour	nty: Village of Sussex/Wauke	sha County	Sampling Date: <u>5-13-2019</u>
Applicant/Owner:		State: WI	Sampling Point: 38
Investigator(s): Chris Jors, Shane Heyel, and Zofia Noe: SEWRPC	Section, Township, Range	e: SW Quarter, Section 21, T8	<u>8N-R19E</u>
Landform (hillslope, terrace, etc.): slight depression	Local relief (concave, con	vex, none): concave	Slope (%): <u>0-2%</u>
Subregion (LRR or MLRA): <u>LRR K</u>	Lat: Long: _		
Soil Map Unit Name: Pella silt loam (Ph)	-0 V 🖂 N- 🗖		assification: None
Are climatic/hydrologic conditions on the site typical for this time of year		(If no, explain in Remarks)	7 No □
Are Vegetation, Soil, or Hydrology significantly distur Are Vegetation, Soil, or Hydrology naturally problemates.		mstances" present? Yes ⊠ n any answers in Remarks.)	No □
SUMMARY OF FINDINGS – Attach site map showing	sampling point locati	ons, transects, importa	ant features, etc.
Hydrophytic Vegetation Present? ☐ Yes ☐ No	Is the Sampled Are within a Wetland?	a ⊠ Yes	□No
Hydric Soils Present?	within a wettand?	△ res	
Wetland Hydrology Present?	If we are an Consel Month	ID DOA 4	
Demander /Combin observative annual was been as in a consustance	If yes, optional Wetla		_
Remarks: (Explain alternative procedures here or in a separate repo	n.) 90-day antecedent pre	ecipitation is normal.	
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary Indic	cators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)		_	
			oil Cracks (B6)
Surface Water (A1) Water-	Stained Leaves (B9)	Drainage F	Patterns (B10)
High Water Table (A2)	c Fauna (B13)	Moss Trim	Lines (B16)
Saturation (A3)	eposits (B15)	☐ Dry-Seaso	n Water Table (C2)
	gen Sulfide Odor (C1)		urrows (C8)
	ed Rhizospheres on Living R		Visible on Aerial Imagery (C9)
D Prift Deposits (B2)	· · · · · · · · · · · · · · · · · · ·		
Drift Deposits (B3)	nce of Reduced Iron (C4)		Stressed Plants (D1)
Algal Mat or Crust (B4)	t Iron Reduction in Tilled Soil		ic Position (D2)
	luck Surface (C7)		quitard (D3)
Inundation Visible on Aerial Imagery (B7) Other	(Explain in Remarks)	Microtopog	graphic Relief (D4)
☐ Sparsely Vegetated Concave Surface (B8)			ral Test (D5)
Field Observations:			
Surface Water Present? Yes No Depth (inches):			
Water Table Present? Yes ⊠ No ☐ Depth (inches):	<u>27</u>		
Saturation Present? Yes ⊠ No □ Depth (inches):	0 (surface)	Wetland Hydrology Presen	nt? Yes⊠ No □
(includes capillary fringe)	*	Welland Trydrology Tresen	ILI ICS A NO L
Describe Recorded Data (stream gauge, monitoring well, aerial photo	os, previous inspections), if a	vailable: Topo Map (Exhibit 1)	, WWI Map (Exhibit 2), Soils Map
(Exhibit 3), and Aerial Photos (Exhibit 4).			
Remarks: Recent Iron Reduction in Tilled Soils (C6) indicator	not checked since timing a	and depth of last tillage cou	ıld not be determined.
Geomorphic Position (D2) indicator not checked due to recen	t drain tile improvements	Exhibit 14).	

Tree Stratum (Plot size: 30' radius)	Absolute <u>% Cover</u>	Dominant Species?	Indicator <u>Status</u>	Dominance Test worksheet:
1	<u> 70 00ver</u>		<u>Otatus</u>	Number of Dominant Species
2				That are OBL, FACW, or FAC: 2 (A)
3				Total Number of Dominant
4				Species Across All Strata: <u>2</u> (B)
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)
6				
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cover	r	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
··· 	<u>0</u>	= Total Cover		Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5' radius)	-	= 10tal 00vcl		Dominance Test is >50% Prevalence Index is ≤3.0¹
1. Ranunculus sceleratus	<u>3</u>	\boxtimes	OBL	☐ Morphological Adaptations¹ (Provide supporting
	1	\boxtimes	FAC	data in Remarks or on a separate sheet)
2. Ambrosia trifida	1		IAC	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3				¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5				
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11.				
12				Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
<u> </u>	<u>4</u>	= Total Cover		or size, and woody plants loss than 5.20 it tall.
Woody Vine Stratum (Plot size: 30' radius)		= 10tal 00vcl		Woody vines - All woody vines greater than 3.28 ft in
				height
1				
2				
3		Щ		Hydrophytic
4				Vegetation Present? Yes ⊠ No □
	0	= Total Cover		Tresent.
Remarks: (include photo number here or on a separate sheet.) Atypical (f	armed) wetland	d.	

SOIL Sampling Point: <u>38</u>

Profile Des	scription: (Describe t	to the dep	th needed to docum	ent the indi	cator or cor	nfirm the a	bsence of indicators.)		
Depth	Matrix			Redox Feat	ures		_		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Re	marks
-6	10YR 2/1	97	10YR 4/6	3	С	PL M	Silt loam		
i-8	10YR 3/1	95	10YR 5/6	5	С	PL M	Clay loam		
-16	5Y 5/2	60	10GY 5/1	20	D	M	Clay loam		
			10YR 5/6	20	С	M			
6-22	10GY 5/1	80	10YR 5/6	20	С	M	Clay loam		
22-27	2.5Y 5/2	85	2.5Y 5/6	15	C	M	Sandy clay loam		
	· -								
	· -								
	· -								
	· -								
		-							
							0		
	Concentration, D=Dep	letion, RM	I=Reduced Matrix, MS	S= Masked S	Sand Grains		² Location: PL=Pore L Indicators for Probler		
-	il Indicators: Histosol (A1)		П Ро	lvvalue Belov	w Surface (S	8) (LRR R .			
	Histic Epipedon (A2)			MLRA 149		-, (,	☐ Coast Prairie R		
	Black Histic (A3)		☐ Thi	n Dark Surfa	ace (S9) (LRI	R R, MLRA			(LLR K, L, R)
	Hydrogen Sulfide (A4))			Mineral (F1) (LRR K, L)	☐ Dark Surface (\$		
	Stratified Layers (A5) Depleted Below Dark	(Surface		amy Gleyed I pleted Matri			☐ Polyvalue Belo☐ Thin Dark Surfa		
	Thick Dark Surface (A			dox Dark Su) (LRR K, L, R)
	Sandy Mucky Mineral			pleted Dark					9) (MLRA 149B)
	Sandy Gleyed Matrix	(S4)	☐ Re	dox Depress	ions (F8)				14A, 145, 149B)
	Sandy Redox (S5)						Red Parent Ma		=
	Stripped Matrix (S6) Dark Surface (S7) (LF	DD MIE	2A 149B)				☐ Very Shallow D☐ Other (Explain		F12)
	Dark Guriace (G7) (LI	(IX IX, IVILI	(A 140b)				U Other (Explain	iii itemarks)	
	of Hydrophytic vegeta		vetland hydrology mus	st be present	, unless dist	urbed or pr	oblematic.		
	E Layer (if observed)):							
	:						Hydric Soil Present?	Yes ⊠	No 🗌
	h (inches):								
Remarks:									

WETLAND DETERMIN	NATION DATA F	ORM - Northco	entral and No	rtheast R	egion
Project/Site: <u>Hickory Hill Farms, Inc.</u> Applicant/Owner:	City/County: Villa	age of Sussex/Wauke	sha County State: <u>WI</u>	;	Sampling Date: 5-13-2019 Sampling Point: 39
Investigator(s): <u>Chris Jors, Shane Heyel, and Zofia Noe</u> Landform (hillslope, terrace, etc.): <u>slight hillslope</u> Subregion (LRR or MLRA): <u>LRR K</u> Soil Map Unit Name: <u>Lamartine silt loam (LmB)</u>	Loca	tion, Township, Range al relief (concave, con Long: _	vex, none): <u>linear</u> Datum:	NWI class	R19E Slope (%): <u>0-3%</u> ification: <u>F0Kf</u>
Are climatic/hydrologic conditions on the site typical for the Are Vegetation, Soil, or Hydrology signate Vegetation, Soil, or Hydrology nate SUMMARY OF FINDINGS – Attach site materials and site materials are sitemated as a site of the sitematerials are sitemated as a site of the sitematerials are sitemated as a sitematerial are sitematerials.	nificantly disturbed? turally problematic?	(If, needed, explain	(If no, explain in F mstances" present? n any answers in Re ons. transects.	Yes ⊠ emarks.)	No □
Hydrophytic Vegetation Present?	□No □No □No	Is the Sampled Area within a Wetland?	a 🗵] Yes	□No
Remarks: (Explain alternative procedures here or in a		If yes, optional Wetla			
HYDROLOGY					
Wetland Hydrology Indicators:			Secor	ndary Indicato	rs (minimum of two required)
Primary Indicators (minimum of one is required; check	all that apply)		П 9	Surface Soil C	cracks (B6)
☐ Surface Water (A1)	☐ Water-Stained	Leaves (B9)		Drainage Patt	, ,
High Water Table (A2)	Aquatic Fauna	a (B13)		Moss Trim Lin	
Saturation (A3)	☐ Marl Deposits	(B15)		Ory-Season W	/ater Table (C2)
Water marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	Hydrogen Sulf	fide Odor (C1)		Crayfish Burro	ows (C8)
Sediment Deposits (B2)	Oxidized Rhize	ospheres on Living Ro		Saturation Vi	sible on Aerial Imagery (C9)
Drift Deposits (B3)	☐ Presence of R	educed Iron (C4)	:	Stunted or Str	essed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Re	eduction in Tilled Soils	s (C6)	Geomorphic F	Position (D2)
☐ Iron Deposits (B5)	☐ Thin Muck Sur	rface (C7)		Shallow Aquita	ard (D3)
Inundation Visible on Aerial Imagery (B7)	Other (Explain	in Remarks)	r	Microtopograp	phic Relief (D4)
Sparsely Vegetated Concave Surface (B8)			F	AC-Neutral 7	est (D5)
Field Observations:					
Surface Water Present? Yes ☐ No ☒ De	epth (inches):				
Water Table Present? Yes ⊠ No ☐ De	epth (inches): 28.5				
Saturation Present? Yes ⊠ No □ De (includes capillary fringe)	epth (inches): 10		Wetland Hydrolog	gy Present?	Yes⊠ No □
Describe Recorded Data (stream gauge, monitoring w (Exhibit 3), Aerial Photos (Exhibit 4), and NAIP/FSA Im		ious inspections), if av	ailable: Topo Map	(Exhibit 1), W	WI Map (Exhibit 2), Soils Map
Remarks: NAIP/FSA image review found the san	•	•	•	, .	
antecedent precipitation. Drain tile work complet	ed in the vicinity of t	he sample site with	in the last 5 years	(Exhibit 14)).

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1	76 COVEL		Status	Number of Dominant Species
2				That are OBL, FACW, or FAC: 1 (A)
3				Total Number of Dominant Species Across All Strata: 1 (B)
4				
5				Percent of Dominant Species That Are ORL FACILITY OF FACILITY (A/R)
6				That Are OBL, FACW, or FAC: 100% (A/B)
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	r	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				-
				Column Totals: (A) (B)
6				Prevalence Index = B/A = Hydrophytic Vegetation Indicators:
7				Rapid Test for Hydrophytic Vegetation
	<u>0</u>	= Total Cove	r	□ Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)		_		☐ Prevalence Index is ≤3.0¹☐ Morphological Adaptations¹ (Provide supporting
1. <u>Veronica peregrina</u>	<u>10</u>	\boxtimes	<u>FAC</u>	data in Remarks or on a separate sheet)
2. Ambrosia trifida	<u>2</u>		<u>FAC</u>	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3				
4				Indicators of hydric soil and wetland hydrology must Be present, unless disturbed or problematic.
5				De precent, dinece dictarged of pregionatio.
				Definitions of Vegetation Strata:
6				
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>12</u>	= Total Cove	r	Manda da da a Allanda da da a manda da da a O O O O O
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in height
1				
2.		П		
3				Undershadia
4				Hydrophytic Vegetation
4				Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet.) Atypical (f	= Total Cove		
Tremarks. (include proto number here of our a separate sheet.	.) Atypicai (i	arried) Wellari	u.	

Profile De	scription: (Describe t	o the dep	oth needed to docu	ment the indi	icator or cor	firm the a	bsence of indicators.)		
Depth	Matrix			Redox Feat	ures		_		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Rema	ırks
-12	2.5Y 2.5/1	100					Silt loam		
2-22	5Y 5/2	97	10YR 5/6	3	C	M	Clay Ioam		
22-28	5Y 5/1	85	10YR 5/6	5	C	M	Clay loam	with dolomite (10%	%)
8-35	5Y 5/1	85	10YR 5/6	5	C	M	Sandy loam	with dolomite (10%	%)
						î		_	
	·							_	
	<u> </u>								
Type: C=	Concentration, D=Dep	letion, RM	1=Reduced Matrix, N	IS= Masked S	Sand Grains		² Location: PL=Pore	E Lining, M=Matrix	
	il Indicators:	,	,				Indicators for Prob		s³:
	Histosol (A1)		□ P	olyvalue Belov	,	8) (LRR R ,		A10) (LRR K, L, MLF	
	Histic Epipedon (A2) Black Histic (A3)		Пт	MLRA 149 hin Dark Surfa	,	OD MIDA		e Redox (A16) (LLR I Peat or Peat (S3) (L I	
	Hydrogen Sulfide (A4)			oamy Mucky N	. , .			e (S7) (LRR K, L)	LK K, L, K)
	Stratified Layers (A5)			oamy Gleyed I		, ,		elow Surface (S8) (LF	RR K, L)
	Depleted Below Dark			epleted Matrix				urface (S9) (LRR K, I	
	Thick Dark Surface (A Sandy Mucky Mineral			edox Dark Su epleted Dark \$				nese Masses (F12) (L codplain Soils (F19) (
	Sandy Gleyed Matrix (edox Depress				c (TA6) (MLRA 144A	
	Sandy Redox (S5)	, - ,	_		- (- /		☐ Red Parent I	Material (F21)	
	Stripped Matrix (S6)							v Dark Surface (TF12	2)
Ш	Dark Surface (S7) (LR	K K, ML	RA 149B)				☐ Other (Expla	in in Remarks)	
Indicators	of Hydrophytic vegeta	tion and v	vetland hydrology m	ust be present	t, unless distu	urbed or pr	oblematic.		
Restrictive	e Layer (if observed)	:		•		-			
):						Hydric Soil Present	t? Yes⊠ N	lo 🗌
	h (inches):								
Remarks:									

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: <u>5-13-2019</u> Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 40 Applicant/Owner: __ State: WI Investigator(s): Chris Jors, Shane Heyel, and Zofia Noe: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): slight hillslope Local relief (concave, convex, none): linear Slope (%): 0-3% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Lamartine silt loam (LmB) NWI classification: None Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? ⊠No □Yes ⊠No within a Wetland? ☐ Yes ⊠Yes □No Hydric Soils Present? ⊠No Wetland Hydrology Present? □Yes If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) П П ☐ Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) ☐ Presence of Reduced Iron (C4) Drift Deposits (B3) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) \Box FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No 🖂 Depth (inches): _ Water Table Present? Yes \boxtimes Depth (inches): _ No Saturation Present? Yes No 🖂 Depth (inches): Wetland Hydrology Present? Yes No 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4). Remarks: Drain tile work completed in close proximity to this sample site within the last 5 years (see Exhibit 14). No wetland hydrology indicators observed.

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1	<u> 70 COVEI</u>		<u>Otatus</u>	Number of Dominant Species
2				That are OBL, FACW, or FAC: 1 (A)
3				Total Number of Dominant
4				Species Across All Strata: <u>3</u> (B)
5				
				Percent of Dominant Species That Are OBL, FACW, or FAC: 33% (A/B)
6				Prevalence Index worksheet:
7				
	<u>0</u>	= Total Cove	r	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1	-			FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
	<u>0</u>	= Total Cove	r	☐ Rapid Test for Hydrophytic Vegetation ☐ Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)				Prevalence Index is ≤3.0¹
1. Ambrosia trifida	<u>2</u>	\boxtimes	FAC	Morphological Adaptations¹ (Provide supporting
2. Chenopodium album	<u>2</u>	\boxtimes	<u>FACU</u>	data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain)
3. Taraxacum officinale	<u>1</u>	\boxtimes	FACU	
		П		Indicators of hydric soil and wetland hydrology must Be present, unless disturbed or problematic.
4				be present, unless disturbed or problematic.
5				Definitions of Vegetation Strata:
6				_
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height
8				at breast neight (DBH), regardless of neight
9	-			Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>5</u>	= Total Cove	r	Woody vines – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30' radius)				height
1				
2				
3				Hydrophytic
4				Vegetation
	<u>0</u>	= Total Cove	r	Present? Yes ☐ No ☒
Remarks: (include photo number here or on a separate sheet	.) Agricultura			

Profile Des	scription: (Describe t	to the dep	oth needed to docur	nent the ind	licator or cor	nfirm the a	bsence of indicators.)	
Depth	Matrix			Redox Feat	tures		_	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-13	10YR 2/1	100					Silt loam	
13-22	2.5Y 5/2	95	10YR 5/6	5	С	PL M	Clay loam	
22-26	2.5Y 5/2	95	10YR 5/6	5	С	PL M	Clay loam	with dolomite
								-
								-
								-
								-
								-
		-					-	-
	-	-					-	-
								-
						-	· 	-
	-	-					-	
¹ Type: C=	Concentration, D=Dep	letion, RN	/=Reduced Matrix, M	S= Masked S	Sand Grains		² Location: PL=Pore	
_	il Indicators:						Indicators for Probl	lematic Hydric Soils ³ :
	Histosol (A1)		☐ Po		w Surface (S	8) (LRR R ,		A10) (LRR K, L, MLRA 149B)
	Histic Epipedon (A2)			MLRA 149	,			Redox (A16) (LLR K, L, R)
	Black Histic (A3) Hydrogen Sulfide (A4)				ace (S9) (LR I Mineral (F1) (Peat or Peat (S3) (LLR K, L, R) e (S7) (LRR K, L)
	Stratified Layers (A5)	,		amy Gleyed		LKK K, L)		elow Surface (S8) (LRR K, L)
	Depleted Below Dark	Surface (/		epleted Matrix				urface (S9) (LRR K, L)
	Thick Dark Surface (edox Dark Su				ese Masses (F12) (LRR K, L, R)
	Sandy Mucky Mineral				Surface (F7)			oodplain Soils (F19) (MLRA 149B
	Sandy Gleyed Matrix	(S4)	☐ Re	edox Depress	sions (F8)			c (TA6) (MLRA 144A, 145, 149B)
	Sandy Redox (S5)							Material (F21)
	Stripped Matrix (S6) Dark Surface (S7) (LF	RR.MIF	RA 149B)					Dark Surface (TF12) in in Remarks)
	Dark Gariage (67) (E1	,	(1405)				_ Other (Explain	Tremano,
3Indicators	of Hydrophytic vegeta	ition and v	vetland hydrology mu	ist be presen	nt, unless dist	urbed or pr	oblematic.	
Restrictive	e Layer (if observed)):						
	e:						Hydric Soil Present	? Yes⊠ No 🗆
	th (inches):							
Remarks:								
l								
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WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: <u>5-13-2019</u> Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 41 Applicant/Owner: __ State: WI Investigator(s): Chris Jors, Shane Heyel, and Zofia Noe: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): toeslope Local relief (concave, convex, none): none Slope (%): 0-2% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Brookston silt loam (BIA) NWI classification: F0Kf Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? ⊠No □Yes ⊠No within a Wetland? ☐ Yes ⊠Yes □No Hydric Soils Present? ⊠No Wetland Hydrology Present? □Yes If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) ☐ Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) П П ☐ Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) \boxtimes Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) ☐ Presence of Reduced Iron (C4) Drift Deposits (B3) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) \Box Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No 🖂 Depth (inches): __ Water Table Present? Yes No 🛛 Depth (inches): Saturation Present? Yes 🛛 No 🗌 Depth (inches): 26 Wetland Hydrology Present? Yes No 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), Aerial Photos (Exhibit 4), and NAIP/FSA Images (exhibit 12). Remarks: NAIP/FSA image review found the sample site area exhibited wetness signatures on 10 out of 10 (100%) images taken with normal antecedent precipitation. Drain tile work completed in close proximity to this sample site within the last 5 years (see Exhibit 14). Only one secondary wetland hydrology indicator was observed.

Tree Stratum (Plot size: 30' radius)	Absolute <u>% Cover</u>	Dominant Species?	Indicator Status	Dominance Test worksheet:
1	70 COVEL		Status	Number of Dominant Species
				That are OBL, FACW, or FAC: 0 (A)
2				
3				Total Number of Dominant Species Across All Strata: 0 (B)
4			-	
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 0% (A/B)
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				•
				Column Totals: (A) (B)
6				Prevalence Index = B/A = Hydrophytic Vegetation Indicators:
7				Rapid Test for Hydrophytic Vegetation
	<u>0</u>	= Total Cove	er	☐ Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)		_		☐ Prevalence Index is ≤3.0¹☐ Morphological Adaptations¹ (Provide supporting
1				data in Remarks or on a separate sheet)
2				☐ Problematic Hydrophytic Vegetation¹ (Explain)
3		\Box		
4				Indicators of hydric soil and wetland hydrology must Be present, unless disturbed or problematic.
5				Do process, armose distarbed of problemade.
				Definitions of Vegetation Strata:
6				
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height
8				at bloadt Holgin (bbl 1), rogal aloss of Holgin
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>0</u>	= Total Cove	er	Woody vines – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30' radius)				height
1				
2				
3.				Hydrophytic
4				Hydrophytic Vegetation
	<u>0</u>	= Total Cove		Present? Yes ☐ No ☒
Remarks: (include photo number here or on a separate sheet.				Lation, only corn stubble from last year's crop.
(,			,,

Profile De	scription: (Describe to	o the dep	oth needed to docu	ment the indi	icator or cor	nfirm the a	bsence of indicators.)		
Depth	Matrix			Redox Feat	ures		_		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Re	marks
)-16	10YR 2/1	100					Silt loam		
16-26	2.5Y 4/2	97	10YR 4/6	3	C	M	Clay loam	with dolomite	
26-27	2.5Y 4/2	97	10YR 4/6	3	C	M	Sandy loam		
						-			
	-		-						
		-					-		
	-		-						
						-		<u>.</u> .	
						-			
			-						
Type: C=	Concentration, D=Depl	etion, RN	M=Reduced Matrix, N	MS= Masked S	Sand Grains		² Location: PL=Pore		
-	il Indicators:			valanalna Balan	0((0	o)	Indicators for Probl		
	Histosol (A1) Histic Epipedon (A2)		∐ F	olyvalue Belov MLRA 149	,	8) (LRR R ,		A10) (LRR K, L, N Redox (A16) (LL	
	Black Histic (A3)		п т	hin Dark Surfa	,	R R, MLRA		Peat or Peat (S3)	
	Hydrogen Sulfide (A4)			oamy Mucky N	Mineral (F1) (□ Dark Surface	(S7) (LRR K, L)	
	Stratified Layers (A5)	D		oamy Gleyed				low Surface (S8)	
	Depleted Below Dark S Thick Dark Surface (A			epleted Matrix Redox Dark Su				rface (S9) (LRR I ese Masses (F12	
	Sandy Mucky Mineral			epleted Dark				odplain Soils (F1	
	Sandy Gleyed Matrix (S4)	□ F	Redox Depress	sions (F8)			(TA6) (MLRA 1 4	14A, 145, 149B)
	Sandy Redox (S5) Stripped Matrix (S6)						Red Parent N	/laterial (F21) Dark Surface (Tf	E12)
	Dark Surface (S7) (LR	R R, MLI	RA 149B)					n in Remarks)	12)
	of Hydrophytic vegetat		wetland hydrology m	ust be present	t, unless dist	urbed or pr	oblematic.		
	e Layer (if observed): e:	i					Hydric Soil Present	? Yes ⊠	No 🗆
, ,	h (inches):						nyunc 3011 Fresent	· les 🖂	ио П
Remarks:									

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: <u>5-13-2019</u> Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 42 Applicant/Owner: __ State: WI Investigator(s): Chris Jors, Shane Heyel, and Zofia Noe: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): slight hillslope Local relief (concave, convex, none): linear Slope (%): 0-2% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Brookston silt loam (BIA) NWI classification: F0Kf Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? ⊠No □Yes ⊠No within a Wetland? ☐ Yes ⊠Yes □No Hydric Soils Present? ⊠No Wetland Hydrology Present? □Yes If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) П П ☐ Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) \boxtimes Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) ☐ Presence of Reduced Iron (C4) Drift Deposits (B3) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) \Box Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No 🖂 Depth (inches): _ Water Table Present? Yes \boxtimes Depth (inches): _ No Saturation Present? Yes No 🖂 Depth (inches): Wetland Hydrology Present? Yes No 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), Aerial Photos (Exhibit 4), and NAIP/FSA Images (Exhibit 12). Remarks: NAIP/FSA image review found the sample site area exhibited wetness signatures on 10 out of 10 (100%) images taken with normal antecedent precipitation. Drain tile work completed in close proximity to this sample site within the last 5 years (see Exhibit 14). Only one secondary wetland hydrology indicator observed.

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1	76 COVEL		Status	Number of Dominant Species
2				That are OBL, FACW, or FAC: 1 (A)
3				Total Number of Dominant Species Across All Strata: 2 (B)
4				
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 50% (A/B)
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	r	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
				Hydrophytic Vegetation Indicators:
7	<u>0</u>	= Total Cove		☐ Rapid Test for Hydrophytic Vegetation
Llorb Ctratum (Plat aira, El radius)	<u> </u>	= Total Cove	·I	□ Dominance Test is >50% □ Prevalence Index is ≤3.0¹
Herb Stratum (Plot size: 5' radius)	1		FAC	☐ Morphological Adaptations¹ (Provide supporting
1. Ambrosia trifida	1			data in Remarks or on a separate sheet)
2. <u>Taraxacum officinale</u>	1		<u>FACU</u>	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3				¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5				
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11		\equiv		
12				Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
	<u>2</u>	= Total Cove		of size, and woody plants loss than 5.20 it tall.
Woody Vine Stratum (Plot size: 30' radius)	=	- 10tal 00V0	1	Woody vines – All woody vines greater than 3.28 ft in
				height
1		_		
2		Ш		
3		Ш		Hydrophytic
4				Vegetation Present? Yes □ No ⊠
	0	= Total Cove	r	
Remarks: (include photo number here or on a separate sheet.) Agricultura	al field.		

Profile De		o the dep	oth needed to docu			firm the a	bsence of indicators.)		
Depth	Matrix			Redox Feat	ures		_		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Re	emarks
)-12	10YR 2/1	100					Silt loam		
2-15	10YR 4/2	97	10YR 4/6	3	C	M	Clay loam		
5-24	2.5Y 5/2	97	7.5YR 5/6	3	C	M	Clay loam	with dolomite	
	<u> </u>		<u>-</u>			-			
							_		
			· -				-		
							_		
						-			
T	O (astis a D. D. ast	ladaa DA	A. Dankara d Marcha A	40 Marshard 6) I O '		21 1 DI - D	. I tota o . NA . NA . (c)	
	Concentration, D=Dep	letion, RI	/I=Reduced Matrix, N	/IS= Masked S	sand Grains		² Location: PL=Pore		
	Histosol (A1)		□ P	olyvalue Belov	w Surface (S	8) (LRR R ,	2 cm Muck (A	A10) (LRR K, L, l	MLRA 149B)
	Histic Epipedon (A2)			MLRA 149	,			Redox (A16) (LI	
	Black Histic (A3) Hydrogen Sulfide (A4)			hin Dark Surfa oamy Mucky N				Peat or Peat (S3) e (S7) (LRR K, L)	
	Stratified Layers (A5)			oamy Gleyed I		LKK K, L)		elow Surface (S8)	
	Depleted Below Dark	Surface		epleted Matrix				urface (S9) (LRR	
	Thick Dark Surface (A			edox Dark Su				ese Masses (F12	
	Sandy Mucky Mineral			epleted Dark					19) (MLRA 149B)
	Sandy Gleyed Matrix ((S4)	□ R	edox Depress	sions (F8)				44A, 145, 149B)
	Sandy Redox (S5) Stripped Matrix (S6)							Material (F21)	·F12)
	Dark Surface (S7) (LR	R R. MLI	RA 149B)					in in Remarks)	1712)
_	() (,	,				_	,	
	of Hydrophytic vegeta		vetland hydrology m	ust be present	t, unless distu	urbed or pr	oblematic.		
	e Layer (if observed)	:					Hydria Sail Bracan	12 Vac ⊠	No. 🗆
,,	:h (inches):						Hydric Soil Present	t? Yes ⊠	No 🗌
Remarks:	(1 1 1)								

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: <u>5-13-2019</u> Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County State: WI Sampling Point: 43 Applicant/Owner: ___ Investigator(s): Chris Jors, Shane Heyel, and Zofia Noe: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): slight slope Local relief (concave, convex, none): linear Slope (%): 0-2% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Brookston silt loam (BIA) NWI classification: F0Kf Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area ⊠Yes Hydrophytic Vegetation Present? ПNо ☐ Yes ⊠No within a Wetland? □No Hydric Soils Present? ⊠Yes ⊠No Wetland Hydrology Present? □Yes If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) ☐ Surface Soil Cracks (B6) ☐ Surface Water (A1) ☐ Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) ☐ Saturation (A3) ☐ Marl Deposits (B15) ☐ Dry-Season Water Table (C2) Water marks (B1) ☐ Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) П ☐ Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) ☐ Presence of Reduced Iron (C4) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Algal Mat or Crust (B4) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) \Box Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No 🖂 Depth (inches): __ Water Table Present? Depth (inches): __ Yes No 🛛 Saturation Present? Yes 🛛 No 🗌 Depth (inches): 0 (at surface) to 7 only Wetland Hydrology Present? Yes No 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4). Remarks: NAIP/FSA image review found the sample site area exhibited wetness signatures on 10 out of 10 (100%) images taken with normal antecedent precipitation. Recently improved drain tiles in this area appear to be effective (Exhibit 14). Recent Iron Reduction in Tilled Soils (C6) indicator not checked since timing and depth of last tillage could not be determined. Only one secondary wetland hydrology indicator observed.

<u>Tree Stratum</u> (Plot size: <u>30' radius</u>)	Absolute	Dominant	Indicator	Dominance Test worksheet:
	% Cover	Species? ☐	<u>Status</u>	
1				Number of Dominant Species That are OBL, FACW, or FAC: 1 (A)
2				
3				Total Number of Dominant Species Across All Strata: 1 (B)
4				
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)
6				
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
·· 	<u>0</u>	= Total Cove		Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5' radius)	<u> </u>	= 10tai 00ve	21	Dominance Test is >50% Prevalence Index is ≤3.0¹
1. <u>Veronica peregrina</u>	<u>1</u>	\boxtimes	FAC	☐ Morphological Adaptations¹ (Provide supporting
· · · · · · · · · · · · · · · · · · ·	<u> </u>		<u> </u>	data in Remarks or on a separate sheet)
2				☐ Problematic Hydrophytic Vegetation¹ (Explain)
3				¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5				Definitions of Manufation Office
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>1</u>	= Total Cove	er	
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in
1				height
2				
2				
3				Hydrophytic Vegetation
4				Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet.	\ Agricultur	= Total Cove	er	
Remarks. (include prioto number nere or on a separate sneet.	.) Agricultur	ai ileiu.		

	scription: (Describe to	o the dep	th needed to	docum	ent the indi	icator or con	firm the al	sence	of indicators.)			
Depth	Matrix				Redox Feat	ures		_				
(inches)	Color (moist)	%	Color (m	ioist)	%	Type ¹	Loc ²		Texture	Re	marks	
0-7	N 2.5/	100						Silt loa				
7-18	5Y 2.5/1	75	10YR 5/2		20	D	M	Silty cla	ay loam			
			10YR 4/6		5	C	M					
18-24	5Y 5/2	95	10YR 4/6		5	C	M	Clay lo				
24-26	10YR 5/6	65	·					Clay lo	am			
	10YR 5/2	35										
			-									
-	-		-					-				
Type: C=C	Concentration, D=Dep	letion, RM	I=Reduced Ma	atrix, MS	= Masked S	Sand Grains		2	ocation: PL=Pore Lini	ng, M=Matrix		
Hydric Soil	Indicators:								dicators for Problema	atic Hydric S	oils³:	
	Histosol (A1)			☐ Pol		w Surface (St	3) (LRR R,		2 cm Muck (A10)			
	Histic Epipedon (A2) Black Histic (A3)			☐ Thir	MLRA 149	க) ace (S9) (LRF	PR MIRA	149R)	☐ Coast Prairie Red☐ 5 cm Mucky Pear			
	Hydrogen Sulfide (A4)					Mineral (F1) (1430)	☐ Dark Surface (S7		(LLIVIX	, L , IX)
	Stratified Layers (A5)			☐ Loa	my Gleyed	Matrix (F2)			☐ Polyvalue Below		(LRR K	, L)
	Depleted Below Dark				oleted Matrix				☐ Thin Dark Surfac			(
	Thick Dark Surface (A Sandy Mucky Mineral				lox Dark Su	urtace (F6) Surface (F7)			☐ Iron-Manganese☐ Piedmont Floodp			
	Sandy Mucky Milleral Sandy Gleyed Matrix (-	dox Depress		'		☐ Mesic Spodic (TA			
	Sandy Redox (S5)	/							☐ Red Parent Mate		,	, ,
	Stripped Matrix (S6)								☐ Very Shallow Da		F12)	
	Dark Surface (S7) (LR	R R, MLF	(A 149B)						Other (Explain in	Remarks)		
3Indicators o	of Hydrophytic vegeta	tion and w	etland hydrol	ogy mus	t be present	t, unless distu	rbed or pro	blematio).			
	Layer (if observed)				·		·					
Type:								H	ydric Soil Present?	Yes ⊠	No 🗆]
	n (inches):											
Remarks:												

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: <u>5-13-2019</u> Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 44 Applicant/Owner: __ State: WI Investigator(s): Chris Jors, Shane Heyel, and Zofia Noe: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): *toeslope/broad swale Local relief (concave, convex, none): linear, slightly concave Slope (%): 0-2% Subregion (LRR or MLRA): LRR K Datum: Long: _____ Soil Map Unit Name: Brookston silt loam (BIA) NWI classification: F0Kf Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No □ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area ⊠Yes Hydrophytic Vegetation Present? □No within a Wetland? ✓ Yes □No □No Hydric Soils Present? ⊠Yes □No Wetland Hydrology Present? ⊠Yes If yes, optional Wetland Site ID: PCA 5 Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. Sample point is at a low point on the toeslope due to the slight berm (old dredge spoils) that runs paralell along the waterway. At this point, looking to the southeast we are in the top end of a broad swale. (No closed depression) **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) ☐ Surface Soil Cracks (B6) ☐ Surface Water (A1) ☐ Water-Stained Leaves (B9) ☐ Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) ☐ Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Oxidized Rhizospheres on Living Roots (C3) Sediment Deposits (B2) \boxtimes Drift Deposits (B3) ☐ Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Other (Explain in Remarks) Inundation Visible on Aerial Imagery (B7) Microtopographic Relief (D4) \Box Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) **Field Observations:** Surface Water Present? Yes No 🛛 Depth (inches): Water Table Present? Yes 🛚 No 🗌 Depth (inches): 35 Saturation Present? Yes 🖂 No \square Depth (inches): 0 (at surface) Wetland Hydrology Present? No \square Yes 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), Aerial Photos (Exhibit 4), and NAIP/FSA/ Images (Exhibit 12). Remarks: NAIP/FSA image review found the sample site exhibited wetness signatures on 10 out of 10 (100%) images taken with normal antecedent precipitation. This sample site is in the FEMA-mapped floodway associated with the unnamed tributary to Spring Creek. Geomorphic position (D2) is not checked due to the presence of a recently improved drain tile system (Exhibit 14).

Tree Stratum (Plot size: 30' radius)	Absolute <u>% Cover</u>	Dominant Species?	Indicator <u>Status</u>	Dominance Test worksheet:
1	70 COVE		<u>Otatus</u>	Number of Dominant Species
2				That are OBL, FACW, or FAC: 4 (A)
3				Total Number of Dominant
4				Species Across All Strata: 4 (B)
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)
6				
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cover	•	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
	<u>0</u>	= Total Cover		Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5' radius)	_			Dominance Test is >50% Prevalence Index is ≤3.0¹
1. Ranunculus sceleratus	<u>2</u>	\boxtimes	FAC	☐ Morphological Adaptations¹ (Provide supporting
2. Ambrosia trifida	<u>-</u> 1	\boxtimes	FAC	data in Remarks or on a separate sheet)
	1		FAC	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3. <u>Urtica dioica</u>				¹ Indicators of hydric soil and wetland hydrology must
4. <u>Veronica peregrina</u>	<u>1</u>		<u>FAC</u>	Be present, unless disturbed or problematic.
5				Definitions of Versatetian Strate.
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>5</u>	= Total Cover		
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in
1				height
2.				
2				
3				Hydrophytic Vegetation
4				Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet	<u>0</u>	= Total Cover		
Remarks. (include prioto number nere of on a separate sneet	.) Atypicai (i	arrieu) wellari	J.	

SOIL Sampling Point: 44

Profile De	scription: (Describe	to the dep	th needed to docum	ent the indi	cator or cor	nfirm the a	bsence of indicators.)	Sampling Point: 44	
Depth	Matrix			Redox Feat	ures		_		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-17	N 2.5/	100					Muck		
17-23	7.5YR 3/1	75					Clay loam		
	10YR 4/2	25							
23-26	10YR 4/2	70					Clay loam		
	7.5YR 3/1	30							
26-37	5Y 5/2	92	7.5YR 4/4	8	С	М	Clay loam		
	-								
	-								
	-								
	-								
	-						-		
		oletion, RM	I=Reduced Matrix, MS	= Masked S	and Grains		² Location: PL=Pore L		
-	il Indicators:			make Del	0	0) // BB 5	Indicators for Probler		OD)
	Histosol (A1) Histic Epipedon (A2)	١	∐ Poly	MLRA 149	v Surface (S R)	8) (LKK K,		0) (LRR K, L, MLRA 149 ledox (A16) (LLR K, L, R	
	Black Histic (A3)	,	☐ Thir		ice (S9) (LR I	R R. MLRA		eat or Peat (S3) (LLR K ,	
	Hydrogen Sulfide (A4)			/lineral (F1) (☐ Dark Surface (, ,
	Stratified Layers (A5)			my Gleyed I				w Surface (S8) (LRR K,	L)
	Depleted Below Dark			leted Matrix				ace (S9) (LRR K, L)	\
	Thick Dark Surface (A Sandy Mucky Mineral			lox Dark Sur	rface (F6) Surface (F7)			se Masses (F12) (LRR K dplain Soils (F19) (MLR	
	Sandy Gleyed Matrix			lox Depress				TA6) (MLRA 144A, 145,	
	Sandy Redox (S5)	(0.)		iox Doproco	10110 (1 0)		Red Parent Ma		02)
	Stripped Matrix (S6)						☐ Very Shallow D	Oark Surface (TF12)	
	Dark Surface (S7) (LF	RR R, MLF	RA 149B)				☐ Other (Explain	in Remarks)	
3Indicators	of Hydrophytic vegets	ation and w	etland hydrology mus	t ha nrasant	unlass dist	irhed or nr	hlematic		
	e Layer (if observed)		retiand hydrology mus	t be present	, unicos disti	uibed of pit	DDIETHALIC.		
	:	•					Hydric Soil Present?	Yes⊠ No □	
Dept	h (inches):								
Remarks:									

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: <u>5-14-2019</u> Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County State: WI Sampling Point: 45 Applicant/Owner: ___ Investigator(s): Chris Jors, Shane Heyel, and Zofia Noe: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): slight hillslope Local relief (concave, convex, none): linear Slope (%): 0-2% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Palms muck (Pa) NWI classification: F0Kf Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? ⊠No ☐Yes ☐ Yes ⊠No within a Wetland? ⊠No □Yes Hydric Soils Present? ⊠No Wetland Hydrology Present? □Yes If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) ☐ Surface Water (A1) ☐ Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) ☐ Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) П ☐ Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) \boxtimes Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) ☐ Presence of Reduced Iron (C4) Drift Deposits (B3) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) \Box Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No 🖂 Depth (inches): __ Water Table Present? Depth (inches): __ Yes No 🛛 Saturation Present? Yes 🛛 No 🗌 Depth (inches): 0 (surface) to 6 only Wetland Hydrology Present? Yes No 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), Aerial Photos (Exhibit 4), and NAIP/FSA Images (Exhibit 12). Remarks: NAIP/FSA image review found the sample site exhibited wetness signatures on 10 out of 10 (100%) images taken with normal antecedent precipitation. Recently improved drain tiles in this area appear to be effective (Exhibit 14). Only one secondary wetland hydrology indicator was observed.

Tree Stratum (Plot size: 30' radius)	Absolute <u>% Cover</u>	Dominant Species?	Indicator Status	Dominance Test worksheet:
1	70 COVEL		Status	Number of Dominant Species
2				That are OBL, FACW, or FAC: 0 (A)
3				Total Number of Dominant
				Species Across All Strata: <u>2</u> (B)
4				
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 0% (A/B)
6				
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
	<u>0</u>	= Total Cove	er.	Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5' radius)	_			☐ Dominance Test is >50% ☐ Prevalence Index is ≤3.0¹
1. Medicago lupulina	<u>2</u>	\boxtimes	FACU	☐ Morphological Adaptations¹ (Provide supporting
2. Chenopodium album	<u>-</u> 1	\boxtimes	FACU	data in Remarks or on a separate sheet)
	-			☐ Problematic Hydrophytic Vegetation¹ (Explain)
3				¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5				Definitions of Versatetian Strate.
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>3</u>	= Total Cove	er	
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in
1				height
2				
2				
3				Hydrophytic Vegetation
4				Present? Yes □ No ☒
Remarks: (include photo number here or on a separate sheet.	0 Agricultur	= Total Cove	er	
Remarks. (include prioto number here of our a separate sheet.) Agricultur	ai ileiu.		

Profile De	scription: (Describe t	o the de	oth needed to d	ocument th	ne indicator or co	nfirm the a	bsence of indicators.)	
Depth	Matrix		<u></u>	Redo	x Features		_	
(inches)	Color (moist)	%	Color (mois	st) c	% Type ¹	Loc ²	Texture	Remarks
)-15	10YR 2/1	100	<u> </u>				Silt loam	<u></u>
15-27	5Y 4/2	100					Clay loam	
27-29	5Y 4/2	97	2.5Y 6/4		3 C	М	Clay loam	-
		-				- ·		
		-				- ·		
								·
		-				- ·		
		-				- ·		
			<u> </u>					-
								-
							21 11 21 2	
	Concentration, D=Deplil Indicators:	etion, RN	/i=Reduced Matr	ıx, MS= Ma	sked Sand Grains		² Location: PL=Pore	Lining, M=Matrix ematic Hydric Soils³:
-	Histosol (A1)			Polyvalue	e Below Surface (S	88) (LRR R .		(10) (LRR K, L, MLRA 149B)
	Histic Epipedon (A2)				A 149B)	, ,		Redox (A16) (LLR K, L, R)
	Black Histic (A3)				k Surface (S9) (LR			Peat or Peat (S3) (LLR K, L, R)
	Hydrogen Sulfide (A4) Stratified Layers (A5)			•	lucky Mineral (F1) leyed Matrix (F2)	(LRR K, L)		(S7) (LRR K, L) low Surface (S8) (LRR K, L)
	Depleted Below Dark S	Surface (_		Matrix (F3)			rface (S9) (LRR K, L)
	Thick Dark Surface (A	12)	,	Redox Da	ark Surface (F6)			ese Masses (F12) (LRR K, L, R)
	Sandy Mucky Mineral				Dark Surface (F7))		odplain Soils (F19) (MLRA 149B)
	Sandy Gleyed Matrix (Sandy Redox (S5)	S4)		Redox De	epressions (F8)		☐ Mesic Spodic	(TA6) (MLRA 144A, 145, 149B)
	Stripped Matrix (S6)							Dark Surface (TF12)
	Dark Surface (S7) (LR	R R, ML	RA 149B)				☐ Other (Explai	n in Remarks)
Indiantara	of Lludrophytic vocatat	tion and t	vational budgeloan	u must be n	racent unless die		ablamatia	
	of Hydrophytic vegetate • Layer (if observed):		welland hydrolog	y musi be p	resent, unless dis	lurbed or pr	obiematic.	
	e:	•					Hydric Soil Present	? Yes□ No ⊠
Dept	h (inches):							
Remarks: /	As redox features we	ere abse	ent in most of th	e inspecte	ed depleted soil	(second la	yer, above), no hydric so	il indicators were observed.

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: <u>5-14-2019</u> Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 46 Applicant/Owner: __ State: WI Investigator(s): Chris Jors, Shane Heyel, and Zofia Noe: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): slight hillslope Local relief (concave, convex, none): linear Slope (%): 0-2% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Palms muck (Pa) NWI classification: F0Kf Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_X_, Soil____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes 🗌 No 🛛 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? □No ⊠Yes within a Wetland? ✓ Yes □No □No Hydric Soils Present? ⊠Yes □No Wetland Hydrology Present? ⊠Yes If yes, optional Wetland Site ID: PCA 5 Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. The sample site has significantly disturbed vegetation due to farming. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) ☐ Surface Water (A1) ☐ Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) \boxtimes Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Oxidized Rhizospheres on Living Roots (C3) Sediment Deposits (B2) \boxtimes Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) П Recent Iron Reduction in Tilled Soils (C6) Algal Mat or Crust (B4) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Other (Explain in Remarks) Inundation Visible on Aerial Imagery (B7) Microtopographic Relief (D4) \Box Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) **Field Observations:** Surface Water Present? Yes No 🛛 Depth (inches): Water Table Present? Yes 🛛 No 🗌 Depth (inches): 25 Saturation Present? Yes 🖂 No \square Depth (inches): 0 (surface) Wetland Hydrology Present? Yes 🖂 No \square (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), Aerial Photos (Exhibit 4), and NAIP/FSA Images (Exhibit 12). Remarks: NAIP/FSA image review found the sample site exhibited wetness signatures on 10 out of 10 (100%) images taken with normal antecedent precipitation. Drain tile work completed in close proximity to this sample site within the last 5 years (Exhibit 14).

Sampling Pol	ınt:	40
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Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator	Dominance Test worksheet:
1	76 COVEL		<u>Status</u>	Number of Dominant Species
				That are OBL, FACW, or FAC: 0 (A)
2	-			
3				Total Number of Dominant Species Across All Strata: 0 (B)
4				
5				Percent of Dominant Species
6			-	That Are OBL, FACW, or FAC: 0% (A/B)
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	r	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5	· <u> </u>			Column Totals: (A) (B)
6				Prevalence Index = B/A =
	-			Hydrophytic Vegetation Indicators:
7				☐ Rapid Test for Hydrophytic Vegetation
	<u>0</u>	= Total Cove	er	Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)				☐ Prevalence Index is ≤3.0¹☐ Morphological Adaptations¹ (Provide supporting
1				data in Remarks or on a separate sheet)
2				□ Problematic Hydrophytic Vegetation¹ (Explain)
3				¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5				
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Continued have been placed to an Air DDII
10	· <u></u>			Sapling/shrub – Woody plants less than 3in. DBH and greater than 3.28 ft (1 m) tall.
11	· <u> </u>			
				Herb – All herbaceous (non-woody) plants, regardless
12		_	_	of size, and woody plants less than 3.28 ft tall.
	<u>0</u>	= Total Cove	; i	Woody vines - All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30' radius)				height
1		Щ		
2		<u> </u>		
3				Hydrophytic
4				Vegetation
	<u>0</u>	= Total Cove		Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet. stubble. The site exhibits indicators of wetland hydrolog hydrophytic vegetation. Atypical (farmed) wetland.				

Profile De	scription: (Describe to	the dep	oth needed to docu	ment the indi	icator or cor	nfirm the a	bsence of indicators.)	-
Depth	Matrix			Redox Feat	ures		_	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
)-17	N 2.5/	100					Loam	
17-26	5Y 4/2	95	10YR 5/6	5	C	PL M	Clay loam	
	Concentration, D=Depl	etion, RM	1=Reduced Matrix, N	/IS= Masked S	Sand Grains		² Location: PL=Pore	
-	il Indicators: Histosol (A1)		ПР	olyvalue Belov	w Surface (S	8) (I RP P	Indicators for Proble 2 cm Muck (A	ematic Hydric Soils³: .10) (LRR K, L, MLRA 149B)
	Histic Epipedon (A2)		·	MLRA 149		o) (LIXIX IX,	,	Redox (A16) (LLR K, L, R)
	Black Histic (A3)		□ T	hin Dark Surfa	,	R R, MLRA		Peat or Peat (S3) (LLR K, L, R)
	Hydrogen Sulfide (A4)			oamy Mucky N		LRR K, L)		(S7) (LRR K, L)
	Stratified Layers (A5) Depleted Below Dark S	Eurfood (oamy Gleyed epleted Matrix				ow Surface (S8) (LRR K, L) face (S9) (LRR K, L)
	Thick Dark Surface (A			edox Dark Su				ese Masses (F12) (LRR K, L, R)
	Sandy Mucky Mineral (epleted Dark				odplain Soils (F19) (MLRA 149B
	Sandy Gleyed Matrix (S4)	□R	edox Depress	sions (F8)			(TA6) (MLRA 144A, 145, 149B)
	Sandy Redox (S5)						Red Parent M	
	Stripped Matrix (S6) Dark Surface (S7) (LR	R R. MLF	RA 149B)				☐ Very Shallow☐ Other (Explain	Dark Surface (TF12)
		,	,					· ··· · · · · · · · · · · · · · · · ·
	of Hydrophytic vegetat		vetland hydrology m	ust be present	t, unless dist	urbed or pro	oblematic.	
	e Layer (if observed):							
	e: h (inches):						Hydric Soil Present?	? Yes⊠ No □
Remarks:	ii (iiiciies).							
Cemarks.								

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: <u>5-14-2019</u> Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 47 Applicant/Owner: __ State: WI Investigator(s): Chris Jors, Shane Heyel, and Zofia Noe: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): slight hillslope Local relief (concave, convex, none): linear Slope (%): 0-2% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Palms muck (Pa) NWI classification: F0Kf Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? ⊠No ☐Yes ☐ Yes ⊠No within a Wetland? □Yes ⊠No Hydric Soils Present? ⊠No Wetland Hydrology Present? □Yes If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) ☐ Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) П П ☐ Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) \boxtimes Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) ☐ Presence of Reduced Iron (C4) Drift Deposits (B3) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) \Box Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No 🖂 Depth (inches): __ Water Table Present? Depth (inches): __ Yes No 🛛 Saturation Present? Yes 🛛 No 🗌 Depth (inches): 0 (at surface) to 6 only Wetland Hydrology Present? Yes No 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), Aerial Photos (Exhibit 4), and NAIP/FSA Images (Exhibit 12). Remarks: NAIP/FSA image review found the sample site exhibited wetness signatures on 10 out of 10 (100%) images taken with normal antecedent precipitation. However, drain tile improvements were made in the vicinity of the sample site within the last 5 years (Exhibit 14). Only one secondary wetland hydrology indicator was observed.

<u>Tree Stratum</u> (Plot size: <u>30' radius</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1	<u> 70 COVEI</u>		<u>Otatus</u>	Number of Dominant Species
2				That are OBL, FACW, or FAC: <u>0</u> (A)
3				Total Number of Dominant
4				Species Across All Strata: <u>0</u> (B)
5				
				Percent of Dominant Species That Are OBL, FACW, or FAC: 0% (A/B)
6				Prevalence Index worksheet:
7				
	<u>0</u>	= Total Cove	r	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
	<u>0</u>	= Total Cove	r	☐ Rapid Test for Hydrophytic Vegetation ☐ Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)				☐ Prevalence Index is ≤3.0¹
1				☐ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
2				☐ Problematic Hydrophytic Vegetation¹ (Explain)
3				
4				Indicators of hydric soil and wetland hydrology must Be present, unless disturbed or problematic.
5			<u> </u>	be present, unless disturbed of problematic.
				Definitions of Vegetation Strata:
6				
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height
8				at broast height (BBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb - All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>0</u>	= Total Cove	r	Woody vines – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30' radius)				height
1				
2				
3				Hydrophytic
4				Vegetation
	<u>0</u>	= Total Cove	r	Present? Yes ☐ No ☒
Remarks: (include photo number here or on a separate sheet.	.) Agricultur	al field with on	y previous	year's corn stubble present.

Profile De	scription: (Describe to	o the depth	needed to doo	ument the ind	licator or cor	nfirm the al	bsence	of indicators.)			
Depth	Matrix			Redox Fea	tures		_				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		Texture	R	emarks	5
)-17	2.5Y 2.5/1	100					Silt lo	am			
7-24	2.5Y 4/2	100					Clay I	oam			
	- <u> </u>										
	- <u> </u>										
					-						
					· .						
	-										
					· ——						
	Concentration, D=Depl	etion, RM=F	Reduced Matrix,	MS= Masked S	Sand Grains			² Location: PL=Pore Lin			
-	il Indicators:					0) (1 ====		ndicators for Problem			4.467
	Histosol (A1) Histic Epipedon (A2)		Ш	Polyvalue Belo MLRA 149		8) (LRR R,		2 cm Muck (A10) Coast Prairie Re			
	Black Histic (A3)			Thin Dark Surf	,	R R. MLRA	149B)	5 cm Mucky Pea			
	Hydrogen Sulfide (A4)			Loamy Mucky			,	☐ Dark Surface (S			,,,
	Stratified Layers (A5)			Loamy Gleyed				☐ Polyvalue Below			K, L)
	Depleted Below Dark S		_	Depleted Matri				☐ Thin Dark Surfac			. K I D)
	Thick Dark Surface (A Sandy Mucky Mineral			Redox Dark Su Depleted Dark				☐ Iron-Manganese☐ Piedmont Floodp			
	Sandy Gleyed Matrix (Redox Depress				☐ Mesic Spodic (Ta			
	Sandy Redox (S5)	,	_	•	, ,			☐ Red Parent Mate	erial (F21)		,
	Stripped Matrix (S6)							☐ Very Shallow Da		ΓF12)	
Ш	Dark Surface (S7) (LR	R R, MLRA	149B)					Other (Explain in	Remarks)		
Indicators	of Hydrophytic vegetat	tion and wet	land hydrology	must be presen	nt, unless dist	urbed or pro	blemat	tic.			
Restrictive	e Layer (if observed):			-							
	e:						ı	Hydric Soil Present?	Yes 🗌	No	\boxtimes
	th (inches):										
Remarks: I	No hydric soil indicat	ors observ	ed.								

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: <u>5-14-2019</u> Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County State: WI Sampling Point: 48 Applicant/Owner: ___ Investigator(s): Chris Jors, Shane Heyel, and Zofia Noe: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): slight hillsope Local relief (concave, convex, none): linear Slope (%): 0-2% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Pella silt loam (Ph) NWI classification: F0Kf Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? ⊠No ☐Yes ☐ Yes ⊠No within a Wetland? ⊠No □Yes Hydric Soils Present? ⊠No Wetland Hydrology Present? □Yes If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) ☐ Surface Water (A1) ☐ Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) ☐ Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) ☐ Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) П ☐ Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) \boxtimes Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) ☐ Presence of Reduced Iron (C4) Drift Deposits (B3) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) \Box Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No 🖂 Depth (inches): __ Water Table Present? Depth (inches): __ Yes No 🛛 Saturation Present? Yes 🛛 No 🗌 Depth (inches): 0 (at surface) to 6 only Wetland Hydrology Present? Yes No 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), Aerial Photos (Exhibit 4), and NAIP/FSA Images (Exhibit 12). Remarks: NAIP/FSA image review found the sample site area exhibited wetness signatures on 10 out of 10 (100%) images taken with normal antecedent precipitation. However, drain tile improvements were made in the last 5 years (Exhibit 14). Only one secondary wetland hydrology indicator was observed.

_			
Samp	lına	Doint.	712

Tree Stratum (Plot size: 30' radius)	Absolute <u>% Cover</u>	Dominant I Species?	ndicator <u>Status</u>	Dominance Test worksheet:
1				Number of Dominant Species
2				That are OBL, FACW, or FAC: 0 (A)
3				Total Number of Dominant
4				Species Across All Strata: <u>0</u> (B)
5	· <u></u>			Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 0% (A/B)
7				Prevalence Index worksheet:
r	<u>0</u>			
	<u> </u>	= Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation
	<u>0</u>	= Total Cover		Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)				☐ Prevalence Index is ≤3.0¹
1				☐ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
2				☐ Problematic Hydrophytic Vegetation¹ (Explain)
3				
4				Indicators of hydric soil and wetland hydrology must Be present, unless disturbed or problematic.
5				Do present, unless distarbed of presionalis.
6				Definitions of Vegetation Strata:
7				
				Tree – Woody plants 3in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height
8				
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11	-			Herb - All herbaceous (non-woody) plants, regardless
12		Ш		of size, and woody plants less than 3.28 ft tall.
	<u>0</u>	= Total Cover		Woody vines – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30' radius)				height
1				
2				
3				Hydrophytic
4				Vegetation
	<u>0</u>	= Total Cover		Present? Yes ☐ No ☒
Remarks: (include photo number here or on a separate sheet.	.) Agricultura	al field with only	previous	year's corn stubble present.

SOIL Sampling Point: 48

	scription: (Describe to Matrix			Redox Feat						
Depth		%	Color (moist)	%		Loc ²	_	Toyduro	Do	ana a rica
(inches)	Color (moist)		Color (moist)		Type ¹	LOC-	Silt loa	Texture	Re	marks
-24	2.5Y 2.5/1	100								
1-28	2.5Y 4/1	100					Clay lo	<u> </u>		
	<u> </u>						-			
							-			
							-			
	· 									
	· -									
	<u> </u>									
	0		1 184 4 1					2 5. 5. 1.		
	Concentration, D=Deplication il Indicators:	ietion, RM=Re	eaucea Matrix,	IVIS= Masked S	sand Grains			Location: PL=Pore Lin		
-	Histosol (A1)		П	Polyvalue Belo	w Surface (St	B) (LRR R .		2 cm Muck (A10	-	
	Histic Epipedon (A2)		_	MLRA 149		-, (,	☐ Coast Prairie Re		
	Black Histic (A3)			Thin Dark Surfa				5 cm Mucky Pea		(LLR K, L, R)
	Hydrogen Sulfide (A4)			Loamy Mucky I	, , ,	LRR K, L)		☐ Dark Surface (ST		(LDD K L)
	Stratified Layers (A5) Depleted Below Dark S	Surface (A11)		Loamy Gleyed Depleted Matri:				☐ Polyvalue Below☐ Thin Dark Surface		
	Thick Dark Surface (A			Redox Dark Su				☐ Iron-Manganese		
	Sandy Mucky Mineral	(S1)		Depleted Dark				☐ Piedmont Floodp	olain Soils (F1	9) (MLRA 149E
	Sandy Gleyed Matrix (S4)		Redox Depress	sions (F8)			Mesic Spodic (T		44A, 145, 149B
	Sandy Redox (S5) Stripped Matrix (S6)							☐ Red Parent Mate☐ Very Shallow Da		E12)
	Dark Surface (S7) (LR	R R. MLRA 1	49B)					Other (Explain in		F12)
_		,	- /						,	
	of Hydrophytic vegetat		nd hydrology r	nust be presen	t, unless distu	irbed or pr	oblemat	ic.		
	e Layer (if observed):	:							_	_
	:						F	lydric Soil Present?	Yes 🗌	No 🛚
	h (inches): No hydric soil indicat	tora obcomio	d							
elliaiks. I	No flydric soli ilidicat	iors observe	u.							

WETLAND DET		TA FORM – Northc		st Region
Project/Site: Hickory Hill Farms, Inc.	City/County	y: Village of Sussex/Wauke		Sampling Date: <u>5-14-2019</u>
Applicant/Owner:			State: WI	Sampling Point: 49
Investigator(s): Chris Jors, Shane Heyel, and		-	e: SW Quarter, Section 21,	
Landform (hillslope, terrace, etc.): slight hillslo	<u>ope</u>	Local relief (concave, con	· ——	Slope (%): <u>0-2%</u>
Subregion (LRR or MLRA): LRR K		Lat: Long: _		alassification FOK
Soil Map Unit Name: Palms muck (Pa)	unical for this time of veer	yoo ⊠ No □		classification: <u>F0Kf</u>
Are climatic/hydrologic conditions on the site t			(If no, explain in Remarks	
Are Vegetation X, Soil, or Hydrology Are Vegetation, Soil X, or Hydrology			mstances" present? Yes n any answers in Remarks.	
SUMMARY OF FINDINGS – Attach	site map showing s	sampling point location	ons, transects, impo	rtant features, etc.
Hydrophytic Vegetation Present? ☐ Yes	S □No	Is the Sampled Are		
Hydric Soils Present? ☐ Yes		within a Wetland?	⊠ Yes	□No
Wetland Hydrology Present?	s □No			
		If yes, optional Wetla		
Remarks: (Explain alternative procedures h		•	· ·	-
problematic soil due to a water table that	at limited the depth of in	spection. Vegetation is s	ignificantly disturbed due	e to farming.
HYDROLOGY				
Wetland Hydrology Indicators:			Secondary In	dicators (minimum of two required)
Primary Indicators (minimum of one is require	red; check all that apply)		☐ Surface	Soil Cracks (B6)
☐ Surface Water (A1)	☐ Water-S	Stained Leaves (B9)	☐ Drainage	e Patterns (B10)
High Water Table (A2)		Fauna (B13)		im Lines (B16)
Saturation (A3)		posits (B15)		son Water Table (C2)
Water marks (B1)		en Sulfide Odor (C1)		Burrows (C8)
Sediment Deposits (B2)	Oxidized	d Rhizospheres on Living Ro	oots (C3) Saturati	ion Visible on Aerial Imagery (C9)
☐ Drift Deposits (B3)	☐ Presence	ce of Reduced Iron (C4)	☐ Stunted	or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent	Iron Reduction in Tilled Soils	Geomor	phic Position (D2)
□ Water marks (B1) □ Sediment Deposits (B2) □ Drift Deposits (B3) □ Algal Mat or Crust (B4) □ Iron Deposits (B5)		ick Surface (C7)		Aquitard (D3)
Inundation Visible on Aerial Image	ery (B7)	Explain in Remarks)	Microtop	pographic Relief (D4)
Sparsely Vegetated Concave Sur	face (B8)		☐ FAC-Ne	utral Test (D5)
Field Observations:	_			
Surface Water Present? Yes ☐ No	Depth (inches): _			
Water Table Present? Yes ⊠ No	Depth (inches): 22	2		
Saturation Present? Yes ⊠ No	Depth (inches): 0	(at surface)	Wetland Hydrology Pres	ent? Yes⊠ No □
(includes capillary fringe)	_ , , _		Welland Hydrology 1 100	cit. 165 🖾 105 🖂
Describe Recorded Data (stream gauge, mo	nitoring well, aerial photos	, previous inspections), if av	railable: Topo Map (Exhibit	1), WWI Map (Exhibit 2), Soils Map
(Exhibit 3), Aerial Photos (Exhibit 4), and NA	AIP/FSA Images (Exhibit 12	2).		
Remarks: NAIP/FSA image review found	d the sample site exhibi	ted wetness signatures of	on 10 out of 10 (100%) ir	nages taken with normal
antecedent precipitation. A collapsed/bl	lown out section of drair	n tile was observed near	this sample site.	

Tree Christian (Blat sine, 20) and inc)	Absolute	Dominant	Indicator	Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size: <u>30' radius</u>)	% Cover	Species?	<u>Status</u>	
1				Number of Dominant Species That are OBL, FACW, or FAC: <u>0</u> (A)
2				
3				Total Number of Dominant
4				Species Across All Strata: 0 (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 0% (A/B)
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5			·	Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
·· <u> </u>	<u>0</u>	= Total Cove		☐ Rapid Test for Hydrophytic Vegetation
Harb Stratum (Plat aiza: 5' radiua)	<u> </u>	= Total Cove	;1	☐ Dominance Test is >50% ☐ Prevalence Index is ≤3.0¹
Herb Stratum (Plot size: 5' radius)				☐ Morphological Adaptations¹ (Provide supporting
1				data in Remarks or on a separate sheet)
2				☐ Problematic Hydrophytic Vegetation¹ (Explain)
3				¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5				
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				
12				Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
<u> </u>	<u>0</u>	= Total Cove		or size, and woody plants less than 5.20 it tall.
Woody Vine Stratum (Plot size: 30' radius)	-	= 10tal 00vc	,ı	Woody vines – All woody vines greater than 3.28 ft in
				height
1		Щ		
2		<u> </u>		
3		Ш		Hydrophytic
4		Ш		Vegetation Present? Yes ⊠ No □
	0	= Total Cove		
Remarks: (include photo number here or on a separate sheet. The site exhibits wetland hydrology indicators and natural significantly disturbed hydrophytic vegetation. Atypical (rally probler	matic hydric so		

Profile Dec	scription: (Describe to	a tha danth	nooded to dee	imont the ind	icator or con	firm the a	heanca	of indicators \	Sampling Point: 49
Profile Des		o the depti	needed to doc			iiiiii uie a	DSence	of indicators.)	
Depth	Matrix			Redox Feat			_	_	
(inches)	Color (moist)		Color (moist)	%	Type ¹	Loc ²		Texture	Remarks
0-27	2.5Y 2.5/1	100					Silt lo		
27-29	2.5Y 3/1	100					Clay I		
29	2.5Y 5/1	100					Clay I	oam	
29+									Too wet too pull up
				<u> </u>					
	· -			 ,					
									-
	· -			<u> </u>		-			_
1Typo: C	Concentration, D=Depl	etion PM	Peducod Motric	MS- Magkad C	Sand Grains		:	² Location: PL=Pore	Lining M-Matrix
	il Indicators:	GUOTI, KIVI=	veduced Matrix,	ivio= iviasked S	Danu Gidilis				ematic Hydric Soils ³ :
-	Histosol (A1)			Polyvalue Belo	w Surface (S8	3) (LRR R .			10) (LRR K, L, MLRA 149B)
	Histic Epipedon (A2)		_	MLRA 149		,			Redox (A16) (LLR K, L, R)
	Black Histic (A3)			Thin Dark Surfa	ace (S9) (LRF	R R, MLRA	149B)		Peat or Peat (S3) (LLR K, L, R)
	Hydrogen Sulfide (A4)			₋oamy Mucky I	Mineral (F1) (LRR K, L)			(S7) (LRR K, L)
	Stratified Layers (A5)			oamy Gleyed					low Surface (S8) (LRR K, L)
	Depleted Below Dark S			Depleted Matrix					rface (S9) (LRR K, L)
	Thick Dark Surface (A	,		Redox Dark Su	` '			-	ese Masses (F12) (LRR K, L, R)
	Sandy Mucky Mineral			Depleted Dark					odplain Soils (F19) (MLRA 149B)
	Sandy Gleyed Matrix (Sandy Redox (S5)	S4)		Redox Depress	sions (Fo)			Red Parent M	(TA6) (MLRA 144A, 145, 149B)
	Stripped Matrix (S6)							_	Dark Surface (TF12)
	Dark Surface (S7) (LR	R R, MLRA	149B)						in in Remarks)
	` ',	·	,					_ ` .	,
³ Indicators	of Hydrophytic vegetat	tion and we	tland hydrology n	nust be present	t, unless distu	irbed or pr	oblemat	ic.	
Restrictive	e Layer (if observed):	:							
	e:						H	Hydric Soil Present	? Yes⊠ No 🗆
	h (inches):								
									he thick dark surface (A12)
	, ,		, ,	,					t the A12 indicator. The site
				ntly disturbed	hydrophytic	vegetation	on due	to farming. Thus,	the site is determined to be
wetland w	vith a naturally proble	ematic hyd	ric soil.						

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: <u>5-14-2019</u> Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 50 Applicant/Owner: __ State: WI Investigator(s): Chris Jors, Shane Heyel, and Zofia Noe: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): slight hillslope Local relief (concave, convex, none): linear Slope (%): 0-2% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Pella silt loam (Ph) NWI classification: F0Kf Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_X_, Soil____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes 🗌 No 🛛 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? □No ⊠Yes within a Wetland? ✓ Yes □No □No Hydric Soils Present? ⊠Yes □No Wetland Hydrology Present? ⊠Yes If yes, optional Wetland Site ID: PCA 5 Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. Sample site has significantly disturbed vegetation due to farming. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) ☐ Surface Water (A1) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) \boxtimes Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) П Water marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Oxidized Rhizospheres on Living Roots (C3) Sediment Deposits (B2) \boxtimes Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) П Recent Iron Reduction in Tilled Soils (C6) Algal Mat or Crust (B4) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Other (Explain in Remarks) Inundation Visible on Aerial Imagery (B7) Microtopographic Relief (D4) \Box Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) **Field Observations:** Surface Water Present? Yes No 🛛 Depth (inches): Water Table Present? Yes 🛛 No 🗌 Depth (inches): 24 Saturation Present? Yes 🖂 No \square Depth (inches): 0 (at surface) Wetland Hydrology Present? Yes 🖂 No \square (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), Aerial Photos (Exhibit 4), and NAIP/FSA Images (Exhibit 12). Remarks: NAIP/FSA image review found the sample site exhibited wetness signatures on 10 out of 10 (100%) images taken with normal antecedent precipitation. Drain tile work was completed in close proximity to this sample site within the last 5 years (see Exhibit 14).

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1	76 COVEL		Status	Number of Dominant Species
2				That are OBL, FACW, or FAC: <u>0</u> (A)
3				Total Number of Dominant
4				Species Across All Strata: <u>0</u> (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 0% (A/B)
7	<u> </u>			Prevalence Index worksheet:
·· <u>—</u>	<u>0</u>	= Total Cove		Total % Cover of: Multiply by:
Sanling/Shrub Stratum (Plot size: 20' radius)	_	- Total Cove	,ı	
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2		_		FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A = Hydrophytic Vegetation Indicators:
7		<u></u>		Rapid Test for Hydrophytic Vegetation
III I O I I I I I I	<u>0</u>	= Total Cove	er	Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)		П		☐ Prevalence Index is ≤3.0¹☐ Morphological Adaptations¹ (Provide supporting
1				data in Remarks or on a separate sheet)
2				☐ Problematic Hydrophytic Vegetation¹ (Explain)
3				¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5				
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>0</u>	= Total Cove	er	Manda vines All woods vines greater than 2.29 ft in
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in height
1				
2				
3				Hydrophytic
4				Vegetation
	<u>0</u>	= Total Cove	er	Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet, present. The site exhibits wetland hydrology indicators a significantly disturbed hydrophytic vegetation. Atypical (and has a h	ydric soil. The		

SAMPLING Point: 50

	scription: (Describe to	the dep	oth needed to				firm the a	bsence	of indicators.)		
Depth	Matrix		· -		Redox Feat	tures		_			
(inches)	Color (moist)	%	Color (mo	oist)	%	Type ¹	Loc ²		Texture	Re	emarks
-15	2.5Y 2.5/1	100						Silt loa	<u>m</u>		
5-19	2.5Y 3/1	100						Clay lo	oam		
9-25	2.5Y 4/1	90	10YR 4/6		10	С	М	Clay lo	oam		
			· -		-						
			· -		-						
			· -		-						
			· -		-						
	Concentration, D=Depl	etion, RM	1=Reduced Ma	atrix, MS	S= Masked S	Sand Grains			Location: PL=Pore Lin		
-	il Indicators: Histosol (A1)		Г	□ Pol	vvalue Belov	w Surface (S	3) (LRR R .		idicators for Problema 2 cm Muck (A10)		
	Histic Epipedon (A2)		-		MLRA 149		o, (= ,		☐ Coast Prairie Re		
	Black Histic (A3)					ace (S9) (LRI		149B)	☐ 5 cm Mucky Pea		
	Hydrogen Sulfide (A4)					Mineral (F1) (LRR K, L)		☐ Dark Surface (S7		
	Stratified Layers (A5) Depleted Below Dark S	Surface (A	_		amy Gleyed oleted Matrix				☐ Polyvalue Below☐ Thin Dark Surface		
	Thick Dark Surface (A		_		dox Dark Su				☐ Iron-Manganese		
	Sandy Mucky Mineral					Surface (F7)			☐ Piedmont Floodp		
	Sandy Gleyed Matrix (S4)		Red	dox Depress	sions (F8)			☐ Mesic Spodic (T/		44A, 145, 149B
	Sandy Redox (S5) Stripped Matrix (S6)								☐ Red Parent Mate☐ Very Shallow Da		F12)
		DD MIE	RA 149B)						Other (Explain in		F12)
	Dark Surface (S7) (LR	1							_ ` ` :	,	
	Dark Surface (S7) (LR	ix ix, ivici	,								
☐ Indicators	of Hydrophytic vegetat	ion and v		ogy mus	st be present	t, unless dist	irbed or pro	oblemati	c.		
Indicators	of Hydrophytic vegetate Layer (if observed):	ion and v		ogy mus	st be present	t, unless dist	irbed or pro				
Indicators Restrictive Type	of Hydrophytic vegetate Layer (if observed):	ion and v		ogy mus	st be present	t, unless disti	irbed or pro		ydric Soil Present?	Yes ⊠	No 🗆
Indicators Restrictive Type Deptl	of Hydrophytic vegetate Layer (if observed):	ion and v		ogy mus	st be present	t, unless dist	irbed or pro			Yes ⊠	No 🗆
Indicators Restrictive Type Deptl	of Hydrophytic vegetate Layer (if observed):	ion and v		ogy mus	et be present	t, unless dist	irbed or pro			Yes ⊠	No 🗆
Indicators Restrictive Type Deptl	of Hydrophytic vegetate Layer (if observed):	ion and v		ogy mus	at be present	t, unless dist	irbed or pre			Yes ⊠	No 🗆
ndicators estrictive Type Deptl	of Hydrophytic vegetate Layer (if observed):	ion and v		ogy mus	at be present	t, unless distu	irbed or pro			Yes ⊠	No 🗆
ndicators estrictive Type Deptl	of Hydrophytic vegetate Layer (if observed):	ion and v		ogy mus	at be present	t, unless distu	irbed or pro			Yes ⊠	No 🗆
ndicators estrictive Type Deptl	of Hydrophytic vegetate Layer (if observed):	ion and v		ogy mus	at be present	t, unless dist	irbed or pro			Yes ⊠	No 🗆
ndicators estrictive Type Deptl	of Hydrophytic vegetate Layer (if observed):	ion and v		ogy mus	at be present	t, unless dist	irbed or pro			Yes ⊠	No 🗆
ndicators estrictive Type Deptl	of Hydrophytic vegetate Layer (if observed):	ion and v		ogy mus	at be present	t, unless distu	irbed or pro			Yes ⊠	No 🗆
ndicators estrictive Type Deptl	of Hydrophytic vegetate Layer (if observed):	ion and v		ogy mus	at be present	t, unless distu	irbed or pro			Yes ⊠	No 🗆
ndicators estrictive Type Deptl	of Hydrophytic vegetate Layer (if observed):	ion and v		ogy mus	at be present	t, unless dist	irbed or pro			Yes ⊠	No 🗆
ndicators estrictive Type Deptl	of Hydrophytic vegetate Layer (if observed):	ion and v		ogy mus	at be present	t, unless dist	irbed or pro			Yes ⊠	No 🗆
ndicators estrictive Type Deptl	of Hydrophytic vegetate Layer (if observed):	ion and v		ogy mus	at be present	t, unless dist	irbed or pro			Yes ⊠	No 🗆
ndicators estrictive Type Deptl	of Hydrophytic vegetate Layer (if observed):	ion and v		ogy mus	at be present	t, unless dist	irbed or pro			Yes ⊠	No 🗆
ndicators estrictive Type Deptl	of Hydrophytic vegetate Layer (if observed):	ion and v		ogy mus	at be present	t, unless dist	irbed or pro			Yes ⊠	No 🗆
ndicators lestrictive Type Deptl	of Hydrophytic vegetate Layer (if observed):	ion and v		ogy mus	at be present	t, unless dist	irbed or pro			Yes ⊠	No 🗆
Indicators Restrictive Type	of Hydrophytic vegetate Layer (if observed):	ion and v		ogy mus	at be present	t, unless dist	irbed or pro			Yes ⊠	No 🗆
Indicators Restrictive Type Deptl	of Hydrophytic vegetate Layer (if observed):	ion and v		ogy mus	at be present	t, unless distu	irbed or pro			Yes ⊠	No 🗆
Indicators Restrictive Type Deptl	of Hydrophytic vegetate Layer (if observed):	ion and v		ogy mus	at be present	t, unless dist	irbed or pro			Yes ⊠	No 🗆
Indicators Restrictive Type Deptl	of Hydrophytic vegetate Layer (if observed):	ion and v		ogy mus	at be present	t, unless dist	irbed or pri			Yes ⊠	No 🗆
Indicators Restrictive Type Deptl	of Hydrophytic vegetate Layer (if observed):	ion and v		ogy mus	at be present	t, unless dist	irbed or pro			Yes ⊠	No 🗆
ndicators lestrictive Type Deptl	of Hydrophytic vegetate Layer (if observed):	ion and v		ogy mus	at be present	t, unless dist	irbed or pro			Yes ⊠	No 🗆

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: <u>5-14-2019</u> Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County State: WI Sampling Point: 51 Applicant/Owner: ___ Investigator(s): Chris Jors, Shane Heyel, and Zofia Noe: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): hillslope Local relief (concave, convex, none): linear Slope (%): 0-2% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Pella silt loam (Ph) NWI classification: F0Kf Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? ⊠No ☐Yes ☐ Yes ⊠No within a Wetland? ⊠Yes □No Hydric Soils Present? ⊠No Wetland Hydrology Present? □Yes If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) ☐ Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) П П ☐ Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) \boxtimes Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) ☐ Presence of Reduced Iron (C4) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Algal Mat or Crust (B4) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) \Box Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No 🖂 Depth (inches): __ Water Table Present? Depth (inches): __ Yes No 🛛 Saturation Present? Yes 🛛 No 🗌 Depth (inches): 0 (at surface) to 6 only Wetland Hydrology Present? Yes No 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), Aerial Photos (Exhibit 4), and NAIP/FSA Images (Exhibit 12). Remarks: NAIP/FSA image review found the sample site area exhibited wetness signatures on 10 out of 10 (100%) images taken with normal antecedent precipitation. However, drain tile improvements were completed within the last 5 years in close proximity to the sample site (Exhibit 14). Only one secondary wetland hydrology indicator observed.

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1	76 COVEL		Status	Number of Dominant Species
2				That are OBL, FACW, or FAC: 0 (A)
3				Total Number of Dominant
				Species Across All Strata: <u>1</u> (B)
4				
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 0% (A/B)
6				Prevalence Index worksheet:
7				
	<u>0</u>	= Total Cove	r	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
	<u>0</u>	= Total Cove	r	☐ Rapid Test for Hydrophytic Vegetation ☐ Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)				☐ Prevalence Index is ≤3.0¹
1. Taraxacum officinale	<u>2</u>	\boxtimes	FACU	☐ Morphological Adaptations¹ (Provide supporting
2	_			data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain)
3				Troblematic Hydrophytic Vegetation (Explain)
				¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5				Definitions of Vegetation Strata:
6				Definitions of Vogetation Otrata.
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>2</u>	= Total Cove	r	Was basins Allered with a constant as 0.00 ft is
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in height
1				
2.				
3.				Hydrophytic
4.				Vegetation
··· ····	<u>0</u>	= Total Cove	 r	Present? Yes ☐ No ☒
Remarks: (include photo number here or on a separate sheet.			•	
` '	, 0			

SOIL Sampling Point: 51

Profile De	scription: (Describe t	o the dep	oth needed to docu	ıment the ind	icator or cor	nfirm the a	bsence of indicators.)	
Depth	Matrix			Redox Feat	tures		_	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
-12	2.5Y 2.5/1	100					Silty clay loam	
2-16	2.5Y 3/1	100					Clay loam	
6-25	2.5Y 5/1	85	10YR 5/4	10	С	PL M	Clay loam	
			10YR 5/8	5	С	PL M		
						,		
		-			-	-	•	
	Concentration, D=Dep	etion, RM	l=Reduced Matrix, I	MS= Masked S	Sand Grains		² Location: PL=Pore L	
-	il Indicators:			Johnson Del	Curta : . (C	0) // DD D	Indicators for Problem	
_	Histosol (A1) Histic Epipedon (A2)		□ F	Polyvalue Belo MLRA 149		8) (LKK K ,		0) (LRR K, L, MLRA 149B) Redox (A16) (LLR K, L, R)
	Black Histic (A3)		П	hin Dark Surfa	,	R R, MLRA		eat or Peat (S3) (LLR K, L, R)
	Hydrogen Sulfide (A4)			oamy Mucky I	Mineral (F1) (☐ Dark Surface (S7) (LRR K, L)
	Stratified Layers (A5)			oamy Gleyed				w Surface (S8) (LRR K, L)
	Depleted Below Dark S Thick Dark Surface (A			Depleted Matrix Redox Dark Su				ace (S9) (LRR K, L) se Masses (F12) (LRR K, L, R)
	Sandy Mucky Mineral			Depleted Dark				dplain Soils (F19) (MLRA 149B)
	Sandy Gleyed Matrix (Redox Depress				(TA6) (MLRA 144A, 145, 149B)
	Sandy Redox (S5)	,		·	, ,		☐ Red Parent Ma	aterial (F21)
	Stripped Matrix (S6)		A 440D)					Dark Surface (TF12)
Ш	Dark Surface (S7) (LR	R R, ML	(A 149B)				Other (Explain	in Remarks)
Indicators	of Hydrophytic vegeta	tion and v	vetland hydrology m	ust be presen	t, unless dist	urbed or pr	oblematic.	
	e Layer (if observed)		, 0,		·	·		
	e:						Hydric Soil Present?	Yes ⊠ No □
	th (inches):							
Remarks:								

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: <u>5-14-2019</u> Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 52 Applicant/Owner: ___ State: WI Investigator(s): Chris Jors, Shane Heyel, and Zofia Noe: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): drainageway Local relief (concave, convex, none): linear, concave Slope (%): 0-3% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Lamartine silt loam (LmB) NWI classification: F0Kf Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No □ (If no, explain in Remarks) Are Vegetation_X_, Soil____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes □ No ⊠ Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? □No ⊠Yes within a Wetland? ✓ Yes □No □No Hydric Soils Present? ⊠Yes □No Wetland Hydrology Present? ⊠Yes If yes, optional Wetland Site ID: PCA 5 Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. Sample site has significantly disturbed vegetation due to farming and scouring when stormwater runoff occurs. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) ☐ Surface Water (A1) □ Drainage Patterns (B10) High Water Table (A2) ☐ Aquatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) П Water marks (B1) ☐ Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Oxidized Rhizospheres on Living Roots (C3) Sediment Deposits (B2) \boxtimes Saturation Visible on Aerial Imagery (C9) \boxtimes Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Other (Explain in Remarks) Inundation Visible on Aerial Imagery (B7) Microtopographic Relief (D4) П Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) **Field Observations:** Surface Water Present? Depth (inches): ___ Yes No 🛛 Water Table Present? No 🛚 Yes Depth (inches): Saturation Present? Yes 🖂 No \square Depth (inches): 0 (at surface) to 2 only Wetland Hydrology Present? No \square Yes 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), Aerial Photos (Exhibit 4), and NAIP/FSA Images (Exhibit 12). Remarks: NAIP/FSA image review found the sample site exhibited wetness signatures on 10 out of 10 (100%) images taken with normal antecedent precipitation. Drain tile work completed in close proximity to this sample site within the last 5 years (see Exhibit 14).

_		D	
Samp	lına	Point:	52

Tree Stratum (Diet size, 20) redius)	Absolute	Dominant	Indicator	Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size: <u>30' radius</u>)	% Cover	Species?	<u>Status</u>	
1				Number of Dominant Species That are OBL, FACW, or FAC: <u>0</u> (A)
2				
3				Total Number of Dominant Species Across All Strata: 0 (B)
4				
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 0% (A/B)
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6			·	Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
··· <u></u>	<u>0</u>	= Total Cove		Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5' radius)	_	= 10tal 00V0	,ı	☐ Dominance Test is >50% ☐ Prevalence Index is ≤3.0¹
				☐ Morphological Adaptations¹ (Provide supporting
1				data in Remarks or on a separate sheet)
2				☐ Problematic Hydrophytic Vegetation¹ (Explain)
3				¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5				
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Harb. All back assess (assessed Andrews
12		П		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
	<u>0</u>	= Total Cove	er	,
Woody Vine Stratum (Plot size: 30' radius)	_			Woody vines – All woody vines greater than 3.28 ft in
		П		height
1		_		
2				
3		<u> </u>		Hydrophytic
4		Ш.		Vegetation Present? Yes ⊠ No □
December (See Indicate of See	0	= Total Cove		
Remarks: (include photo number here or on a separate sheet. Surface scouring has also prevented establishment of v				
Therefore, the site was determined to be wetland with s				
		·	. ,	,

SOIL Sampling Point: 52

Donth								bsence	or maroatorory		
Depth	Matrix				Redox Feat			_			
(inches)	Color (moist)	%	Color (n	noist)	%	Type ¹	Loc ²		Texture	Rer	marks
)-8	2.5Y 2.5/1	100						Silt lo	am		
3-26	2.5Y 5/2	65	10YR 5/8		35	С	М	Clay I	oam		
	-		· ·								
	· 										
Turner C /	Concentration D. Donl	ation DA	1 Doduced M	latrix N	AC Mooked C	Sand Crains			21 agatiani DI Dara Li	ning M Motrix	
	Concentration, D=Deplication il Indicators:	etion, KN	ri=Keaucea IV	iatrix, N	vio= iviasked S	sand Grains			² Location: PL=Pore Li		nile ³ ·
-	Histosol (A1)			ПР	olyvalue Belov	w Surface (S	3) (LRR R .		2 cm Muck (A10	•	
	Histic Epipedon (A2)				MLRA 149		o, (=,		☐ Coast Prairie R		
	Black Histic (A3)			□ T	hin Dark Surfa	ace (S9) (LRF	RR, MLRA	149B)	☐ 5 cm Mucky Pe		
	Hydrogen Sulfide (A4)				oamy Mucky N		LRR K, L)		☐ Dark Surface (S		
	Stratified Layers (A5)				oamy Gleyed				Polyvalue Belov		
	Depleted Below Dark		(A11)		epleted Matri				☐ Thin Dark Surfa		
	Thick Dark Surface (A. Sandy Mucky Mineral				ledox Dark Su epleted Dark				☐ Iron-Manganes		
	Sandy Gleyed Matrix (ledox Depress				☐ Mesic Spodic (
	Sandy Redox (S5)	/		_					☐ Red Parent Mat		
	Stripped Matrix (S6)								☐ Very Shallow D		12)
	Dark Surface (S7) (LR	R R, MLF	RA 149B)						Other (Explain i	n Remarks)	
	of Hydrophytic vegetat	ion and w	votland bydro	loav m	ust he present	t unloce diet	irbod or pr	obloma	io		
Indicators			velianu nyuru	logy III	ust be present	i, uriiess disit	inbed of pr	ODIEITIAI			
Restrictive	Layer (if observed):							- 1	Hydric Soil Present?	Yes 🕅	No \square
Restrictive Type	Layer (if observed):							ı	Hydric Soil Present?	Yes ⊠	No 🗌
Restrictive Type Deptl	e Layer (if observed): : h (inches):		ive to other	sampl	e sites, is du	e to scourin	g/erosion			Yes ⊠	No 🗌
Restrictive Type Deptl	Layer (if observed):		ive to other	sampl	e sites, is du	e to scourin	g/erosion			Yes ⊠	No 🗌
Restrictive Type Deptl	e Layer (if observed): : h (inches):		ive to other	sampl	e sites, is du	e to scourin	g/erosion			Yes ⊠	No 🗌
Restrictive Type Deptl	e Layer (if observed): : h (inches):		ive to other	sampl	e sites, is du	e to scourin	g/erosion			Yes ⊠	No 🗆
Restrictive Type Deptl	e Layer (if observed): : h (inches):		ive to other	sampl	e sites, is du	e to scourin	g/erosion			Yes ⊠	No 🗆
Restrictive Type Deptl	e Layer (if observed): : h (inches):		ive to other	sampl	e sites, is du	e to scourin	g/erosion			Yes ⊠	No 🗆
Restrictive Type Deptl	e Layer (if observed): : h (inches):		ive to other	sampl	e sites, is du	e to scourin	g/erosion			Yes ⊠	No 🗆
Restrictive Type Deptl	e Layer (if observed): : h (inches):		ive to other	sampl	e sites, is du	e to scourin	g/erosion			Yes ⊠	No 🗆
Restrictive Type Deptl	e Layer (if observed): : h (inches):		ive to other	sampl	e sites, is du	e to scourin	g/erosion			Yes ⊠	No 🗆
Restrictive Type Deptl	e Layer (if observed): : h (inches):		ive to other	sampl	e sites, is du	e to scourin	g/erosion			Yes ⊠	No 🗆
Restrictive Type Deptl	e Layer (if observed): : h (inches):		ive to other	sampl	e sites, is du	e to scourin	g/erosion			Yes ⊠	No 🗆
Restrictive Type Deptl	e Layer (if observed): : h (inches):		ive to other	sampl	e sites, is du	e to scourin	g/erosion			Yes ⊠	No 🗆
Restrictive Type Deptl	e Layer (if observed): : h (inches):		ive to other	sampl	e sites, is du	e to scourin	g/erosion			Yes ⊠	No
Restrictive Type Deptl	e Layer (if observed): : h (inches):		ive to other	sampl	e sites, is du	e to scourin	g/erosion			Yes ⊠	No
Restrictive Type Deptl	e Layer (if observed): : h (inches):		ive to other	sampl	e sites, is du	e to scourin	g/erosion			Yes ⊠	No
Restrictive Type Deptl	e Layer (if observed): : h (inches):		ive to other	sampl	e sites, is du	e to scourin	g/erosion			Yes ⊠	No -
Restrictive Type Deptl	e Layer (if observed): : h (inches):		ive to other	sampl	e sites, is du	e to scourin	g/erosion			Yes ⊠	No -
Restrictive Type Deptl	e Layer (if observed): : h (inches):		ive to other	sampl	e sites, is du	e to scourin	g/erosion			Yes 🖂	No
Restrictive Type Deptl	e Layer (if observed): : h (inches):		ive to other	sampl	e sites, is du	e to scourin	g/erosion			Yes 🖂	No -
Restrictive Type Deptl	e Layer (if observed): : h (inches):		ive to other	sampl	e sites, is du	e to scourin	g/erosion			Yes 🖂	No -
Restrictive Type Deptl	e Layer (if observed): : h (inches):		ive to other	sampl	e sites, is du	e to scourin	g/erosion			Yes 🖂	No -
Restrictive Type Deptl	e Layer (if observed): : h (inches):		ive to other	sampl	e sites, is du	e to scourin	g/erosion			Yes ⊠	No -

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: <u>5-14-2019</u> Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 53 Applicant/Owner: __ State: WI Investigator(s): Chris Jors, Shane Heyel, and Zofia Noe: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): hillslope Local relief (concave, convex, none): linear Slope (%): 0-3% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Lamartine silt loam (LmB) NWI classification: None Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? ⊠No ☐Yes ⊠No within a Wetland? ☐ Yes □Yes ⊠No Hydric Soils Present? ⊠No Wetland Hydrology Present? □Yes If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) П П ☐ Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) \boxtimes Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) ☐ Presence of Reduced Iron (C4) Drift Deposits (B3) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) \Box Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) **Field Observations:** Surface Water Present? Yes No 🖂 Depth (inches): _ Water Table Present? Yes \boxtimes Depth (inches): _ No Saturation Present? Yes No 🖂 Depth (inches): Wetland Hydrology Present? Yes No 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), Aerial Photos (Exhibit 4), and NAIP/FSA Images (Exhibit 12). Remarks: NAIP/FSA image review found the sample site area exhibited wetness signatures on 10 out of 10 (100%) images taken with normal antecedent precipitation. However, drain tile work was completed in the vicinity of the sample site within the last 5 years (Exhibit 14). Only one secondary wetland hydrology indicator was observed.

Tree Stratum (Plot size: 30' radius)	Absolute <u>% Cover</u>	Dominant Species?	Indicator <u>Status</u>	Dominance Test worksheet:
1	<u>/// 00/01</u>		<u>Otatao</u>	Number of Dominant Species
2				That are OBL, FACW, or FAC: 0 (A)
3				Total Number of Dominant
4				Species Across All Strata: <u>0</u> (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 0% (A/B)
				Prevalence Index worksheet:
7	<u>0</u>			
	<u> </u>	= Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation
	<u>0</u>	= Total Cover	r	Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)				☐ Prevalence Index is ≤3.0¹
1				☐ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
2				☐ Problematic Hydrophytic Vegetation¹ (Explain)
3				
4				Indicators of hydric soil and wetland hydrology must Be present, unless disturbed or problematic.
5				be present, unless disturbed of problematic.
6				Definitions of Vegetation Strata:
				- W. J. J. S. (7.0.)
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height
8				
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb - All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>0</u>	= Total Cover	r	Woody vines – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30' radius)				height
1				
2				
3				Hydrophytic
4				Vegetation
	<u>0</u>	= Total Cover	r	Present? Yes ☐ No ☒
Remarks: (include photo number here or on a separate sheet.) Agricultura	al field with only	y stubble f	rom previous year's corn crop present.

Profile De	scription: (Describe to	the dep	oth needed to docu	ment the indi	icator or cor	nfirm the al	osence of indicators.)	
Depth	Matrix			Redox Feat	ures			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-16	2.5Y 2.5/1	100					Silt loam	
16-28	2.5Y 5/2	55	10YR 5/8	45	С	PL M	Clay loam	
			•					
			•					
			-					
	·				-			
Type: C=	Concentration, D=Depl	etion, RM	1=Reduced Matrix, N	/IS= Masked S	Sand Grains		² Location: PL=Pore I	Lining, M=Matrix
-	il Indicators:						Indicators for Proble	
	Histosol (A1)		☐ P	olyvalue Belov		8) (LRR R ,		10) (LRR K, L, MLRA 149B)
	Histic Epipedon (A2) Black Histic (A3)		Пт	MLRA 149 hin Dark Surfa	,	R MIRA		Redox (A16) (LLR K, L, R) reat or Peat (S3) (LLR K, L, I
	Hydrogen Sulfide (A4)			oamy Mucky N				(S7) (LRR K, L)
	Stratified Layers (A5)			oamy Gleyed		, , ,		ow Surface (S8) (LRR K, L)
	Depleted Below Dark S			epleted Matrix				face (S9) (LRR K, L)
	Thick Dark Surface (A1			edox Dark Su			_	se Masses (F12) (LRR K, L,
	Sandy Mucky Mineral (Sandy Gleyed Matrix (epleted Dark sedox Depress				odplain Soils (F19) (MLRA 1 4 (TA6) (MLRA 144A, 145, 1 4
	Sandy Redox (S5)	54)		edox Depress	SIONS (FO)		Red Parent M	
	Stripped Matrix (S6)							Dark Surface (TF12)
	Dark Surface (S7) (LR	R R, MLF	RA 149B)				Other (Explain	in Remarks)
21 12 4			4 11 1					
	of Hydrophytic vegetate e Layer (if observed):		vetland hydrology m	ust be present	t, unless disti	urbed or pro	oblematic.	
	e Layer (ii observed). ::						Hydric Soil Present?	P Yes □ No ⊠
	h (inches):						nyaric Soil Present?	res 🔲 NO 🖂
	No hydric soil indicat	ors obse	erved.					
tomanto. I	i vo riyario con maicat	0.0 0.00	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					

WETLAND DETERMINATION D	OATA FORM – Northo	entral and Northeast	Region			
	unty: Village of Sussex/Wauke		Sampling Date: <u>5-14-2019</u>			
Applicant/Owner:		State: WI	Sampling Point: 54			
Investigator(s): Chris Jors, Shane Heyel, and Zofia Noe: SEWRPC		e: SW Quarter, Section 21, T8				
Landform (hillslope, terrace, etc.): slight hillslope	Local relief (concave, cor	, 	Slope (%): <u>0-2%</u>			
Subregion (LRR or MLRA): <u>LRR K</u> Soil Map Unit Name: <u>Brookston silt loam (BsA)</u>	Lat: Long: _		assification: F0Kf			
Are climatic/hydrologic conditions on the site typical for this time of ye	ear? Yes⊠ No □	(If no, explain in Remarks)	assilication. <u>Forti</u>			
Are Vegetation_X_, Soil, or Hydrology significantly distu		umstances" present? Yes	No ⊠			
Are Vegetation, Soil, or Hydrology naturally probler		in any answers in Remarks.)	-			
SUMMARY OF FINDINGS – Attach site map showing		ons, transects, importa	ant features, etc.			
	, camping point room					
Hydrophytic Vegetation Present? ☐Yes ☐No	Is the Sampled Are	ea ea				
Hydric Soils Present?	within a Wetland?	⊠ Yes	□No			
Wetland Hydrology Present? ☐ Yes ☐ No						
	If yes, optional Wetl					
Remarks: (Explain alternative procedures here or in a separate rep	ort.) 90-day antecedent pre	ecipitation is normal. The sa	ample site has significantly			
disturbed vegetation due to farming.						
HYDROLOGY						
Wetland Hydrology Indicators:		Secondary Indic	ators (minimum of two required)			
Primary Indicators (minimum of one is required; check all that apply	<u>)</u>	☐ Surface So	il Cracks (B6)			
☐ Surface Water (A1) ☐ Wate	r-Stained Leaves (B9)		Patterns (B10)			
	itic Fauna (B13)					
	Deposits (B15)	·	n Water Table (C2)			
	ogen Sulfide Odor (C1)		urrows (C8)			
Sediment Deposits (B2) Oxidi	zed Rhizospheres on Living R		Visible on Aerial Imagery (C9)			
☐ Drift Deposits (B3) ☐ Preso	ence of Reduced Iron (C4)		Stressed Plants (D1)			
Algal Mat or Crust (B4)	nt Iron Reduction in Tilled Soil		ic Position (D2)			
☐ Iron Deposits (B5) ☐ Thin	Muck Surface (C7)	Shallow Ac	quitard (D3)			
☐ Inundation Visible on Aerial Imagery (B7) ☐ Othe	r (Explain in Remarks)	☐ Microtopog	raphic Relief (D4)			
Sparsely Vegetated Concave Surface (B8)		FAC-Neutr	al Test (D5)			
Field Observations:		<u>—</u>				
Surface Water Present? Yes No Depth (inches):						
Water Table Present? Yes ⊠ No ☐ Depth (inches):	<u>24</u>					
Saturation Present? Yes ⊠ No ☐ Depth (inches):	0 (at surface)	Wetland Hydrology Presen	t? Yes⊠ No □			
(includes capillary fringe)		Welland Hydrology Fresch	. 165 🖂 116 🗀			
Describe Recorded Data (stream gauge, monitoring well, aerial pho		vailable: Topo Map (Exhibit 1)	, WWI Map (Exhibit 2), Soils Map			
(Exhibit 3), Aerial Photos (Exhibit 4), and NAIP/FSA Images (Exhibit	t 12).					
D. I. NAID/COA impage on the second described on the second of the secon		40 40 (4000/	Vincent Allegarith as a second			
Remarks: NAIP/FSA image review found the sample site are antecedent precipitation. Drain tile work completed in close	_					
antecedent precipitation. Drain the work completed in close	proximity to this sample site	e within the last 5 years (see	e Exhibit 14).			

_			
Sama	lina	Daint	Ε Λ
Samp	III IU	r onn.	04

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1	76 COVEL		Status	Number of Dominant Species
2				That are OBL, FACW, or FAC: <u>0</u> (A)
3				Total Number of Dominant
4	·			Species Across All Strata: <u>0</u> (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 0% (A/B)
7				Prevalence Index worksheet:
·· <u>—</u>	<u>0</u>	= Total Cove		Total % Cover of: Multiply by:
Cooling/Chruh Ctratum (Plot aiza: 201 radius)	-	= Total Cove	71	
Sapling/Shrub Stratum (Plot size: 30' radius)		П		OBL species x 1 =
1	-			FACW species x 2 =
2		_		FAC species x 3 =
3	-			FACU species x 4 =
4				UPL species x 5 =
5	-			Column Totals: (A) (B)
6				Prevalence Index = B/A = Hydrophytic Vegetation Indicators:
7				Rapid Test for Hydrophytic Vegetation
	<u>0</u>	= Total Cove	er	Dominance Test is >50%
Herb Stratum (Plot size: <u>5' radius</u>)				☐ Prevalence Index is ≤3.0¹☐ Morphological Adaptations¹ (Provide supporting
1	-			data in Remarks or on a separate sheet)
2				☐ Problematic Hydrophytic Vegetation¹ (Explain)
3				¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5				
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10	-			and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>0</u>	= Total Cove	er	Manda di Caranta di Ca
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in height
1				
2				
3				Hydrophytic
4				Vegetation
	<u>0</u>	= Total Cove	er	Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet, present. The site exhibits wetland hydrology indicators a significantly disturbed hydrophytic vegetation. Atypical (and has a h	ydric soil. The		

		o the dep	oth needed to d			nfirm the a	bsence of indicators.)		
Depth	Matrix			Redox Fea	tures		_		
(inches)	Color (moist)	%	Color (moi	st) %	Type ¹	Loc ²	Texture	Re	emarks
-15	N 2.5/	100					Muck		
5-23	5Y 4/2	85	10YR 4/6	15	C	M	Clay loam	with dolomite	
3-25	5Y 4/2	85	10YR 4/6	15	C	M	Loamy sand	with grit	
						-	-	_	
							-	_	
	_								
								_	
			·						
			· -						
Type: C=	-Concentration, D=Depl	etion RM	1-Reduced Mate	rix MS= Masked S	Sand Grains		² Location: PL=Pore	- Lining M-Matri	·
	oil Indicators:	otion, reiv	I-I (Caacca Mati	nx, we wastea	odria Oramo		Indicators for Prob		
_	Histosol (A1)			,	,	8) (LRR R		A10) (LRR K, L,	
	Histic Epipedon (A2) Black Histic (A3)		Г	MLRA 149 Thin Dark Surf	,	R R. MIRA		e Redox (A16) (L l Peat or Peat (S3	
	Hydrogen Sulfide (A4)							e (S7) (LRR K, L)	
	Stratified Layers (A5)			. , ,				elow Surface (S8)	
	Depleted Below Dark S							urface (S9) (LRR	
	Thick Dark Surface (A Sandy Mucky Mineral							nese Masses (F12 oodplain Soils (F1	
	Sandy Gleyed Matrix (_				c (TA6) (MLRA 1	
	Sandy Redox (S5)	,		•	, ,		☐ Red Parent	Material (F21)	
	Stripped Matrix (S6)							v Dark Surface (T	F12)
Ш	Dark Surface (S7) (LR	R R, ML	RA 149B)				U Other (Expla	ain in Remarks)	
		ion and v	vetland hydrolog	y must be presen	nt, unless dist	urbed or pr	oblematic.		
Restrictive	e Layer (if observed):							_	
Restrictive Type	e Layer (if observed):						Hydric Soil Presen	t? Yes ⊠	No 🗆
Restrictive Type Dept	e Layer (if observed):						Hydric Soil Presen	t? Yes ⊠	No 🗆
Restrictive Type Dept	e Layer (if observed):						Hydric Soil Presen	t? Yes ⊠	No 🗆
Restrictive Type Dept	e Layer (if observed):						Hydric Soil Presen	t? Yes ⊠	No 🗆
Restrictive Type Dept	e Layer (if observed):						Hydric Soil Presen	t? Yes ⊠	No 🗆
Restrictive Type Dept	e Layer (if observed):						Hydric Soil Presen	t? Yes ⊠	No 🗆
Restrictive Type Dept	e Layer (if observed):						Hydric Soil Presen	t? Yes ⊠	No 🗆
Restrictive Type Dept	e Layer (if observed):						Hydric Soil Presen	t? Yes ⊠	No 🗆
Restrictive Type Dept	e Layer (if observed):						Hydric Soil Presen	t? Yes ⊠	No 🗆
Restrictive Type Dept	e Layer (if observed):						Hydric Soil Presen	t? Yes ⊠	No 🗆
Restrictive Type Dept	e Layer (if observed):						Hydric Soil Presen	t? Yes ⊠	No 🗆
Restrictive Type Dept	e Layer (if observed):						Hydric Soil Presen	t? Yes ⊠	No
Restrictive Type Dept	e Layer (if observed):						Hydric Soil Presen	t? Yes ⊠	No
Restrictive Type Dept	e Layer (if observed):						Hydric Soil Presen	t? Yes ⊠	No
Restrictive Type Dept	e Layer (if observed):						Hydric Soil Presen	t? Yes ⊠	No
Restrictive Type Dept	e Layer (if observed):						Hydric Soil Presen	t? Yes ⊠	No
Restrictive Type Dept	e Layer (if observed):						Hydric Soil Presen	t? Yes ⊠	No
Restrictive Type	e Layer (if observed):						Hydric Soil Presen	t? Yes ⊠	No
Restrictive Type Dept	e Layer (if observed):						Hydric Soil Presen	t? Yes ⊠	No
Restrictive Type Dept	e Layer (if observed):						Hydric Soil Presen	t? Yes ⊠	No
Restrictive Type Dept	e Layer (if observed):						Hydric Soil Presen	t? Yes ⊠	No

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: <u>5-14-2019</u> Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County State: WI Sampling Point: 55 Applicant/Owner: __ Investigator(s): Chris Jors, Shane Heyel, and Zofia Noe: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): slight hillslope Local relief (concave, convex, none): linear Slope (%): 0-2% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Palms muck (Pa) NWI classification: F0Kf Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? ⊠No ☐Yes ☐ Yes ⊠No within a Wetland? ⊠Yes □No Hydric Soils Present? ⊠No Wetland Hydrology Present? □Yes If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) ☐ Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) П П ☐ Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) \boxtimes Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) ☐ Presence of Reduced Iron (C4) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Algal Mat or Crust (B4) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) \Box Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) **Field Observations:** Surface Water Present? Yes No 🖂 Depth (inches): __ Water Table Present? Depth (inches): __ Yes \boxtimes No Saturation Present? Yes 🛛 No 🗌 Depth (inches): 0 (at surface) to 6 only Wetland Hydrology Present? Yes No 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4). Remarks: NAIP/FSA image review found the sample site area exhibited wetness signatures on 10 out of 10 (100%) images taken with normal antecedent precipitation. However, drain tile improvements were completed in the vicinity of the sample site within the last 5 years (Exhibit 14). Only one secondary wetland hydrology indicator observed.

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1	76 COVEL		Status	Number of Dominant Species
2				That are OBL, FACW, or FAC: 0 (A)
3				Total Number of Dominant
				Species Across All Strata: <u>2</u> (B)
4				
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 0% (A/B)
6				
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)		_		OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
	<u>0</u>	= Total Cove	r	☐ Rapid Test for Hydrophytic Vegetation ☐ Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)				☐ Prevalence Index is ≤3.0¹
1. Arctium minus	<u>1</u>	\boxtimes	FACU	☐ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
2. Medicago lupulina	<u>1</u>	\boxtimes	FACU	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3				
4				Indicators of hydric soil and wetland hydrology must Be present, unless disturbed or problematic.
5				be present, unless disturbed of problematic.
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height
8				
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb - All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>2</u>	= Total Cove	er	Woody vines – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30' radius)		_		height
1				
2				
3				Hydrophytic
4				Vegetation No. 7
	<u>0</u>	= Total Cove	er	Present? Yes ☐ No ☒
Remarks: (include photo number here or on a separate sheet.) Agricultura	al field.		

Profile De	scription: (Describe to	the dep	oth needed to do			nfirm the a	bsence of indicators.)		
Depth	Matrix			Redox Feat	ures		_		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
)-15	5Y 2.5/1	100					Silt loam		
5-25	5Y 5/2	93	2.5Y 5/4	7	C	M	Clay loam		
25-25	2.5Y 5/2	93	2.5Y 5/6	7	C	M	Sandy loam		
	- <u></u>								
	·		-						
	·								
	·								
	·		<u> </u>						
	·		<u> </u>						
	·		<u> </u>						
Type: C=	Concentration, D=Depl	etion. RN	/=Reduced Matrix	MS= Masked S	Sand Grains		² Location: PL=Pore I	ining, M=Matrix	
	il Indicators:			,			Indicators for Proble		
	Histosol (A1)			Polyvalue Belov		8) (LRR R,		10) (LRR K, L, MLRA 149	
	Histic Epipedon (A2)			MLRA 149	,	D D MI DA		Redox (A16) (LLR K, L, R)	
	Black Histic (A3) Hydrogen Sulfide (A4)		H	Thin Dark Surfa Loamy Mucky N				eat or Peat (S3) (LLR K, L (S7) (LRR K, L)	., K)
	Stratified Layers (A5)			Loamy Gleyed				ow Surface (S8) (LRR K, L	_)
	Depleted Below Dark S		A11)	Depleted Matrix	(F3)		☐ Thin Dark Surf	face (S9) (LRR K, L)	
	Thick Dark Surface (A			Redox Dark Su				se Masses (F12) (LRR K, I	
	Sandy Mucky Mineral (Sandy Gleyed Matrix (Depleted Dark Redox Depress				odplain Soils (F19) (MLRA (TA6) (MLRA 144A, 145, 1	
	Sandy Redox (S5)	34)		Redux Depress	510115 (1-0)		Red Parent Ma		1430)
	Stripped Matrix (S6)							Dark Surface (TF12)	
	Dark Surface (S7) (LR	R R, MLI	RA 149B)				☐ Other (Explain	in Remarks)	
Indicators	of Hydrophytic vegetat	ion and v	wetland hydrology	must he present	t unless disti	irhed or nr	hlematic		
	e Layer (if observed):		wouldn't Hydrology	made so process	t, arnoco alot	arboa or pro	Joint Mario.		
Туре	e:						Hydric Soil Present?	Yes⊠ No □	
Dept	h (inches):								
Remarks:									

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: <u>5-14-2019</u> Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County State: WI Sampling Point: 56 Applicant/Owner: __ Investigator(s): Chris Jors, Shane Heyel, and Zofia Noe: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): slight hillslope Local relief (concave, convex, none): linear Slope (%): 0-2% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Brookston silt loam (BsA) NWI classification: F0Kf Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? ⊠No □Yes ☐ Yes ⊠No within a Wetland? ⊠Yes □No Hydric Soils Present? ⊠No Wetland Hydrology Present? □Yes If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) ☐ Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) ☐ Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) П П ☐ Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) \boxtimes Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) ☐ Presence of Reduced Iron (C4) Drift Deposits (B3) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) \Box Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) **Field Observations:** Surface Water Present? Yes No 🖂 Depth (inches): __ Water Table Present? Depth (inches): __ Yes No 🛛 Saturation Present? Yes 🛛 No 🗌 Depth (inches): 0 (at surface) to 3 only Wetland Hydrology Present? Yes No 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), Aerial Photos (Exhibit 4), and NAIP/FSA Images (Exhibit 12). Remarks: NAIP/FSA image review found the sample site area exhibited wetness signatures on 10 out of 10 (100%) images taken with normal antecedent precipitation. The sample site is in the FEMA-mapped floodway, but geomorphic position (D2) is not checked due to the presence of a drain tile system which was upgraded within the last 5 years (Exhibit 14). Only one secondary wetland hydrology indicator observed.

Tree Stratum (Plot size: 30' radius)	Absolute <u>% Cover</u>	Dominant Species?	Indicator Status	Dominance Test worksheet:
1	70 COVEL		Status	Number of Dominant Species
2				That are OBL, FACW, or FAC: 1 (A)
3				
				Total Number of Dominant Species Across All Strata: 2 (B)
4				
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 50% (A/B)
6				
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	r	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
·· <u> </u>	<u>0</u>	= Total Cove		Rapid Test for Hydrophytic Vegetation
Harb Stratum (Plat aiza: E' radiua)	<u> </u>	= Total Cove	1	☐ Dominance Test is >50% ☐ Prevalence Index is ≤3.0¹
Herb Stratum (Plot size: 5' radius)	1		FACU	☐ Morphological Adaptations¹ (Provide supporting
1. Chenopodium album	1			data in Remarks or on a separate sheet)
2. Ranunculus sceleratus	1		<u>OBL</u>	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3				¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5				
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				
12				Herb – All herbaceous (non-woody) plants, regardless
12	<u>2</u>	= Total Cove		of size, and woody plants less than 3.28 ft tall.
West half as Otratum (Distrator 20) and fine	<u> </u>	= Total Cove	1	Woody vines - All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30' radius)				height
1				
2		Щ		
3		ш		Hydrophytic
4				Vegetation Present? Yes □ No □
	<u>0</u>	= Total Cove	r	Present? Yes ☐ No ☒
Remarks: (include photo number here or on a separate sheet.) Agricultur	ai ileiu.		

Sampling Point: 56

Profile Des	scription: (Describe t	o the dep	oth needed to do	ument the indi	cator or cor	nfirm the a	bsence of indicators.)		
Depth	Matrix			Redox Feat	ures		_		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Re	emarks
-3	N 2.5/	100					Muck		
-9	N 2.5/	100					Loam		
-13	2.5Y 4/1	95	10YR 4/6	5	C	М	Clay loam		
3-27	5Y 4/2	93	10YR 4/6	7	C	М	Clay loam		
	-								
						_			
							-		
	-								
	Concentration, D=Depl	letion, RM	l=Reduced Matrix	MS= Masked S	and Grains		² Location: PL=Pore		
-	il Indicators:			Data 1 D 1		0) (1.55.5	Indicators for Proble		
_	Histosol (A1) Histic Epipedon (A2)		Ц	Polyvalue Belov MLRA 149I		8) (LRR R,		A10) (LRR K, L, Redox (A16) (L I	
	Black Histic (A3)			Thin Dark Surfa	,	R R. MLRA		Peat or Peat (S3)	
	Hydrogen Sulfide (A4)			Loamy Mucky M				(S7) (LRR K, L)	
	Stratified Layers (A5)			Loamy Gleyed I				ow Surface (S8)	
	Depleted Below Dark		_	Depleted Matri				face (S9) (LRR	
	Thick Dark Surface (A Sandy Mucky Mineral			Redox Dark Sur Depleted Dark S					2) (LRR K, L, R) 19) (MLRA 149B)
	Sandy Gleyed Matrix (H	Redox Depressi					44A, 145, 149B)
	Sandy Redox (S5)	,	_	•	,		☐ Red Parent M	laterial (F21)	
	Stripped Matrix (S6)							Dark Surface (T	F12)
Ш	Dark Surface (S7) (LR	R R, ML	RA 149B)				Other (Explain	n in Remarks)	
Indicators	of Hydrophytic vegeta	tion and v	vetland hydrology	must be present	, unless dist	urbed or pro	oblematic.		
	E Layer (if observed)		, 0,	•	,	· ·			
Type	:						Hydric Soil Present	? Yes ⊠	No 🗌
Deptl	h (inches):								
temarks:									

WETLAND DETERMINAT	ION DATA FORM – Northo	entral and Northeast R	egion
Project/Site: <u>Hickory Hill Farms, Inc.</u> Applicant/Owner:	City/County: Village of Sussex/Wauk	esha County State: <u>WI</u>	Sampling Date: 5-14-2019 Sampling Point: 57
Investigator(s): <u>Chris Jors, Shane Heyel, and Zofia Noe: SEV</u> Landform (hillslope, terrace, etc.): <u>slight depression</u> Subregion (LRR or MLRA): <u>LRR K</u> Soil Map Unit Name: <u>Brookston silt loam (BsA)</u>	Local relief (concave, con Lat: Long:	Datum: NWI classi	R19 <u>E</u> Slope (%): <u>0-2%</u> fication: <u>F0Kf</u>
Are climatic/hydrologic conditions on the site typical for this tir Are Vegetation, Soil, or Hydrology significal Are Vegetation, Soil, or Hydrology naturally SUMMARY OF FINDINGS – Attach site map sh	ntly disturbed? Are "Normal Circur problematic? (If, needed, explain	(If no, explain in Remarks) umstances" present? Yes ⊠ in any answers in Remarks.) ons, transects, important	No □
Hydrophytic Vegetation Present?	within a Wetland?	⊠ Yes	□No
Remarks: (Explain alternative procedures here or in a sepa were found when digging the soil pit.	If yes, optional Wet rate report.) 90-day antecedent pr		en clay drain tile pieces
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary Indicato	rs (minimum of two required)
Primary Indicators (minimum of one is required; check all that	at apply)	☐ Surface Soil C	racks (B6)
Surface Water (A1)	Water-Stained Leaves (B9)	Drainage Patte	erns (B10)
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lin	es (B16)
Saturation (A3) □	Marl Deposits (B15)	☐ Dry-Season W	/ater Table (C2)
Water marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	Hydrogen Sulfide Odor (C1)	Crayfish Burro	ws (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living R	oots (C3) Saturation Vi	sible on Aerial Imagery (C9)
☐ Drift Deposits (B3) ☐	Presence of Reduced Iron (C4)	Stunted or Str	essed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soi	ls (C6) Geomorphic P	Position (D2)
☐ Iron Deposits (B5)	_	Shallow Aquita	ard (D3)
Inundation Visible on Aerial Imagery (B7)	_		hic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	_	FAC-Neutral T	est (D5)
Field Observations:			()
Surface Water Present? Yes ☐ No ☑ Depth (i	inches):		
Water Table Present? Yes ⊠ No ☐ Depth (i	inches): <u>28</u>		
Saturation Present? Yes ⊠ No ☐ Depth (i	inches): 0 (at surface)	Wetland Hydrology Present?	Yes⊠ No □
(includes capillary fringe)			
Describe Recorded Data (stream gauge, monitoring well, ae (Exhibit 3), and Aerial Photos (Exhibit 4).	rial photos, previous inspections), if a	vailable: Topo Map (Exhibit 1), W	WI Map (Exhibit 2), Soils Map
Remarks: NAIP/FSA image review found the sample s	site area exhibited wetness signat	ures on 10 out of 10 (100%) in	nages taken with normal
antecedent precipitation. The sample site is in the FE of a drain tile system which was upgraded within the I		orphic position (D2) is not chec	ked due to the presence

Sampling Point: 57

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator <u>Status</u>	Dominance Test worksheet:
1	70 COVE		<u>Otatus</u>	Number of Dominant Species
2				That are OBL, FACW, or FAC: 2 (A)
3				Total Number of Dominant
4				Species Across All Strata: <u>2</u> (B)
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)
6				
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cover	•	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
	<u>0</u>	= Total Cover		☐ Rapid Test for Hydrophytic Vegetation ☐ Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)				☐ Prevalence Index is ≤3.0¹
1. Ambrosia trifida	<u>1</u>	\boxtimes	FAC	☐ Morphological Adaptations¹ (Provide supporting
2. Veronica peregrina	<u>1</u>	\boxtimes	FAC	data in Remarks or on a separate sheet)
3	_			☐ Problematic Hydrophytic Vegetation¹ (Explain)
				¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5				Definitions of Vegetation Strata:
6				Definitions of Vegetation Strata.
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>2</u>	= Total Cover	-	
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in height
1				noight
2.				
3				Hadaaalada
4				Hydrophytic Vegetation
4	<u>2</u>	= Total Cover	. —	Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet.				
Tremarks. (moldae priote framber fiere of our a separate shoet.	.) / ttypioai (i	arriod) Wotland	۵.	

Profile De		o tne dep	oth needed to doci			itirm the a	bsence of indicators.)		
Depth	Matrix			Redox Feat			_		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Rema	arks
0-12	N 2.5/	100					Muck		
12-17	2.5Y 3/1	97	10YR 4/4	3	C	M	Clay loam		
17-30	5Y 4/2	95	10YR 4/6	5	C	M	Clay loam		
							·		
		-							
			'						
		-							
		-					-		
	Concentration, D=Dep	letion, RM	/=Reduced Matrix,	MS= Masked S	Sand Grains		² Location: PL=Pore L		
-	il Indicators:					0) (1.55.5	Indicators for Problem	•	
	Histosol (A1) Histic Epipedon (A2)		□ 1	Polyvalue Belov MLRA 149		8) (LRR R,		0) (LRR K, L, MLF Redox (A16) (LLR I	
	Black Histic (A3)	1	П -	Thin Dark Surfa	,	R R. MLRA		eat or Peat (S3) (L	
	Hydrogen Sulfide (A4))		_oamy Mucky N			☐ Dark Surface (\$, _,,
	Stratified Layers (A5)			oamy Gleyed				w Surface (S8) (LI	
	Depleted Below Dark			Depleted Matrix				ace (S9) (LRR K, I	
	Thick Dark Surface (Redox Dark Su				se Masses (F12) (L	
	Sandy Mucky Mineral Sandy Gleyed Matrix (Depleted Dark S Redox Depress				dplain Soils (F19) (TA6) (MLRA 144<i>A</i>	
	Sandy Redox (S5)	(34)	·	redux Depress	510113 (1 0)		Red Parent Ma		1, 143, 1430)
	Stripped Matrix (S6)							Park Surface (TF12	2)
	Dark Surface (S7) (LR	RR R, MLF	RA 149B)				☐ Other (Explain	in Remarks)	
21 11 1							11 8		
	of Hydrophytic vegeta e Layer (if observed)		vetland hydrology n	nust be present	t, unless disti	urbed or pro	oblematic.		
	e Layer (ii Observed) e:						Hydria Sail Bracant?	Vac ⊠ N	Io [
	:h (inches):						Hydric Soil Present?	Yes 🛛 N	lo 🗌
Remarks:	(1101100)								
tomanto.									

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: 5-14-2019 Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 58 Applicant/Owner: __ State: WI Investigator(s): Chris Jors, Shane Heyel, and Zofia Noe: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): slight berm Local relief (concave, convex, none): linear, convex Slope (%): 0-2% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Brookston silt loam (BsA) NWI classification: F0Kf Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No □ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area ⊠Yes Hydrophytic Vegetation Present? ПNо ☐ Yes within a Wetland? ⊠No ⊠No Hydric Soils Present? □Yes ⊠No Wetland Hydrology Present? □Yes If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. The sample site is situated on a berm of dredge spoils from the creek ditching/straightening. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) ☐ Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) ☐ Saturation (A3) ☐ Marl Deposits (B15) ☐ Dry-Season Water Table (C2) Water marks (B1) ☐ Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) П ☐ Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) \boxtimes Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) ☐ Presence of Reduced Iron (C4) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Algal Mat or Crust (B4) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) \Box Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) **Field Observations:** Surface Water Present? Yes No 🖂 Depth (inches): __ Water Table Present? Yes No 🛛 Depth (inches): Saturation Present? Yes 🛛 No 🗌 Depth (inches): 15 Wetland Hydrology Present? Yes No 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), Aerial Photos (Exhibit 4), and NAIP/FSA Images (Exhibit 12). Remarks: NAIP/FSA image review found the sample site area exhibited wetness signatures on 10 out of 10 (100%) images taken with normal antecedent precipitation. The sample site is in the FEMA-mapped floodway, but geomorphic position (D2) is not checked due to the convex position of the sample site and the presence of a recently upgraded drain tile system. Only one secondary wetland hydrology indicator observed.

Tree Stratum (Plot size: 30' radius)	Absolute <u>% Cover</u>	Dominant Species?	Indicator Status	Dominance Test worksheet:
1	70 COVEL		Status	Number of Dominant Species
2				That are OBL, FACW, or FAC: <u>3</u> (A)
3				Total Number of Dominant Species Across All Strata: <u>3</u> (B)
4				
5				Percent of Dominant Species That Are ORL FACIAL or FAC: 1009/ (A/R)
6				That Are OBL, FACW, or FAC: 100% (A/B)
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	r	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
				Hydrophytic Vegetation Indicators:
7	0			☐ Rapid Test for Hydrophytic Vegetation
Harle Christian (Diet sings 51 and sings)	<u>0</u>	= Total Cove	ſ	Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)	2	\square	EAC	☐ Prevalence Index is ≤3.0¹☐ Morphological Adaptations¹ (Provide supporting
1. Ambrosia trifida	<u>2</u>		FAC	data in Remarks or on a separate sheet)
2. <u>Urtica dioica</u>	1		FAC	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3. <u>Veronica peregrina</u>	<u>1</u>	\boxtimes	FAC	¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5				
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Continued have been been then 2 in DDII
10				Sapling/shrub – Woody plants less than 3in. DBH and greater than 3.28 ft (1 m) tall.
11				
				Herb – All herbaceous (non-woody) plants, regardless
12	<u>4</u>	_		of size, and woody plants less than 3.28 ft tall.
	=	= Total Cove	ſ	Woody vines – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30' radius)				height
1				
2		<u> </u>		
3		ш		Hydrophytic
4				Vegetation No. □
	<u>0</u>	= Total Cove	r	Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet.) Agricultura	al field.		

Profile Des	scription: (Describe t	o the dep	oth needed to docum	nent the ind	licator or con	firm the a	bsence of indicators.)	
Depth	Matrix			Redox Feat	tures		_	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-6	10YR 2/1	100	'				Silt loam	
6-25	2.5Y 2.5/1	100					Silt loam	
25-26	10YR 3/2	84	10YR 3/6	8	С	М	Clay loam	
		-	10YR 5/2	8	D	М	· <u>· · · · · · · · · · · · · · · · · · </u>	
		-						
		-						
		-						
		-						
		-						
		-						
	Concentration, D=Dep	letion, RN	/I=Reduced Matrix, M	S= Masked S	Sand Grains		² Location: PL=Pore L	
-	il Indicators:			danales Del	Curt /C	0) (1 BB 5	Indicators for Proble	-
	Histosol (A1) Histic Epipedon (A2)		□ ₽0	MLRA 149	w Surface (St	o) (LKK K,	,	10) (LRR K, L, MLRA 149B) Redox (A16) (LLR K, L, R)
	Black Histic (A3)		☐ Th		ace (S9) (LRF	R R, MLRA		eat or Peat (S3) (LLR K, L, R)
	Hydrogen Sulfide (A4)				Mineral (F1) (LRR K, L)		(S7) (LRR K, L)
	Stratified Layers (A5)	Cf (amy Gleyed				ow Surface (S8) (LRR K, L)
	Depleted Below Dark Thick Dark Surface (A			epleted Matri edox Dark Su				face (S9) (LRR K, L) se Masses (F12) (LRR K, L, R)
	Sandy Mucky Mineral				Surface (F7)			odplain Soils (F19) (MLRA 149B)
	Sandy Gleyed Matrix	(S4)	☐ Re	edox Depress	sions (F8)		☐ Mesic Spodic ((TA6) (MLRA 144A, 145, 149B)
	Sandy Redox (S5)						Red Parent Ma	
	Stripped Matrix (S6) Dark Surface (S7) (LR	RR MIR	RΔ 149R)				☐ Very Shallow D ☐ Other (Explain	Dark Surface (TF12)
	Dank Gundoe (G7) (E1)		(1400)				Other (Explain	iii Romanoj
	of Hydrophytic vegeta		vetland hydrology mu	st be presen	t, unless distu	irbed or pr	oblematic.	
	e Layer (if observed)	:						
	: h (inches):						Hydric Soil Present?	Yes ☐ No ☒
	h (inches): No hydric soil indica	tore obe	arved					
ixemarks. i	No riyane son malea	1013 0030	siveu.					
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WETLAND DETERMI	NATION DATA	FORM - Northc	entral and N	ortheast Re	gion
Project/Site: <u>Hickory Hill Farms, Inc.</u> Applicant/Owner:		age of Sussex/Wauke		Sa	ampling Date: <u>5-14-2019</u> ampling Point: <u>59</u>
Investigator(s): Chris Jors, Shane Heyel, and Zofia No	a: SEWPPC Sac	tion, Township, Range			
Landform (hillslope, terrace, etc.): broad swale		al relief (concave, con			Slope (%): <u>0-2%</u>
Subregion (LRR or MLRA): LRR K		Long: _	. , =	n:	οιόρο (70): <u>σ-270</u>
Soil Map Unit Name: Brookston silt loam (BsA)				NWI classific	cation: F0Kf
Are climatic/hydrologic conditions on the site typical for	this time of year?	Yes ⊠ No □	(If no, explain in		
Are Vegetation, Soil, or Hydrology sig		Are "Normal Circu			No 🗆
Are Vegetation, Soil, or Hydrology na		(If, needed, explain	n any answers in f	Remarks.)	
SUMMARY OF FINDINGS – Attach site ma	ap showing samp	ling point location	ons, transects	s, important f	features, etc.
			<u> </u>	•	,
Hydrophytic Vegetation Present? ☐ Yes	□No	Is the Sampled Are			
Hydric Soils Present? ☐ Yes	□No	within a Wetland?		⊠ Yes	□No
Wetland Hydrology Present? ☐ Yes	□No				
		If yes, optional Wetla			14 - 15144 15
Remarks: (Explain alternative procedures here or in a		-	•	nal. The sample	e site is situated in a
swale between higher lands to the north and a c	dredge spoil berm al	ong the waterway to	the south.		
HYDROLOGY Wetland Hydrology Indicators:			Sac	ondary Indicators	s (minimum of two required)
Primary Indicators (minimum of one is required; check	(all that apply)		<u>3ec</u>	•	
<u> </u>				Surface Soil Cra	, ,
Surface Water (A1)	Water-Stained	d Leaves (B9)		Drainage Patter	ns (B10)
High Water Table (A2)	Aquatic Fauna	a (B13)		Moss Trim Lines	s (B16)
Saturation (A3)	☐ Marl Deposits	(B15)		Dry-Season Wa	ater Table (C2)
Water marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)		fide Odor (C1)		Crayfish Burrow	/s (C8)
Sodiment Deposits (P2)					
Sediment Deposits (B2)		ospheres on Living Ro			ble on Aerial Imagery (C9)
Drift Deposits (B3)		Reduced Iron (C4)		Stunted or Stres	ssed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron R	eduction in Tilled Soils	s (C6)	Geomorphic Pos	sition (D2)
☐ Iron Deposits (B5)	☐ Thin Muck Su	rface (C7)		Shallow Aquitare	d (D3)
Inundation Visible on Aerial Imagery (B7)	Other (Explain	n in Remarks)		Microtopographi	ic Relief (D4)
Sparsely Vegetated Concave Surface (B8)		,	$\overline{\boxtimes}$	FAC-Neutral Te	net (D5)
Field Observations:				1 AO-Neutral Te	231 (23)
	epth (inches):				
	Pepth (inches): 25				
		-()			
Saturation Present? Yes ☑ No ☐ D (includes capillary fringe)	epth (inches): 0 (at su	<u>rrace)</u>	Wetland Hydrol	ogy Present?	Yes⊠ No □
Describe Recorded Data (stream gauge, monitoring w	vell aerial photos prev	ious inspections) if av	vailable: Topo Mai	o (Exhibit 1) WW	/I Man (Exhibit 2) Soils Man
(Exhibit 3), Aerial Photos (Exhibit 4), and NAIP/FSA Ir		iodo mopodionoj, ii dv	anabio. Topo ma) (EXIIIDIC 1), ****	Trivial (Extribit 2), Cone Map
(,				
Remarks: NAIP/FSA image review found the sar	mple site area exhibi	ted wetness signatu	ures on 10 out of	f 10 (100%) ima	ages taken with normal
antecedent precipitation. The sample site is in the	·	-			-
of a recently upgraded drain tile system (Exhibit	• • • • • • • • • • • • • • • • • • • •	, and gooding	.	_,	р
ci a recently appraised drain the eyetem (Extinete	/ .				

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1	76 COVEL		Status	Number of Dominant Species
				That are OBL, FACW, or FAC: $\underline{2}$ (A)
2				
3				Total Number of Dominant Species Across All Strata: 2 (B)
4				
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 100% (A/B)
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				·
				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A = Hydrophytic Vegetation Indicators:
7				Rapid Test for Hydrophytic Vegetation
	<u>0</u>	= Total Cove	er	☑ Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)				☐ Prevalence Index is ≤3.0¹
1. Ambrosia trifida	<u>2</u>	\boxtimes	FAC	☐ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
2. Ranunculus sceleratus	<u>2</u>	\boxtimes	<u>OBL</u>	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3				
				¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5				Definitions of Vegetation Strata:
6				- commone con regerance con acta
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12		П		of size, and woody plants less than 3.28 ft tall.
		= Total Cove	er	, , , , , , , , , , , , , , , , , , , ,
Woody Vine Stratum (Plot size: 30' radius)		. 010. 0010		Woody vines – All woody vines greater than 3.28 ft in
				height
1				
2		Ш		
3		Щ		Hydrophytic
4				Vegetation Present? Yes ⊠ No □
	<u>0</u>	= Total Cove		resent: res 🖂 No 🗀
Remarks: (include photo number here or on a separate sheet.	, rtypiodi (i	anned) wettan	id.	

	Remarks
(inches) Color (moist) % Type¹ Loc² Texture 0-16 N 2.5/ 100 Muck 16-20 10YR 2/1 93 10YR 5/2 7 D M Sitty clay loam 20-31 2.5Y 4/2 80 2.5Y 5/4 20 C M Clay loam Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains ²Location: PL=Pore L Hydric Soil Indicators: Indicators for Problem M Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Implementation of the problem of the proper L 1 coast Prairie R MLRA 149B) Coast Prairie R	Remarks
10YR 2/1	
O-31 2.5Y 4/2 80 2.5Y 5/4 20 C M Clay loam Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains Type: C=Concentration, D=De	
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains 2 Location: PL=Pore L lydric Soil Indicators: Histosol (A1)	
Hydric Soil Indicators: ☐ Histosol (A1) ☐ Polyvalue Below Surface (S8) (LRR R, ☐ 2 cm Muck (A1) ☐ Histic Epipedon (A2) ☐ MLRA 149B) ☐ Coast Prairie R	
Hydric Soil Indicators: ☐ Histosol (A1) ☐ Polyvalue Below Surface (S8) (LRR R, ☐ 2 cm Muck (A1) ☐ Histic Epipedon (A2) ☐ MLRA 149B) ☐ Coast Prairie R	
Hydric Soil Indicators: ☐ Histosol (A1) ☐ Polyvalue Below Surface (S8) (LRR R, ☐ 2 cm Muck (A1) ☐ Histic Epipedon (A2) ☐ MLRA 149B) ☐ Coast Prairie R	
Hydric Soil Indicators: ☐ Histosol (A1) ☐ Polyvalue Below Surface (S8) (LRR R, ☐ 2 cm Muck (A1) ☐ Histic Epipedon (A2) ☐ MLRA 149B) ☐ Coast Prairie R	
Ilydric Soil Indicators: Indicators for Problem ☑ Histosol (A1) ☐ Polyvalue Below Surface (S8) (LRR R, ☐ 2 cm Muck (A1 ☑ Histic Epipedon (A2) MLRA 149B) ☐ Coast Prairie R	
Indicators for Problet Indicators for Problet Indicators for Problet	
Ilydric Soil Indicators: Indicators for Problem ☑ Histosol (A1) ☐ Polyvalue Below Surface (S8) (LRR R, ☐ 2 cm Muck (A1 ☑ Histic Epipedon (A2) MLRA 149B) ☐ Coast Prairie R	
Ilydric Soil Indicators: Indicators for Problem ☑ Histosol (A1) ☐ Polyvalue Below Surface (S8) (LRR R, ☐ 2 cm Muck (A1 ☑ Histic Epipedon (A2) MLRA 149B) ☐ Coast Prairie R	_
Hydric Soil Indicators: ☐ Histosol (A1) ☐ Polyvalue Below Surface (S8) (LRR R, ☐ 2 cm Muck (A1) ☐ Histic Epipedon (A2) ☐ MLRA 149B) ☐ Coast Prairie R	
Hydric Soil Indicators: ☐ Histosol (A1) ☐ Polyvalue Below Surface (S8) (LRR R, ☐ 2 cm Muck (A1) ☐ Histic Epipedon (A2) ☐ MLRA 149B) ☐ Coast Prairie R	
Hydric Soil Indicators: ☐ Histosol (A1) ☐ Polyvalue Below Surface (S8) (LRR R, ☐ 2 cm Muck (A1) ☐ Histic Epipedon (A2) ☐ MLRA 149B) ☐ Coast Prairie R	
☑ Histosol (A1) ☐ Polyvalue Below Surface (S8) (LRR R, ☐ 2 cm Muck (A1 ☑ Histic Epipedon (A2) MLRA 149B) ☐ Coast Prairie R	
	ematic Hydric Solls": 10) (LRR K, L, MLRA 149B)
	Redox (A16) (LLR K, L, R)
	Peat or Peat (S3) (LLR K, L, R)
	(S7) (LRR K, L)
	ow Surface (S8) (LRR K, L) face (S9) (LRR K, L)
	ese Masses (F12) (LRR K, L, R)
	odplain Soils (F19) (MLRA 149B)
	(TA6) (MLRA 144A, 145, 149B)
	Dark Surface (TF12)
☐ Dark Surface (S7) (LRR R, MLRA 149B) ☐ Other (Explain	
Indicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed):	
Type: Hydric Soil Present?	? Yes⊠ No □
Depth (inches):	163 🖂 - 116 - 🖂
Remarks:	

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: <u>5-14-2019</u> Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 60 Applicant/Owner: __ State: WI Investigator(s): Chris Jors, Shane Heyel, and Zofia Noe: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): Tributary to Spring Creek Local relief (concave, convex, none): linear, concave Slope (%): 0-2% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Brookston silt loam (BsA) NWI classification: F0Kf Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No □ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation X, Soil, or Hydrology anaturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? □No ⊠Yes within a Wetland? ✓ Yes □No □No Hydric Soils Present? ⊠Yes □No Wetland Hydrology Present? ⊠Yes If yes, optional Wetland Site ID: PCA 2 Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. Sample site has naturally problematic vegetation due to being in an unvegetated section of an unnamed tributary waterway. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) ☐ Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Oxidized Rhizospheres on Living Roots (C3) Sediment Deposits (B2) Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) П Recent Iron Reduction in Tilled Soils (C6) Algal Mat or Crust (B4) \boxtimes Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) \Box Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: Depth (inches): 5 Surface Water Present? Yes 🛚 No \square Water Table Present? No 🗌 Yes Depth (inches): Saturation Present? Yes No \square Depth (inches): Wetland Hydrology Present? Yes 🖂 No \square (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4). Remarks: The sample site is in an unnamed tributary to Spring Creek (and in a FEMA-mapped floodway).

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	Absolute	Dominant	Indicator	Barrier Tark and Island
Tree Stratum (Plot size: 30' radius)	% Cover	Species?	<u>Status</u>	Dominance Test worksheet:
1				Number of Dominant Species
2				That are OBL, FACW, or FAC: 0 (A)
3				Total Number of Dominant
4				Species Across All Strata: 0 (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 0% (A/B)
			·	Prevalence Index worksheet:
··· <u></u>	<u>0</u>	= Total Cove	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2			·	·
		_		· —
3				FACU species x 4 =
4				UPL species x 5 =
5		\sqsubseteq		Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
	<u>0</u>	= Total Cove	er	☐ Rapid Test for Hydrophytic Vegetation ☐ Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)				☐ Prevalence Index is ≤3.0¹
1				☐ Morphological Adaptations¹ (Provide supporting
2				data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain)
3			·	Troblematic Hydrophytic vegetation (Explain)
				¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5				
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Continuate the Manager plants loss than 2 in DDI
10				Sapling/shrub – Woody plants less than 3in. DBH and greater than 3.28 ft (1 m) tall.
				, , , , , ,
11		-		Herb – All herbaceous (non-woody) plants, regardless
12		<u> </u>		of size, and woody plants less than 3.28 ft tall.
	<u>0</u>	= Total Cove	er	Woody vines - All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30' radius)				height
1				
2				
3				Hydrophytic
4.				Vegetation
	<u>0</u>	= Total Cove	er	Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet Creek. It exhibits indicators of wetland hydrology and had capensis (FACW, 80%), Angelica atropurpurea (OBL, 5 vulgaris (FAC, 5%). The site was determined to be wetland to be wetland.	as hydric so 50%), Ambro	oil due to inund Osia trifida (FA	lation. Vege C, 10%), Pl	etative cover on the banks included: Impatiens halaris arundinacea (FACW, 10%), and Barbarea

Profile Desci	ription: (Describe to	the depth n	eeded to doc	ument the indic	ator or confi	rm the absence	e of indicators.)		oint: <u>60</u>
Depth _	Matrix			Redox Featu	res				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Re	marks
									
	<u></u>			<u> </u>					
									
									
'vno: C-Cc	oncentration, D=Deplet	tion PM-Po	duced Matrix	MS- Maskad Sa	and Grains		² Location: PL=Pore L	ining M-Matrix	,
ydric Soil II	•	IIOII, KIVI=KE	duced Matrix,	IVIS= IVIASKEU Sa	iliu Giallis		ndicators for Proble		
•	stosol (A1)			Polyvalue Below	Surface (S8)		2 cm Muck (A1		
	stic Epipedon (A2)			MLRA 149B			☐ Coast Prairie R		
	ack Histic (A3)			Thin Dark Surfac					
	ydrogen Sulfide (A4)			_oamy Mucky M	, , ,	RR K, L)	Dark Surface (
	ratified Layers (A5) epleted Below Dark Su	urfaco (A11)		_oamy Gleyed № Depleted Matrix			☐ Polyvalue Belo☐ Thin Dark Surf		
	nick Dark Surface (A12			Redox Dark Surf					(LRR K, L, R)
	andy Mucky Mineral (S			Depleted Dark S					9) (MLRA 149B
	andy Gleyed Matrix (Se			Redox Depression					14A, 145, 149B)
	andy Redox (S5)						Red Parent Ma		
	ripped Matrix (S6)	D MIDA 4	40B)				☐ Very Shallow □		F12)
∐ Da	ark Surface (S7) (LRR	K, WILKA 12	+90)					i ili Reiliaiks)	
ndicators of	Hydrophytic vegetation	on and wetlar	nd hydrology n	nust be present,	unless disturb	ed or problema	tic.		
estrictive L	ayer (if observed):								
Type: _							Hydric Soil Present?	Yes 🛚	No 🗌
, Abe. —	(inches):								
Depth (· /			dric by definition	on - Criteria 3	3.			
Depth (oils are inundated wi	th 5 inches	or water, ny	•					
Depth (· /	ith 5 inches	or water, ny	·					
Depth (· /	ith 5 inches	or water, ny	•					
Depth (· /	ith 5 inches	or water, ny	·					
Depth (· /	ith 5 inches	or water, ny	·					
Depth (· /	ith 5 inches	or water, ny	·					
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Depth (· /	ith 5 inches	or water, ny						

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: 5-14-2019 Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Applicant/Owner: __ Sampling Point: 61 State: WI Investigator(s): Chris Jors, Shane Heyel, and Zofia Noe: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Local relief (concave, convex, none): linear, concave Landform (hillslope, terrace, etc.): tributary waterway Slope (%): 0-2% Subregion (LRR or MLRA): LRR K Long: _____ Datum: Soil Map Unit Name: Palms muck (Pa) NWI classification: F0Kf Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No \square Are Vegetation X, Soil, or Hydrology naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area ⊠Yes □No Hydrophytic Vegetation Present? within a Wetland? ⊠ Yes ПNо Hydric Soils Present? ⊠Yes □No Wetland Hydrology Present? ⊠Yes ∏No If yes, optional Wetland Site ID: PCA 2 Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. Sample site has naturally problematic vegetation due to being in an unvegetated section of an unnamed waterway. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) Water-Stained Leaves (B9) П Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) П Moss Trim Lines (B16) П Saturation (A3) П Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) П П Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) П Recent Iron Reduction in Tilled Soils (C6) \bowtie Algal Mat or Crust (B4) П Geomorphic Position (D2) П Iron Deposits (B5) Thin Muck Surface (C7) \Box Shallow Aquitard (D3) П П Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes 🖂 No \square Depth (inches): 6 Water Table Present? Yes No \square Depth (inches): Saturation Present? Yes No \square Depth (inches): Wetland Hydrology Present? No \square Yes 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4). Remarks: Sample site is in an unnamed tributary to Spring Creek, and in the FEMA-mapped floodway.

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Tree Charles (Diet sine, 20) redice)	Absolute	Dominant	Indicator	Dominance Test worksheet
<u>Tree Stratum</u> (Plot size: <u>30' radius</u>)	% Cover	Species?	<u>Status</u>	Dominance Test worksheet:
1				Number of Dominant Species That are OBL, FACW, or FAC: <u>0</u> (A)
2				
3				Total Number of Dominant Species Across All Strata: 0 (B)
4				Species Across All Strata: <u>0</u> (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 0% (A/B)
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
··· <u></u>	<u>0</u>	= Total Cove		Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5' radius)	_	- 10tai 00VC	7 1	☐ Dominance Test is >50% ☐ Prevalence Index is ≤3.0¹
1				☐ Morphological Adaptations¹ (Provide supporting
				data in Remarks or on a separate sheet)
2				☐ Problematic Hydrophytic Vegetation¹ (Explain)
3				¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5				
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				
12				Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
· · · · · · · · · · · · · · · · · · ·	<u>0</u>	= Total Cove	er	or orze, and wedgy plante loce than orze it tail.
Woody Vine Stratum (Plot size: 30' radius)	_	_ 10tal 0010	,	Woody vines – All woody vines greater than 3.28 ft in
				height
1		_		
2		Ш		
3		Ш		Hydrophytic
4		<u> </u>		Vegetation Present? Yes ⊠ No □
	0	= Total Cove		
Remarks: (include photo number here or on a separate sheet. Creek. It exhibits indicators of wetland hydrology and hapetiolata (FACU, 65%), Impatiens capensis (FACW, 35 arundinacea (FACW, 10%), and Barbarea vulgaris (FACW vegetation. Open water.	as hydric so %), Angelic	il due to inunc a atropurpure	dation. Vege a (OBL, 15%	etation cover on the bank included: Alliaria 6), Ambrosia trifida (FAC, 10%), Phalaris

Drefile De	carintian. (Decaribe to	460 dom46 m		mant tha ind		firm the el	haanaa	of indicators \	Sampling F)III. <u>01</u>	
Profile De	scription: (Describe to	tne deptn n	eeded to doc	ument the ind	licator or con	itirm the an	bsence	of indicators.)			
Depth	Matrix			Redox Fea	tures						
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		Texture	Re	emarks	
,	- <u> </u>							·			
	· 										
	<u> </u>										
					·						
	·						-				
											
							-	 -			
	-						-				
¹ Type: C=	Concentration, D=Deplet	tion, RM=Re	duced Matrix,	MS= Masked S	Sand Grains		1	Location: PL=Pore Li	ning, M=Matri	Κ	
Hydric So	il Indicators:						- II	ndicators for Probler	natic Hydric S	Soils³:	
	Histosol (A1)			Polyvalue Belo	w Surface (St	B) (LRR R,	,	2 cm Muck (A1			
	Histic Epipedon (A2)			MLRA 149	9B)			☐ Coast Prairie R	edox (A16) (L	LR K, L, R	1)
	Black Histic (A3)			Thin Dark Surf	ace (S9) (LRF	RR, MLRA	4 149B)	☐ 5 cm Mucky Per			L, R)
	Hydrogen Sulfide (A4)			Loamy Mucky		LRR K, L)		☐ Dark Surface (S			
	Stratified Layers (A5)			Loamy Gleyed				☐ Polyvalue Belo	, ,		L)
	Depleted Below Dark Su			Depleted Matri				☐ Thin Dark Surfa			
	Thick Dark Surface (A12			Redox Dark Su				☐ Iron-Manganes			
	Sandy Mucky Mineral (S			Depleted Dark				☐ Piedmont Floor			
	Sandy Gleyed Matrix (Se	4)		Redox Depres	sions (F8)			Mesic Spodic (44A, 145,	149B)
l ⊣	Sandy Redox (S5)							Red Parent Ma			
	Stripped Matrix (S6)	D MI DA 4	40D)					☐ Very Shallow D		F12)	
	Dark Surface (S7) (LRR	R, MLRA 1	49B)						in Remarks)		
3Indiantors	of Hydrophytic vegetatio	n and watla	ad bydralagy r	must be presen	t unlogo dist	irbad ar pra	oblomot	io			
	of Hydrophytic vegetation of Hydrophytic vegetation of Eayer (if observed):	ni and wella	na riyarology i	nust be presen	it, uriless dist	insed of pro	UDIEITIAL	ю.			
							١.	landala Oall Barranio	V \	N. 🗆	
	b (inches):						ľ	lydric Soil Present?	Yes ⊠	No 🗌	
	th (inches):	:		hdafinitian	Onitania 2						
Remarks:	Soils inundated with 6	inches of v	water, nyaric	by definition	- Criteria 3.						

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: 5-14-2019 Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 62 Applicant/Owner: __ State: WI Investigator(s): Chris Jors, Shane Heyel, and Zofia Noe: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): slight berm Local relief (concave, convex, none): linear, convex Slope (%): 0-2% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Palms muck (Pa) NWI classification: F0Kf Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No □ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area ⊠Yes Hydrophytic Vegetation Present? ПNо ☐ Yes ⊠No within a Wetland? ⊠No Hydric Soils Present? □Yes ⊠No Wetland Hydrology Present? □Yes If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. The sample site is situated on a berm of dredge spoils from the creek ditching/straightening. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) ☐ Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) ☐ Saturation (A3) ☐ Marl Deposits (B15) ☐ Dry-Season Water Table (C2) Water marks (B1) ☐ Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) П ☐ Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) \boxtimes Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) Drift Deposits (B3) ☐ Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Algal Mat or Crust (B4) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) \Box Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) **Field Observations:** Surface Water Present? Yes No 🖂 Depth (inches): __ Water Table Present? Depth (inches): __ Yes No 🛛 Saturation Present? Yes 🛛 No 🗌 Depth (inches): 0 (at surface) to 2 only Wetland Hydrology Present? Yes No 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), Aerial Photos (Exhibit 4), and NAIP/FSA Images (Exhibit 12). Remarks: NAIP/FSA image review found the sample site area exhibited wetness signatures on 10 out of 10 (100%) images taken with normal antecedent precipitation. The sample site is in the FEMA-mapped floodway, but geomorphic position (D2) is not checked due to the convex position of the sample site and the presence of a recently upgraded drain tile system. Recent drain tile improvement in the area appears to be effective. Only one secondary indicator of wetland hydrology observed.

Tree Stratum (Plot size: 30' radius)	Absolute		Indicator	Dominance Test worksheet:
1	% Cover	<u>Species?</u> □	<u>Status</u>	
				Number of Dominant Species That are OBL, FACW, or FAC: 2 (A)
2				
3				Total Number of Dominant Species Across All Strata: 2 (B)
4				
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)
6				
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	r	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
·· ·	<u>0</u>	= Total Cove		Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5' radius)	<u>-</u>	= Total Cove	•	Dominance Test is >50% Prevalence Index is ≤3.0¹
1. Ambrosia trifida	<u>4</u>	\boxtimes	FAC	☐ Morphological Adaptations¹ (Provide supporting
	<u> </u>	\boxtimes	FAC	data in Remarks or on a separate sheet)
2. <u>Veronica peregrina</u>	-		IAU	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3				¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5				Definition of Manualation Office
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Horte All borboscos (non used a) plante remailles
12				Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
	<u>5</u>	= Total Cove	r	
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in
		П		height
1				
2		_		
3				Hydrophytic
4		<u></u>		Vegetation Present? Yes ⊠ No □
Demontra, (include whote number have as an a conserts short	<u>0</u>	= Total Cove	r	
Remarks: (include photo number here or on a separate sheet.) Agricultura	ai ileid.		

tion: (Describe to	e uepti	ii iiseaea to t				uie di	3361166			
							_			
			oist)							emarks
		10YR 6/2		7	D	M	Silt loa	m	dredge spoils v	with shells
.5/	95						Muck			
YR 3/3	5						Peat		inclusions	
			·						_	
			-						-	
	ion, RM=	:Reduced Mat	trix, MS=	Masked Sa	and Grains					
ogen Sulfide (A4) fied Layers (A5) eted Below Dark Su Dark Surface (A12 y Mucky Mineral (S y Gleyed Matrix (S4 y Redox (S5) oed Matrix (S6)) 1) !)	11)	Loam Loam Deple Redo Deple	ny Mucky M ny Gleyed M eted Matrix ox Dark Suri eted Dark S	lineral (F1) (Matrix (F2) (F3) face (F6) Surface (F7)		149B)	□ Dark Surface □ Polyvalue Be □ Thin Dark Su □ Iron-Mangane □ Piedmont Flo □ Mesic Spodic □ Red Parent M □ Very Shallow	(S7) (LRR K, L) low Surface (S8) rface (S9) (LRR ese Masses (F12 odplain Soils (F1 c (TA6) (MLRA 1- Material (F21) Dark Surface (T	(LRR K, L) K, L) () (LRR K, L, I 9) (MLRA 149 44A, 145, 149
drophytic vegetatio	n and we	etland hydrolo	gy must	be present,	unless distu	irbed or pro	blemati	C.		
er (if observed):			<u> </u>			· ·				
_							Н	ydric Soil Present	? Yes □	No 🛛
hes):										
	entration, D=Depleticators: sol (A1) Epipedon (A2) Histic (A3) ogen Sulfide (A4) fied Layers (A5) eted Below Dark Su Dark Surface (A12 y Mucky Mineral (S y Gleyed Matrix (S4 y Redox (S5) oed Matrix (S6) Surface (S7) (LRR drophytic vegetation er (if observed):	Color (moist) % /R 2/1 93 .5/ 95 YR 3/3 5 Pentration, D=Depletion, RM= cators: sol (A1) Epipedon (A2) Histic (A3) ogen Sulfide (A4) fied Layers (A5) eted Below Dark Surface (A1 Dark Surface (A12) y Mucky Mineral (S1) y Gleyed Matrix (S4) y Redox (S5) oed Matrix (S6) Surface (S7) (LRR R, MLRA drophytic vegetation and we er (if observed):	Color (moist) % Color (moist) //R 2/1 93 10YR 6/2 S/R 3/3 5 PR 3/3 5 Pentration, D=Depletion, RM=Reduced Macators: sol (A1) [Pepipedon (A2) Histic (A3) Digen Sulfide (A4) fied Layers (A5) Peted Below Dark Surface (A11) Dark Surface (A12) Mucky Mineral (S1) My Gleyed Matrix (S4) My Redox (S5) My Redox (S5) My Redox (S7) (LRR R, MLRA 149B) Color (moist) Color (Color (moist) % Color (moist) 7R 2/1 93 10YR 6/2 .5/ 95 YR 3/3 5 Pentration, D=Depletion, RM=Reduced Matrix, MS= cators: sol (A1) Polyx Epipedon (A2) In Histic (A3) Thin Gied Layers (A5) Coan Gied Below Dark Surface (A11) Depleted Below Dark Surface (A11) Depleted Dark Surface (A12) Redo Dark Surface (A12) Redo Dy Mucky Mineral (S1) Depleted Matrix (S4) Y Redox (S5) Ded Matrix (S6) Surface (S7) (LRR R, MLRA 149B) drophytic vegetation and wetland hydrology must be refire for baserved):	Color (moist) % Color (moist) % (R 2/1 93 10YR 6/2 7 .5/ 95 YR 3/3 5 entration, D=Depletion, RM=Reduced Matrix, MS= Masked Sacators: sol (A1) Polyvalue Below	Color (moist) %	Color (moist) %	Color (moist) %	Color (moist) % Color (moist) % Type¹ Loc² Texture (R 2/1 93 10YR 6/2 7 D M Silt loam .5/ 95 YR 3/3 5 Peat	Color (moist) %

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: 5-14-2019 Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 63 Applicant/Owner: __ State: WI Investigator(s): Chris Jors, Shane Heyel, and Zofia Noe: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Slope (%): 0-2% Landform (hillslope, terrace, etc.): broad swale Local relief (concave, convex, none): linear concave Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Palms muck (Pa) NWI classification: F0Kf Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No □ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area ⊠Yes Hydrophytic Vegetation Present? □No □No within a Wetland? ✓ Yes □No Hydric Soils Present? ⊠Yes □No Wetland Hydrology Present? ⊠Yes If yes, optional Wetland Site ID: PCA 5 Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. The sample site is situated in a broad swale between higher lands to the north and a dredge spoil berm along the waterway to the south. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) ☐ Surface Water (A1) Drainage Patterns (B10) High Water Table (A2) ☐ Aquatic Fauna (B13) Moss Trim Lines (B16) \boxtimes Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) ☐ Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) ☐ Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) \boxtimes \boxtimes Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Recent Iron Reduction in Tilled Soils (C6) Algal Mat or Crust (B4) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Other (Explain in Remarks) Inundation Visible on Aerial Imagery (B7) Microtopographic Relief (D4) П Sparsely Vegetated Concave Surface (B8) **FAC-Neutral Test (D5) Field Observations:** Surface Water Present? Yes No 🛛 Depth (inches): Water Table Present? Yes 🛚 No 🗌 Depth (inches): 25 Saturation Present? Yes 🖂 No \square Depth (inches): 0 (surface) Wetland Hydrology Present? No \square Yes 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), Aerial Photos (Exhibit 4), and NAIP/FSA Images (Exhibit 12). Remarks: NAIP/FSA image review found the sample site area exhibited wetness signatures on 10 out of 10 (100%) images taken with normal antecedent precipitation. The sample site is in the FEMA-mapped floodway, but geomorphic position (D2) is not checked due to the presence of a recently upgraded drain tile system (Exhibit 14). Recent Iron Reduction in Tilled Soils (C6) indicator not checked since timing and depth of last tillage could not be determined.

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1	76 COVEL		Status	Number of Dominant Species
2				That are OBL, FACW, or FAC: 2 (A)
3				Total Number of Dominant Species Across All Strata: 2 (B)
4				
5				Percent of Dominant Species That Are ORL EACW or EAC: 100% (A/R)
6				That Are OBL, FACW, or FAC: 100% (A/B)
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	r	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				-
6				Prevalence Index = B/A = Hydrophytic Vegetation Indicators:
7				Rapid Test for Hydrophytic Vegetation
	<u>0</u>	= Total Cove	r	□ Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)		_		☐ Prevalence Index is ≤3.0¹☐ Morphological Adaptations¹ (Provide supporting
1. Ambrosia trifida	<u>2</u>	\boxtimes	FAC	data in Remarks or on a separate sheet)
2. Ranunculus sceleratus	<u>1</u>	\boxtimes	<u>OBL</u>	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3				1 to Proctors of booking on the standard books to second
4				Indicators of hydric soil and wetland hydrology must Be present, unless disturbed or problematic.
5				
6				Definitions of Vegetation Strata:
7				Tree Westerlands (i.e. (7.0 cm) as seen in discussion
8				Tree – Woody plants 3in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>3</u>	= Total Cove	r	Woody vines – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30' radius)				height
1				
2				
3				Hydrophytic
4.		П		Vegetation
	<u>0</u>	= Total Cove	r	Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet.				
	, , , ,	•		

Profile Des	scription: (Describe t	o the dep	oth needed to docu	ment the indi	icator or cor	nfirm the a	bsence of indicators.)	Sampling Point: 63
Depth	Matrix			Redox Feat	ures			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	 Texture	Remarks
0-7	2.5Y 2.5/1	100	· 				Silt loam	
7-24	N 2.5/	94	10YR 5/6	3	C	M	Muck	
	-		10YR 5/2	3		M	-	-
24-30	10YR 4/1	75	10YR 5/6	25	C	M	Silty clay loam	-
						-		
						-		
	· 							-
						-		
Type: C=0	Concentration, D=Dep	letion, RM	1=Reduced Matrix, N	/IS= Masked S	Sand Grains		² Location: PL=Pore I	Lining, M=Matrix
Hydric Soi	I Indicators:						Indicators for Proble	ematic Hydric Soils ³ :
	Histosol (A1)		☐ P	olyvalue Belov		8) (LRR R		10) (LRR K, L, MLRA 149B)
	Histic Epipedon (A2) Black Histic (A3)			MLRA 149	,			Redox (A16) (LLR K, L, R)
	Hydrogen Sulfide (A4)			hin Dark Surfa oamy Mucky N				eat or Peat (S3) (LLR K, L, F (S7) (LRR K, L)
	Stratified Layers (A5)			oamy Gleyed I				ow Surface (S8) (LRR K, L)
	Depleted Below Dark			epleted Matrix				face (S9) (LRR K, L)
	Thick Dark Surface (edox Dark Su				se Masses (F12) (LRR K, L,
	Sandy Mucky Mineral Sandy Gleyed Matrix (epleted Dark sedox Depress				odplain Soils (F19) (MLRA 14 (TA6) (MLRA 144A, 145, 14 9
	Sandy Gleyed Matrix ((04)		edox Depress	510113 (1 0)		Red Parent M	
	Stripped Matrix (S6)						□ Very Shallow	Dark Surface (TF12)
	Dark Surface (S7) (LR	R R, MLF	RA 149B)				Other (Explain	n in Remarks)
3Indicators	of Hydrophytic vegeta	tion and v	vetland hydrology m	ust he present	t unless dist	irhed or pr	ohlematic	
	Layer (if observed)		veliand hydrology m	ust be present	i, uriiess disti	inted of pr	oblematic.	
	:						Hydric Soil Present?	Yes⊠ No □
Depth	h (inches):						,	
Remarks:							•	

WETLAND DETERMINATIO	N DATA	FORM - Northc	entral ar	nd Northeast	Region
		/illage of Sussex/Wauke			Sampling Date: <u>5-14-2019</u>
Applicant/Owner:		-		e: <u>WI</u>	Sampling Point: 64
Investigator(s): Chris Jors, Shane Heyel, and Zofia Noe: SEWR	RPC Se	ection, Township, Range	e: <u>SW Quart</u>	ter, Section 21, T8N	N-R19E
Landform (hillslope, terrace, etc.): slight hillslope		ocal relief (concave, con		<u>linear</u>	Slope (%): <u>0-3%</u>
Subregion (LRR or MLRA): <u>LRR K</u>	La	at: Long: _		Datum:	
Soil Map Unit Name: <u>Lamartine silt loam (LmB)</u>	-4	V	(16		ssification: F0Kf
Are climatic/hydrologic conditions on the site typical for this time Are Vegetation_X_, Soil, or Hydrology significantly		Yes ⊠ No □		lain in Remarks)	No 🏻
Are vegetation, Soil, or Hydrology significantly pr		Are "Normal Circu (If, needed, explai			No ⊠
SUMMARY OF FINDINGS – Attach site map show	wing sam	npling point location	ons, trans	sects, importa	nt teatures, etc.
		In the Orange I Ame	_		
Hydrophytic Vegetation Present? Yes No		Is the Sampled Are within a Wetland?	a	⊠ Yes	□No
Hydric Soils Present?				₩ . • •	
wettand Trydrology Flesent:		If yes, optional Wetla	and Site ID:	PCA 5	
Remarks: (Explain alternative procedures here or in a separate	e report.) 9				e site has significantly
disturbed vegetation due to farming.		o day amoodadii pio	, o.p	oop.o	one mae eighmeann,
HYDROLOGY					
Wetland Hydrology Indicators:				Secondary Indica	ators (minimum of two required)
Primary Indicators (minimum of one is required; check all that a	apply)			☐ Surface Soil	Cracks (B6)
☐ Surface Water (A1)	Water-Stain	ned Leaves (B9)		☐ Drainage Pa	atterns (B10)
High Water Table (A2)	Aquatic Fau	ına (B13)		☐ Moss Trim L	ines (B16)
	Marl Deposi				Water Table (C2)
		Sulfide Odor (C1)	. (00)	Crayfish Bu	
Sediment Deposits (B2)		nizospheres on Living Ro	oots (C3)		Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of	f Reduced Iron (C4)			Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron	Reduction in Tilled Soils	s (C6)		Position (D2)
☐ Iron Deposits (B5)	Thin Muck S	Surface (C7)		Shallow Aqu	uitard (D3)
Inundation Visible on Aerial Imagery (B7)	Other (Expla	ain in Remarks)		☐ Microtopogr	aphic Relief (D4)
Sparsely Vegetated Concave Surface (B8)				FAC-Neutra	l Test (D5)
Field Observations:					
Surface Water Present? Yes ☐ No ☒ Depth (inc	:hes):				
Water Table Present? Yes ⊠ No ☐ Depth (inc	hes): 24				
	hes): <u>0 (at s</u>	surface)	Wetland U	vdrology Procent	2 Vac⊠ No □
(includes capillary fringe)		<u> </u>	wetiana n	ydrology Present	? Yes⊠ No □
Describe Recorded Data (stream gauge, monitoring well, aeria	al photos, pre	evious inspections), if av	vailable: Top	oo Map (Exhibit 1),	WWI Map (Exhibit 2), Soils Map
(Exhibit 3), Aerial Photos (Exhibit 4), and NAIP/FSA Images (E	xhibit 12).				
Remarks: NAIP/FSA image review found the sample site	e area exhi	ibited wetness signatu	ures on 10	out of 10 (100%)	images taken with normal
antecedent precipitation. Drain tile work completed in cle	ose proxim	nity to this sample site	e within the	last 5 years (see	Exhibit 14).

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator	Dominance Test worksheet:
1	76 COVEL		<u>Status</u>	Number of Dominant Species
				That are OBL, FACW, or FAC: <u>0</u> (A)
2				
3				Total Number of Dominant Species Across All Strata: 0 (B)
4				
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 0% (A/B)
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
				Hydrophytic Vegetation Indicators:
7	<u>0</u>			Rapid Test for Hydrophytic Vegetation
Llorb Ctratum (Plat aira, El radius)	<u> </u>	= Total Cove	;I	□ Dominance Test is >50% □ Prevalence Index is ≤3.0¹
Herb Stratum (Plot size: 5' radius)		П		☐ Morphological Adaptations¹ (Provide supporting
1				data in Remarks or on a separate sheet)
2				☑ Problematic Hydrophytic Vegetation¹ (Explain)
3				¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5				
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				
12				Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
12. <u> </u>	<u>0</u>	= Total Cove		of size, and woody plants less than 5.20 ft tall.
Mondy Vine Stratum (Plat airc. 201 radius)	<u> </u>	- Total Cove	ş1	Woody vines – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30' radius)		П		height
1				
2		Ш		
3		Щ		Hydrophytic
4				Vegetation Present? Yes ⊠ No □
	<u>0</u>	= Total Cove		
Remarks: (include photo number here or on a separate sheet, site exhibited wetland hydrology indicators and had a hydrophytic vegetation. Atypical (farmed) wetland.				

Profile De	scription: (Describe t	o the dep	oth needed to docu	ment the indi	cator or cor	nfirm the a	absence of indicators.)
Depth	Matrix			Redox Feat	ures		<u>_</u>
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture Remarks
-6	2.5Y 2.5/1	100	<u> </u>				Muck
5-13	2.5Y 2.5/1	100					Silt loam
3-25	5Y 5/2	87	10YR 5/6	8	C	M	Clay loam
			10Y 5/1	5	D	M	
	Concentration, D=Dep	letion, RM	M=Reduced Matrix,	MS= Masked S	and Grains		² Location: PL=Pore Lining, M=Matrix
-	il Indicators: Histosol (A1)			Oobarolus Dals	v Curtoss /C	0) / DD D	Indicators for Problematic Hydric Soils ³ : , 2 cm Muck (A10) (LRR K, L, MLRA 149B
_	Histic Epipedon (A2)		∐ F	Polyvalue Belov MLRA 149I		o) (LKK K,	Coast Prairie Redox (A16) (LLR K, L, MLRA 1495)
	Black Histic (A3)			hin Dark Surfa	,	R R, MLRA	
	Hydrogen Sulfide (A4)		□ L	oamy Mucky M	/lineral (F1) (Dark Surface (S7) (LRR K, L)
	Stratified Layers (A5)			oamy Gleyed I			Polyvalue Below Surface (S8) (LRR K, L)
	Depleted Below Dark			Depleted Matrix			Thin Dark Surface (S9) (LRR K, L)
	Thick Dark Surface (A Sandy Mucky Mineral			Redox Dark Sur Depleted Dark S			☐ Iron-Manganese Masses (F12) (LRR K, L, ☐ Piedmont Floodplain Soils (F19) (MLRA 14
	Sandy Gleyed Matrix (Redox Depressi			☐ Mesic Spodic (TA6) (MLRA 144A, 145, 14
	Sandy Redox (S5)	,		•	, ,		☐ Red Parent Material (F21)
	Stripped Matrix (S6)						☐ Very Shallow Dark Surface (TF12)
Ш	Dark Surface (S7) (LR	R R, ML	RA 149B)				Other (Explain in Remarks)
Indicators	of Hydrophytic vegeta	tion and v	vetland hvdrologv m	ust be present	. unless dist	urbed or pro	roblematic.
	e Layer (if observed)		, 0,	•	,		
, ,	:						Hydric Soil Present? Yes ⊠ No □
Dept	h (inches):						
Remarks:							

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: <u>5-14-2019</u> Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County State: WI Sampling Point: 65 Applicant/Owner: __ Investigator(s): Chris Jors, Shane Heyel, and Zofia Noe: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): slight hillslope Local relief (concave, convex, none): linear Slope (%): 0-3% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Lamartine silt loam (LmB) NWI classification: F0Kf Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? ⊠No □Yes ☐ Yes ⊠No within a Wetland? ⊠Yes □No Hydric Soils Present? ⊠No Wetland Hydrology Present? □Yes If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) ☐ Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) ☐ Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) ☐ Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) П ☐ Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) \boxtimes Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) ☐ Presence of Reduced Iron (C4) Drift Deposits (B3) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) \Box Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) **Field Observations:** Surface Water Present? Yes No 🖂 Depth (inches): __ Water Table Present? Depth (inches): __ Yes No 🛛 Saturation Present? Yes 🛛 No 🗌 Depth (inches): 0 (at surface) to 2 only Wetland Hydrology Present? Yes No 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), Aerial Photos (Exhibit 4), and NAIP/FSA Images (Exhibit 12). Remarks: NAIP/FSA image review found the sample site area exhibited wetness signatures on 10 out of 10 (100%) images taken with normal antecedent precipitation. However, drain tile improvements were completed in the vicinity of sample site within the last 5 years (Exhibit 14). Only one secondary indicator of wetland hydrology observed.

Sampling Point: 65

Tree Stratum (Plot size: 30' radius)	Absolute		Indicator	Dominance Test worksheet:
1	% Cover	Species?	<u>Status</u>	
				Number of Dominant Species That are OBL, FACW, or FAC: 0 (A)
2				
3				Total Number of Dominant Species Across All Strata: 0 (B)
4				
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 0% (A/B)
6		<u> </u>		
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	r	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				
6				Prevalence Index = B/A = Hydrophytic Vegetation Indicators:
7				Rapid Test for Hydrophytic Vegetation
	<u>0</u>	= Total Cove	er	Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)				☐ Prevalence Index is ≤3.0¹☐ Morphological Adaptations¹ (Provide supporting
1				data in Remarks or on a separate sheet)
2				☐ Problematic Hydrophytic Vegetation¹ (Explain)
3				¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5				
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				
				Sapling/shrub – Woody plants less than 3in. DBH and greater than 3.28 ft (1 m) tall.
10				and greater than 3.20 ft (1 fil) tall.
11		_		Herb - All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>0</u>	= Total Cove	r	Woody vines – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30' radius)				height
1				
2				
3				Hydrophytic
4				Vegetation
	<u>0</u>	= Total Cove	er	Present? Yes ☐ No ☒
Remarks: (include photo number here or on a separate sheet.) Agricultura			oble from previous crop.

Liotile De		o trie del	Jui needed to doct			iiirin the a	bsence of indicators.)	
Depth	Matrix			Redox Feat			_	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-12	10YR 2/1	100					Silt loam	
12-27	2.5Y 5/2	90	10YR 4/6	10	С	M	Clay loam	
		-						
		-	•					
			-	_				
		-			-			
	-							
				_		-		
	.		<u> </u>					
	<u> </u>							
¹Typo: C-	Concentration, D=Dep	otion PA	A-Poduced Matrix (MS- Mackad 9	Sand Grains		² Location: PL=Pore	Lining M-Matrix
	il Indicators:	elion, KI	n-inequiced Matrix, I	vio= iviaskeu s	Janu Glains		Indicators for Proble	
-	Histosol (A1)		☐ F	Polyvalue Belo	w Surface (S	8) (LRR R ,		10) (LRR K, L, MLRA 149B)
	Histic Epipedon (A2)			MLRA 149	,	, ,		Redox (A16) (LLR K, L, R)
	Black Histic (A3)			hin Dark Surfa				eat or Peat (S3) (LLR K, L, R)
	Hydrogen Sulfide (A4)			oamy Mucky I	, ,	LRR K, L)		(S7) (LRR K, L)
	Stratified Layers (A5) Depleted Below Dark	Surface		oamy Gleyed Depleted Matri				ow Surface (S8) (LRR K, L) face (S9) (LRR K, L)
	Thick Dark Surface (A			Redox Dark Su				se Masses (F12) (LRR K, L, R)
	Sandy Mucky Mineral			Depleted Dark				odplain Soils (F19) (MLRA 149B)
	Sandy Gleyed Matrix (Redox Depress				(TA6) (MLRA 144A, 145, 149B)
	Sandy Redox (S5)						Red Parent M	
	Stripped Matrix (S6)	D D 1411	D 4 440D)					Dark Surface (TF12)
	Dark Surface (S7) (LR	K K, WLI	KA 149B)				Other (Explain	in Remarks)
3Indicators	of Hydrophytic vegeta	ion and v	wetland hydrology m	just be presen	t. unless dist	irbed or pr	oblematic.	
	e Layer (if observed):				.,			
	e:						Hydric Soil Present?	Yes⊠ No □
Dept	th (inches):							
Remarks:								
i								
l								
i								
ı								

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: <u>5-15-2019</u> Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 66 Applicant/Owner: ___ State: WI Investigator(s): Chris Jors and Shane Heyel: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): slight hillslope Local relief (concave, convex, none): <u>linear convex</u> Slope (%): 0-3% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Lamartine silt loam (LmB) NWI classification: None Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No □ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area ⊠Yes Hydrophytic Vegetation Present? ПNо ☐ Yes ⊠No within a Wetland? □No Hydric Soils Present? ⊠Yes ⊠No Wetland Hydrology Present? □Yes If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) П П ☐ Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) ☐ Presence of Reduced Iron (C4) Drift Deposits (B3) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) \Box FAC-Neutral Test (D5) **Field Observations:** Surface Water Present? Yes No 🖂 Depth (inches): _ Water Table Present? Yes \boxtimes Depth (inches): _ No Saturation Present? Yes No 🖂 Depth (inches): Wetland Hydrology Present? Yes No 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4). Remarks: Recent Iron Reduction in Tilled Soils (C6) indicator not checked since timing and depth of last tillage could not be determined. No wetland hydrology indicators observed.

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1	76 COVEL		Status	Number of Dominant Species
2				That are OBL, FACW, or FAC: 1 (A)
3				Total Number of Dominant
				Species Across All Strata: <u>1</u> (B)
4				
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)
6				· · ·
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)		_		OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
	<u>0</u>	= Total Cove	er	Rapid Test for Hydrophytic Vegetation Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)				Prevalence Index is ≤3.0¹
1. <u>Veronica peregrina</u>	<u>15</u>	\boxtimes	FAC	☐ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
2. Poa annua	<u>5</u>	\boxtimes	<u>FACU</u>	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3. Acer negundo	<u>3</u>		FAC	
4. Alliaria petiolata	<u>2</u>		<u>FACU</u>	Indicators of hydric soil and wetland hydrology must Be present, unless disturbed or problematic.
5. Rhamnus cathartica	<u>2</u>	П	FAC	De present, unless distarbed of problematic.
6. Taraxacum officinale	<u>=</u> <u>2</u>		FACU	Definitions of Vegetation Strata:
	=		<u> </u>	Tree Meady plants Size (7.0 and a graph in diagrate
7 8				Tree – Woody plants 3in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH and greater than 3.28 ft (1 m) tall.
10				and greater than 3.20 ft (1 m) tail.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>29</u>	= Total Cove	er	Woody vines – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30' radius)				height
1				
2		Щ		
3		<u> </u>		Hydrophytic
4				Vegetation Present? Yes ⊠ No □
	0	= Total Cove	er	Tresent: Tes 🖂 Two 🖂
Remarks: (include photo number here or on a separate sheet	.) Agricultura	al field.		

Danth		o the de	oth needed to do			ntirm the a	psence	or indicators.)		
Depth	Matrix			Redox Feat	tures		_			
(inches)	Color (moist)	%	Color (moist	t) %	Type ¹	Loc ²		Texture	Re	emarks
-13	10YR 2/2	95	7.5YR 4/6	5	C	PL M	Silt lo	am		
3-15	10YR 2/2	60	7.5YR 4/6	40	C	PL M	Silt lo	am		
5-19	10YR 2/2	95	7.5YR 4/6	5	C	PL M	Silt lo	am		
9-25	10YR 3/1	80	10YR 4/6	20	C	PL M	Clay I	oam		
	Concentration, D=Depl	letion, RN	M=Reduced Matrix	k, MS= Masked S	Sand Grains			² Location: PL=Pore Lir		
-	I Indicators: Histosol (A1)		П	Polyvalue Belo	w Surface (S	8) (I RR R		ndicators for Problem 2 cm Muck (A10		
_	Histic Epipedon (A2)		Ь	MLRA 149		o) (L ittitit,	,	☐ Coast Prairie Re		
	Black Histic (A3)			Thin Dark Surfa	ace (S9) (LR	R R, MLRA	A 149B)	5 cm Mucky Pea	at or Peat (S3)	(LLR K, L, R)
	Hydrogen Sulfide (A4)			Loamy Mucky I		(LRR K, L)		Dark Surface (S		
	Stratified Layers (A5)	Curtoso (A11)	Loamy Gleyed				Polyvalue Below		
	Depleted Below Dark S Thick Dark Surface (A		A11) □	Depleted Matrix Redox Dark St				☐ Thin Dark Surfa☐ Iron-Manganese		
	Sandy Mucky Mineral			Depleted Dark						9) (MLRA 149B
	Sandy Gleyed Matrix (Redox Depress				☐ Mesic Spodic (T	A6) (MLRA 1	
	Sandy Redox (S5)							Red Parent Mat		T40)
	Stripped Matrix (S6) Dark Surface (S7) (LR	RR MII	RA 149R)					☐ Very Shallow Da		F12)
Ь,	Dark Garlace (G7) (ER	.iv iv, iviடi	(1430)					Other (Explain ii	i Remarks)	
	of Hydrophytic vegeta		wetland hydrology	must be present	t, unless dist	urbed or pr	oblemat	ic.		
Restrictive	Layer (if observed)	:								
Restrictive Type:	Layer (if observed)	:					1	Hydric Soil Present?	Yes 🛚	No 🗆
Restrictive Type: Depth	Layer (if observed)	:						Hydric Soil Present?	Yes ⊠	No 🗌
Restrictive Type: Depth	Layer (if observed)	:						Hydric Soil Present?	Yes ⊠	No 🗆
Restrictive Type: Depth	Layer (if observed)	:					1	Hydric Soil Present?	Yes ⊠	No 🗆
Restrictive Type: Depth	Layer (if observed)	•						Hydric Soil Present?	Yes ⊠	No 🗆
Restrictive Type: Depth	Layer (if observed)	:					<u> </u>	Hydric Soil Present?	Yes ⊠	No 🗆
Restrictive Type: Depth	Layer (if observed)	•					<u> </u>	Hydric Soil Present?	Yes ⊠	No 🗆
Restrictive Type: Depth	Layer (if observed)	:					<u> </u>	Hydric Soil Present?	Yes ⊠	No 🗆
Restrictive Type: Depth	Layer (if observed)	•						Hydric Soil Present?	Yes ⊠	No 🗆
Restrictive Type: Depth	Layer (if observed)	•						Hydric Soil Present?	Yes ⊠	No 🗆
Restrictive Type: Depth	Layer (if observed)	:					<u> </u>	Hydric Soil Present?	Yes ⊠	No 🗆
Restrictive Type: Depth	Layer (if observed)	•						Hydric Soil Present?	Yes ⊠	No 🗆
Restrictive Type: Depth	Layer (if observed)	•						Hydric Soil Present?	Yes ⊠	No 🗆
Restrictive Type: Depth	Layer (if observed)	•					<u> </u>	Hydric Soil Present?	Yes ⊠	No 🗆
Restrictive Type: Depth	Layer (if observed)	•					<u> </u>	Hydric Soil Present?	Yes ⊠	No 🗆
Restrictive Type: Depth	Layer (if observed)	:					<u> </u>	Hydric Soil Present?	Yes ⊠	No
Restrictive Type:	Layer (if observed)	•						Hydric Soil Present?	Yes ⊠	No
Restrictive Type: Depth	Layer (if observed)	•					<u> </u>	Hydric Soil Present?	Yes ⊠	No
Restrictive Type: Depth	Layer (if observed)	•					<u> </u>	Hydric Soil Present?	Yes ⊠	No
Restrictive Type: Depth	Layer (if observed)	:					<u> </u>	Hydric Soil Present?	Yes ⊠	No -
Restrictive Type: Depth	Layer (if observed)	:					<u> </u>	Hydric Soil Present?	Yes ⊠	No
Restrictive Type: Depth	Layer (if observed)	•					<u> </u>	Hydric Soil Present?	Yes ⊠	No

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: <u>5-15-2019</u> Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 67 Applicant/Owner: ___ State: WI Investigator(s): Chris Jors and Shane Heyel: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): Tributary to Spring Creek Local relief (concave, convex, none): linear, concave Slope (%): 0-3% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Lamartine silt loam (LmB) NWI classification: T3K Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No □ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation X, Soil, or Hydrology anaturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? □No ⊠Yes within a Wetland? ✓ Yes □No □No Hydric Soils Present? ⊠Yes □No Wetland Hydrology Present? ⊠Yes If yes, optional Wetland Site ID: PCA 2 Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. The sample site has naturally problematic vegetation due to an unvegetated section of a tributary waterway. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) ☐ Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Oxidized Rhizospheres on Living Roots (C3) Sediment Deposits (B2) Saturation Visible on Aerial Imagery (C9) \boxtimes **Drift Deposits (B3)** Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Recent Iron Reduction in Tilled Soils (C6) Algal Mat or Crust (B4) \boxtimes Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) \Box Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes 🛚 No \square Depth (inches): 6 Water Table Present? No 🗌 Yes Depth (inches): Saturation Present? Yes No \square Depth (inches): Wetland Hydrology Present? Yes 🖂 No \square (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4). Remarks: This sample site is in an unnamed tributary to Spring Creek and the associated FEMA-mapped floodway.

C	1:	D -:-4.	~7
Samp	IIna	Point:	6/

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1	76 COVEL		Status	Number of Dominant Species
2				That are OBL, FACW, or FAC: <u>0</u> (A)
3				Total Number of Dominant
4				Species Across All Strata: <u>0</u> (B)
5				Percent of Dominant Species
6	<u> </u>			That Are OBL, FACW, or FAC: 0% (A/B)
7	<u> </u>			Prevalence Index worksheet:
·· <u>—</u>	<u>0</u>	= Total Cove		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)	_	- Total Cove	,ı	OBL species x 1 =
1				FAC species x 2 =
2		_		FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A = Hydrophytic Vegetation Indicators:
7		<u></u>		Rapid Test for Hydrophytic Vegetation
Harb Charture (Blot sines El radius)	<u>0</u>	= Total Cove	er	☐ Dominance Test is >50% ☐ Prevalence Index is ≤3.0¹
Herb Stratum (Plot size: 5' radius)		П		 □ Prevalence Index is ≤3.0¹ □ Morphological Adaptations¹ (Provide supporting
1				data in Remarks or on a separate sheet)
2				☐ Problematic Hydrophytic Vegetation¹ (Explain)
3				¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5				Definitions of Vanatation Courts
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>0</u>	= Total Cove	er	Weedy vines All weedy vines greater than 2.29 ft in
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in height
1				
2				
3				Hydrophytic
4				Vegetation
	<u>0</u>	= Total Cove	er	Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet. Creek. It exhibits wetland hydrology indicators and has (FAC), Alliaria petiolata (FACU), Impatiens capensis (Facturally problematic hydrophytic vegetation. Open water	a hydric soi ACW), and	il due to inunda	ation. Vege	etation on the banks included: Acer negundo

	scription: (Describe to	uie deptii need	Jeu to aoc			inini ine abs	ence of mulcators.)		
Depth	Matrix			Redox Feat					
(inches)	Color (moist)	% Co	olor (moist)	%	Type ¹	Loc ²	Texture	Re	emarks
								-	
								-	
				<u> </u>					
	Concentration, D=Deplet	tion, RM=Redu	ced Matrix,	MS= Masked S	Sand Grains		² Location: PL=Pore		
-	I Indicators: Histosol (A1)			Polyvalue Belo	w Surface (St	2) /I DD D	Indicators for Proble 2 cm Muck (A	ematic Hydric \$ 10) (LRR K, L,	
	Histic Epipedon (A2)			MLRA 149		o) (LKK K,		Redox (A16) (L	
□ E	Black Histic (A3)			Thin Dark Surfa			49B)	eat or Peat (S3	3) (LLR K, L, R)
	Hydrogen Sulfide (A4)			Loamy Mucky I		LRR K, L)		(S7) (LRR K, L)	,
	Stratified Layers (A5) Depleted Below Dark Su	ırface (A11)		Loamy Gleyed Depleted Matrix				ow Surface (S8 face (S9) (LRR	
	Thick Dark Surface (A12	2)		Redox Dark Su	ırface (F6)		☐ Iron-Mangane	se Masses (F12	2) (LRR K, L, R)
	Sandy Mucky Mineral (S			Depleted Dark					19) (MLRA 149B)
	Sandy Gleyed Matrix (Sa Sandy Redox (S5)	4)		Redox Depress	sions (F8)				44A, 145, 149B)
	Stripped Matrix (S6)							Dark Surface (T	ΓF12)
	Dark Surface (S7) (LRR	R, MLRA 1498	3)					in in Remarks)	
Indicators (of Hydrophytic vegetation	on and wetland	hydrologyu	muet ha nracan	t unlace dieti	irhed or prob	lematic		
	Layer (if observed):	il and welland	ilyulology i	nust be presen	t, unicss dist	indea or probl	lemanc.		
Type:							Hydric Soil Present	? Yes ⊠	No 🗌
	in (inches):								
Remarks: S	Soils are inundated wi	th 6 inches of	stream w	ater, hydric b	y definition -	Criteria 3.			

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: 5-15-2019 Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 68 Applicant/Owner: ___ State: WI Investigator(s): Chris Jors and Shane Heyel: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): broad swale Local relief (concave, convex, none): linear, concave Slope (%): 6-12% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Hochheim Ioam (HmC2) NWI classification: F0Kf Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No □ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area □Yes Hydrophytic Vegetation Present? ⊠No ☐ Yes ⊠No within a Wetland? ⊠Yes □No Hydric Soils Present? ⊠No Wetland Hydrology Present? □Yes If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) ☐ Surface Soil Cracks (B6) ☐ Surface Water (A1) ☐ Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) ☐ Saturation (A3) ☐ Marl Deposits (B15) ☐ Dry-Season Water Table (C2) Water marks (B1) ☐ Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) П ☐ Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) Drift Deposits (B3) ☐ Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Algal Mat or Crust (B4) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) \Box Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No 🖂 Depth (inches): _ Water Table Present? Yes No 🛛 Depth (inches): _ Saturation Present? Yes No 🖂 Depth (inches): Wetland Hydrology Present? Yes No 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), Aerial Photos (Exhibit 4), and NAIP/FSA Images (Exhibit 12). Remarks: NAIP/FSA image review found the sample site area exhibited wetness signatures on 10 out of 10 (100%) images taken with normal antecedent precipitation. Geomorphic position (D2) is not checked due to the presence of a drain tile system, which has been recently improved in this area (Exhibit 14). Recent Iron Reduction in Tilled Soils (C6) indicator not checked since timing and depth of last tillage could not be determined. Only one secondary wetland hydrology indicator observed.

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1	76 COVEL		Status	Number of Dominant Species
2				That are OBL, FACW, or FAC: 1 (A)
3				Total Number of Dominant Species Across All Strata: 2 (B)
4				
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 50% (A/B)
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	r	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
				Hydrophytic Vegetation Indicators:
7				☐ Rapid Test for Hydrophytic Vegetation
Llowb Ctratum (Plat size, El radius)	<u>0</u>	= Total Cove	;I	☐ Dominance Test is >50% ☐ Prevalence Index is ≤3.0¹
Herb Stratum (Plot size: 5' radius)	<u>2</u>		FACU	☐ Morphological Adaptations¹ (Provide supporting
1. Medicago lupulina				data in Remarks or on a separate sheet)
2. <u>Veronica peregrina</u>	<u>2</u>		FAC	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3. Acer negundo	<u>1</u>		<u>FAC</u>	¹ Indicators of hydric soil and wetland hydrology must
4. Poa annua	<u>1</u>		<u>FACU</u>	Be present, unless disturbed or problematic.
5				
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				
12				Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
12. <u> </u>	<u>6</u>	= Total Cove		of size, and woody plants less than 5.20 it tall.
Mondy Vine Stratum (Plot size, 20' radius)	⊻	- Total Cove	;I	Woody vines – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30' radius)		П		height
1				
2		Ш		
3		Щ		Hydrophytic
4				Vegetation Present? Yes □ No □
	<u>0</u>	= Total Cove	r	Tresent: 165 He Z
Remarks: (include photo number here or on a separate sheet	.) Agricultura	al field.		

Soll Sampling Point: 68

Profile De	scription: (Describe to	o the dep	oth needed to docu	ment the indi	icator or cor	nfirm the a	bsence of indicators.)	
Depth	Matrix		-	Redox Feat	ures		_	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
-7	10YR 3/1	100	· -				Silt loam	
-17	10YR 3/1	97	10YR 4/4	3	C	PL M	Silt loam	
7-26	5Y 5/2	85	10YR 5/6	15	C	PL M	Clay loam	
							·	
			-					
	·		· -					
	<u> </u>							
	-		-					
Type: C=	Concentration, D=Depl	etion, RN	M=Reduced Matrix, N	//S= Masked S	Sand Grains		² Location: PL=Pore L	 _ining, M=Matrix
	il Indicators:	,	,				Indicators for Proble	
_	Histosol (A1)		□ P	olyvalue Belov		8) (LRR R ,		10) (LRR K, L, MLRA 149B)
	Histic Epipedon (A2) Black Histic (A3)		Пт	MLRA 149 hin Dark Surfa	,	DD MIDA		Redox (A16) (LLR K, L, R) eat or Peat (S3) (LLR K, L, R)
	Hydrogen Sulfide (A4)			oamy Mucky N				(S7) (LRR K, L)
	Stratified Layers (A5)			oamy Gleyed		, ,		ow Surface (S8) (LRR K, L)
	Depleted Below Dark S			epleted Matrix				face (S9) (LRR K, L)
	Thick Dark Surface (A Sandy Mucky Mineral			edox Dark Su epleted Dark				se Masses (F12) (LRR K, L, R) odplain Soils (F19) (MLRA 149 I
	Sandy Mucky Mineral Sandy Gleyed Matrix (ledox Depress				(TA6) (MLRA 144A, 145, 149B
	Sandy Redox (S5)	O .,		.ouo/. 2 op. ooo	(. 0)		☐ Red Parent Ma	
	Stripped Matrix (S6)							Dark Surface (TF12)
Ш	Dark Surface (S7) (LR	R R, ML	RA 149B)				☐ Other (Explain	in Remarks)
Indicators	of Hydrophytic vegetat	tion and v	wetland hydrology m	ust be present	t, unless dist	urbed or pr	oblematic.	
	e Layer (if observed):		, 0,		<u> </u>	·		
, ,	e:						Hydric Soil Present?	Yes⊠ No □
	h (inches):							
Remarks:								

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: 5-15-2019 Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 69 Applicant/Owner: ___ State: WI Investigator(s): Chris Jors and Shane Heyel: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): broad swale Local relief (concave, convex, none): linear, concave Slope (%): 6-12% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Hochheim Ioam (HmC2) NWI classification: F0Kf Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No □ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area □Yes Hydrophytic Vegetation Present? ⊠No ☐ Yes ⊠No within a Wetland? ⊠Yes □No Hydric Soils Present? ⊠No Wetland Hydrology Present? □Yes If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) ☐ Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) ☐ Saturation (A3) ☐ Marl Deposits (B15) ☐ Dry-Season Water Table (C2) Water marks (B1) ☐ Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) П ☐ Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) Drift Deposits (B3) ☐ Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Algal Mat or Crust (B4) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) \Box Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) **Field Observations:** Surface Water Present? Yes No 🖂 Depth (inches): _ Water Table Present? Yes No \boxtimes Depth (inches): _ Saturation Present? Yes No 🖂 Depth (inches): Wetland Hydrology Present? Yes No 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), Aerial Photos (Exhibit 4), and NAIP/FSA Images (Exhibit 12). Remarks: NAIP/FSA image review found the sample site area exhibited wetness signatures on 10 out of 10 (100%) images taken with normal antecedent precipitation. While the site is in the FEMA-mapped one-percent-annual-probability floodplain, geomorphic position (D2) is not checked due to the presence of a drain tile system. Drain tiles were recently improved in this area (Exhibit 14). Recent Iron Reduction in Tilled Soils (C6) indicator not checked since timing and depth of last tillage could not be determined. Only one secondary wetland hydrology indicator observed.

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator	Dominance Test worksheet:
1	% Cover	Species?	<u>Status</u>	
				Number of Dominant Species That are OBL, FACW, or FAC: 0 (A)
2				
3				Total Number of Dominant Species Across All Strata: 1 (B)
4	-			
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 0% (A/B)
6				
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4	-			UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
· · · 	<u>0</u>	= Total Cove	or	Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5' radius)	_	_		☐ Dominance Test is >50% ☐ Prevalence Index is ≤3.0¹
1. Medicago lupulina	<u>15</u>	\boxtimes	<u>FACU</u>	☐ Morphological Adaptations¹ (Provide supporting
2. Acer negundo	<u>3</u>		FAC	data in Remarks or on a separate sheet)
	<u>2</u>		FAC	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3. <u>Ambrosia trifida</u>				¹ Indicators of hydric soil and wetland hydrology must
4. Poa annua	<u>2</u>		<u>FACU</u>	Be present, unless disturbed or problematic.
5. <u>Chenopodium album</u>	<u>1</u>		<u>FACU</u>	Definitions of Vanatation Strate.
6. <u>Veronica peregrina</u>	<u>1</u>		<u>FAC</u>	Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>24</u>	= Total Cove	er	
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in height
1				neight
2				
3				
J				Hydrophytic Vegetation
4			_	Present? Yes □ No ☒
Remarks: (include photo number here or on a separate sheet) Agricultur	= Total Cove	er	
remarks. (include prioto number here of off a separate sheet	.) Agricultur	ai ileiu.		

OIL Profile Des	scription: (Describe	to the dep	oth needed to docu	ment the indi	cator or cor	firm the a	bsence of indicators.)	Sampling Point: <u>69</u>
Depth	Matrix			Redox Feat			·	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	- Texture	Remarks
-6	10YR 3/1	97	10YR 5/6	3	С	PL M	Silt loam	
-20	10YR 3/1	85	10YR 5/6	15	C	PL M	Silt loam	
0-30	2.5Y 4/2	85	10YR 5/8	15	C	M	Clay loam	
			-					
ype: C=	Concentration, D=Dep	letion, RN	1=Reduced Matrix, N	/IS= Masked S	and Grains		² Location: PL=Pore I	
	I Indicators:			-1	. 0 (0) (1.55.5	Indicators for Proble	
	Histosol (A1) Histic Epipedon (A2)		□ P	olyvalue Belov MLRA 149		8) (LRR R,		10) (LRR K, L, MLRA 149B) Redox (A16) (LLR K, L, R)
	Black Histic (A3)		Пт	hin Dark Surfa	,	R R. MLRA		eat or Peat (S3) (LLR K, L, R)
	Hydrogen Sulfide (A4))		oamy Mucky N				(S7) (LRR K, L)
	Stratified Layers (A5)			oamy Gleyed I				ow Surface (S8) (LRR K, L)
	Depleted Below Dark			epleted Matrix				face (S9) (LRR K, L)
	Thick Dark Surface (A Sandy Mucky Mineral			edox Dark Su epleted Dark S				se Masses (F12) (LRR K, L, F odplain Soils (F19) (MLRA 14 9
	Sandy Gleyed Matrix			edox Depress				(TA6) (MLRA 144A, 145, 149
	Sandy Redox (S5)						☐ Red Parent M	
	Stripped Matrix (S6) Dark Surface (S7) (LF	D D MI I	0 A 140P\				☐ Very Shallow☐ Other (Explair	Dark Surface (TF12)
Ш	Dark Surface (S7) (LF	KK K, WILI	(A 149D)				☐ Other (Explain	i iii Remarks)
ndicators	of Hydrophytic vegeta	ition and v	vetland hydrology m	ust be present	, unless distu	urbed or pro	oblematic.	
	Layer (if observed)):						
	:						Hydric Soil Present?	Yes⊠ No □
	h (inches):							
emarks:								

WETLAND DETERMINATION	DATA FORM – Northc	entral and Northeast	Region
Project/Site: Hickory Hill Farms, Inc. City/C	ounty: Village of Sussex/Wauke	sha County	Sampling Date: 5-15-2019
Applicant/Owner:		State: WI	Sampling Point: 70
Investigator(s): Chris Jors and Shane Heyel: SEWRPC	Section, Township, Range	e: SW Quarter, Section 21, T8	<u>8N-R19E</u>
Landform (hillslope, terrace, etc.): <u>depression</u>	Local relief (concave, con	vex, none): concave	Slope (%): 6-12%
Subregion (LRR or MLRA): LRR K	Lat: Long: _	Datum:	
Soil Map Unit Name: Hochheim Ioam (HmC2)		NWI cla	assification: F0Kf
Are climatic/hydrologic conditions on the site typical for this time of	year? Yes⊠ No □	(If no, explain in Remarks)	
Are Vegetation, Soil, or Hydrology significantly dis	sturbed? Are "Normal Circu	mstances" present? Yes 🗵	No □
Are Vegetation, Soil, or Hydrology naturally probl-	ematic? (If, needed, explai	n any answers in Remarks.)	
SUMMARY OF FINDINGS – Attach site map showing	ng sampling point location	ons transects importa	ant features, etc
Comment of Findings Action site map shown	ig sampling point locati		ant routures, etc.
	la tha Camania d Ana	_	
Hydrophytic Vegetation Present?	Is the Sampled Are within a Wetland?	a ⊠ Yes	□No
Hydric Soils Present? ☐ Yes ☐ No	within a wetland:	△ 163	
Wetland Hydrology Present? ☐ Yes ☐ No		10" 15 504.0	
	If yes, optional Wetla		
Remarks: (Explain alternative procedures here or in a separate re	eport.) 90-day antecedent pre	cipitation is normal.	
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary Indic	ators (minimum of two required)
Primary Indicators (minimum of one is required; check all that app	ly)	☐ Surface So	oil Cracks (B6)
			, ,
Surface Water (A1)	ter-Stained Leaves (B9)	Drainage F	Patterns (B10)
☐ High Water Table (A2) ☐ Aqu	ıatic Fauna (B13)	Moss Trim	Lines (B16)
Saturation (A3)	rl Deposits (B15)	☐ Dry-Seaso	n Water Table (C2)
	drogen Sulfide Odor (C1)		urrows (C8)
Water marks (DT)	-		
Sediment Deposits (B2)	dized Rhizospheres on Living Ro		Visible on Aerial Imagery (C9)
□ Drift Deposits (B3) □ Pre	sence of Reduced Iron (C4)	☐ Stunted or	Stressed Plants (D1)
Algal Mat or Crust (B4)	cent Iron Reduction in Tilled Soils	Geomorphi	ic Position (D2)
	n Muck Surface (C7)		juitard (D3)
		· · · · · · · · · · · · · · · · · · ·	· · · · ·
Inundation Visible on Aerial Imagery (B7) Oth	er (Explain in Remarks)	Microtopog	raphic Relief (D4)
☐ Sparsely Vegetated Concave Surface (B8)			ral Test (D5)
Field Observations:			
Surface Water Present? Yes 🗌 No 🗵 Depth (inches	s):		
Water Table Present? Yes ⊠ No ☐ Depth (inches	3): 23		
Saturation Present? Yes No Depth (inches			
(includes capillary fringe))). <u>a</u>	Wetland Hydrology Presen	t? Yes⊠ No □
Describe Recorded Data (stream gauge, monitoring well, aerial ph	notes provious inspections) if a	(ailable: Tone Man (Eybibit 1)	WWW Man (Exhibit 2) Soils Man
(Exhibit 3), Aerial Photos (Exhibit 4), and NAIP/FSA Images (Exhi		raliable. Topo Map (Extlibit I)	, WWW Map (Exhibit 2), Solis Map
(Exhibit 6), Notice 1 Hotos (Exhibit 4), and Will /1 6/1 Hidges (Exhibit	51(12).		
Remarks: NAIP/FSA image review found the sample site at	roa avhibitad watness signati	ros on 10 out of 10 (100%) images taken with normal
· · · · · · · · · · · · · · · · · · ·	_		
antecedent precipitation. While the site is in the FEMA-ma			
checked due to the presence of a recently improved drain	- · · · · · · · · · · · · · · · · · · ·	ent Iron Reduction in Tilled	Soils (C6) indicator not
checked since timing and depth of last tillage could not be	determined.		

Tree Stratum (Plot size: 30' radius)	Absolute <u>% Cover</u>		ndicator <u>Status</u>	Dominance Test worksheet:
1				Number of Dominant Species
2				That are OBL, FACW, or FAC: 2 (A)
3				Total Number of Dominant
4				Species Across All Strata: <u>2</u> (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 100% (A/B)
7				Prevalence Index worksheet:
·	<u>0</u>			
	<u> </u>	= Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation
Hade Chatter (Plat size, Flanding)	<u>0</u>	= Total Cover		□ Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)	2		FAC	☐ Prevalence Index is ≤3.0¹☐ Morphological Adaptations¹ (Provide supporting
1. Acer negundo	<u>3</u>			data in Remarks or on a separate sheet)
2. Ranunculus sceleratus	1		<u>OBL</u>	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3				¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5				
6				Definitions of Vegetation Strata:
7		П		Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11.				
12				Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
	<u>4</u>	= Total Cover		of size, and woody plants loss than 5.20 it tall.
Woody Vine Stratum (Plot size: 30' radius)	_	- 10tai 00voi		Woody vines – All woody vines greater than 3.28 ft in
				height
1		_		
2				
3				Hydrophytic
4		<u> </u>		Vegetation Present? Yes ⊠ No □
Demonstrate (include abote more beauty as a consequent about	<u>0</u>	= Total Cover		
Remarks: (include photo number here or on a separate sheet.	.) Atypicai (i	armed) welland		

Profile De	scription: (Describe t	o the dep	oth needed to docu	ment the indi	cator or co	nfirm the a	bsence of indicators.)		
Depth	Matrix			Redox Feat	ures		_		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Re	emarks
)-14	10YR 3/1	85	7.5YR 3/4	5	C	PL M	Silt loam		
			10YR 4/2	10	D	PL M			
14-22	10YR 2/1	90	7.5YR 3/4	10	С	PL M	Silty clay loam		
22-27	5Y 4/1	80	5YR 4/6	20	С	PL M	Clay loam		
			•						
			•						
	Concentration, D=Dep	etion, RM	1=Reduced Matrix, N	MS= Masked S	Sand Grains		² Location: PL=Pore L		
-	il Indicators: Histosol (A1)			olyvalue Belov	u Curtoso (C	0\ / DD P	Indicators for Proble 2 cm Muck (A1		
_	Histic Epipedon (A2)		∐ P	MLRA 149	•	o) (LKK K,		Redox (A16) (LL	
	Black Histic (A3)		□ т	hin Dark Surfa	,	R R, MLRA		eat or Peat (S3)	
	Hydrogen Sulfide (A4)			oamy Mucky N	/lineral (F1)		☐ Dark Surface (S7) (LRR K, L)	
	Stratified Layers (A5)			oamy Gleyed I				w Surface (S8)	
	Depleted Below Dark			Depleted Matrix				ace (S9) (LRR	
	Thick Dark Surface (A Sandy Mucky Mineral			Redox Dark Su Depleted Dark S					2) (LRR K, L, R) 9) (MLRA 149B
	Sandy Midcky Milleral Sandy Gleyed Matrix (Redox Depress					44A, 145, 149B)
	Sandy Redox (S5)	- ',			()		☐ Red Parent Ma		, , ,
	Stripped Matrix (S6)							Dark Surface (T	F12)
	Dark Surface (S7) (LR	R R, MLF	RA 149B)				☐ Other (Explain	in Remarks)	
Indicators	of Hydrophytic vegeta	tion and v	vetland hydrology m	ust he present	unless dist	urbed or pr	oblematic		
	e Layer (if observed):		. o.i.a.i.a i.yai ology iii		.,	а. Боа о. р.			
	e:						Hydric Soil Present?	Yes ⊠	No 🗌
Dept	h (inches):								
Remarks:									

WETLAND DETER	MINATION DATA	A FORM – Northo	entral and Northeas	st Region
Project/Site: Hickory Hill Farms, Inc.	City/County:	Village of Sussex/Wauke	esha County	Sampling Date: <u>5-15-2019</u>
Applicant/Owner:			State: WI	Sampling Point: 71
Investigator(s): Chris Jors and Shane Heyel: SEW	RPC :	Section, Township, Range	e: SE Quarter, Section 21, T	
Landform (hillslope, terrace, etc.): slight hillslope	I	Local relief (concave, con	ivex, none): <u>linear</u>	Slope (%): 0-2%
Subregion (LRR or MLRA): LRR K	1	Lat: Long: _	Datum:	
Soil Map Unit Name: Pella silt loam (Ph)			NWI	classification: None
Are climatic/hydrologic conditions on the site typica	I for this time of year?	Yes ⊠ No □	(If no, explain in Remarks)	
Are Vegetation, Soil, or Hydrology	_ significantly disturbed	l? Are "Normal Circu	ımstances" present? Yes	⊠ No □
Are Vegetation, Soil, or Hydrology	_ naturally problematic	? (If, needed, explain	in any answers in Remarks.)	
SUMMARY OF FINDINGS - Attach site	man showing sa	mnling point locati	one transacte impor	tant features etc
- Attach site	map snowing sa	Inpining point locati	ons, transcets, impor	tant reatures, etc.
_				
Hydrophytic Vegetation Present?	□No	Is the Sampled Are		□No
Hydric Soils Present?	□No	within a Wetland?	⊠ Yes	□No
Wetland Hydrology Present?	□No			
		If yes, optional Wetla		
Remarks: (Explain alternative procedures here o	r in a separate report.)	90-day antecedent pre	ecipitation is normal.	
HYDROLOGY				
Wetland Hydrology Indicators:			Secondary Inc	licators (minimum of two required)
			<u>Secondary mo</u>	ilicators (minimum or two required)
Primary Indicators (minimum of one is required; c	heck all that apply)		☐ Surface S	Soil Cracks (B6)
☐ Surface Water (A1)		ined Leaves (B9)	☐ Drainage	Patterns (B10)
☐ High Water Table (A2)		auna (B13)		m Lines (B16)
Saturation (A3)	Marl Depo			on Water Table (C2)
Water marks (B1)	Hydrogen	Sulfide Odor (C1)	Crayfish	Burrows (C8)
☐ Sediment Deposits (B2)	Oxidized F	Rhizospheres on Living R	oots (C3) Saturatio	n Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence	of Reduced Iron (C4)		or Stressed Plants (D1)
Algal Mat or Crust (R4)		n Reduction in Tilled Soil		hic Position (D2)
□ Water marks (B1) □ Sediment Deposits (B2) □ Drift Deposits (B3) □ Algal Mat or Crust (B4) □ Iron Deposits (B5)				
		Surface (C7)		Aquitard (D3)
Inundation Visible on Aerial Imagery (E	37)	olain in Remarks)	Microtopo	ographic Relief (D4)
☐ Sparsely Vegetated Concave Surface	(B8)		☐ FAC-Neu	tral Test (D5)
Field Observations:	,			, ,
Surface Water Present? Yes ☐ No ☒	Depth (inches):			
		_		
Water Table Present? Yes ⊠ No □	Depth (inches): 22			
Saturation Present? Yes ⊠ No □	Depth (inches): 0 (a	t surface)	Wetland Hydrology Prese	ent? Yes⊠ No 🏻
(includes capillary fringe)				
Describe Recorded Data (stream gauge, monitori	ng well, aerial photos, p	previous inspections), if a	vailable: Topo Map (Exhibit	1), WWI Map (Exhibit 2), Soils Map
(Exhibit 3), and Aerial Photos (Exhibit 4).				
Remarks: The sample site is just inside the F	EMA-mapped one-p	ercent-annual-probabi	lity floodplain, but geomo	phic position (D2) is not
checked due to the presence of a recently ir	nproved drain tile sys	stem (Exhibit 14). Rece	ent Iron Reduction in Tille	d Soils (C6) indicator not
checked since timing and depth of last tillag	e could not be detern	nined.		

Tree Stratum (Plot size: 30' radius)	Absolute <u>% Cover</u>	Dominant Species?	Indicator Status	Dominance Test worksheet:
1	<u> 70 00ver</u>		<u>Otatus</u>	Number of Dominant Species
2			<u> </u>	That are OBL, FACW, or FAC: 1 (A)
3				Total Number of Dominant
4				Species Across All Strata: <u>1</u> (B)
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)
6				
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	r	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4		П		UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
··· ····	<u>0</u>	= Total Cove		Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5' radius)	_	= 10tal 0000		Dominance Test is >50% Prevalence Index is ≤3.0¹
1. <u>Veronica peregrina</u>	<u>35</u>	\boxtimes	FAC	☐ Morphological Adaptations¹ (Provide supporting
	<u>5</u>		<u>FACU</u>	data in Remarks or on a separate sheet)
2. <u>Poa annua</u>	<u> </u>		1700	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3				¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5				
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11.		\equiv		
12		П		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
<u> </u>	40	= Total Cove		or size, and woody plants loss than 5.20 it tall.
Woody Vine Stratum (Plot size: 30' radius)		= 10tal 0000		Woody vines - All woody vines greater than 3.28 ft in
				height
1		Ш		
2				
3		<u> </u>		Hydrophytic
4				Vegetation Present? Yes ⊠ No □
	0	= Total Cove		Tresent: Tes 🖂 Two 🖂
Remarks: (include photo number here or on a separate sheet.) Atypical (f	armed) wetlan	d.	

Danilli		the dep	oth needed to d			onfirm the a	bsence of indicators.)		
Depth	Matrix		·		ox Features		_		
(inches)	Color (moist)	%	Color (moi	st)	% Type ¹	Loc ²	Texture	Re	emarks
)-12	10YR 3/2	93	10YR 3/4		7 C	PL M	Silty clay loam		
2-14	10YR 3/1	97	10YR 4/4		3 C	PL M	Clay loam		
4-24	2.5Y 5/2	85	10YR 5/6		15 C	PL M	Clay loam		
								_	
							-		
							-		
			-						
			-						
Type: C=0	Concentration, D=Depl	etion, RM	1=Reduced Mat	rix, MS= Ma	asked Sand Grain	 S	² Location: PL=Pore	Lining, M=Matrix	(
	I Indicators:	,		, -		-	Indicators for Probl		
_	Histosol (A1)			-	ue Below Surface	(S8) (LRR R		A10) (LRR K, L, I	
	Histic Epipedon (A2) Black Histic (A3)		Г		RA 149B) rk Surface (S9) (L	RRR MIR		Redox (A16) (LL Peat or Peat (S3)	
	Hydrogen Sulfide (A4)				Mucky Mineral (F1			(S7) (LRR K, L)	
	Stratified Layers (A5)				Gleyed Matrix (F2)		☐ Polyvalue Be	low Surface (S8)	(LRR K, L)
	Depleted Below Dark S				d Matrix (F3)			rface (S9) (LRR	
	Thick Dark Surface (A´ Sandy Mucky Mineral (Dark Surface (F6) d Dark Surface (F			ese Masses (F12 oodplain Soils (F1	
	Sandy Gleyed Matrix (Depressions (F8)	')		c (TA6) (MLRA 1 4	
	Sandy Redox (S5)	,		_	, , ,		☐ Red Parent N	Naterial (F21)	
	Stripped Matrix (S6)	D D MILE	2 A 440B)					Dark Surface (T	F12)
[Dark Surface (S7) (LR	K K, WILI	KA 149D)				☐ Other (Expla	in in Remarks)	
·						sturbed or pr	oblematic.		
	of Hydrophytic vegetat	ion and v	vetland hydrolog	gy must be	present, unless di	otarbea or pr			
Indicators of	Layer (if observed):		vetland hydrolog	gy must be	present, unless di	otarbea or pr			
Indicators of Restrictive	Layer (if observed):		vetland hydrolog	gy must be	present, unless di	otarioca or pr	Hydric Soil Present	? Yes ⊠	No 🗆
Indicators of Restrictive Type: Depth	Layer (if observed):		vetland hydrolog	gy must be	present, unless di	standed of pr		? Yes ⊠	No 🗆
Indicators of Restrictive Type: Depth	Layer (if observed):		vetland hydrolog	gy must be	present, unless di	oranged of pr		? Yes ⊠	No 🗆
Indicators of Restrictive Type: Depth	Layer (if observed):		vetland hydrolog	gy must be	present, unless di	oranged of pr		? Yes ⊠	No 🗆
Indicators of Restrictive Type: Depth	Layer (if observed):		vetland hydrolog	gy must be	present, unless di	oranged of pr		? Yes⊠	No 🗆
Indicators of Restrictive Type: Depth	Layer (if observed):		vetland hydrolog	gy must be	present, unless di	standed of pr		? Yes ⊠	No 🗆
fIndicators of Restrictive Type: Depth	Layer (if observed):		vetland hydrolog	gy must be	present, unless di	sarbed of pr		? Yes ⊠	No 🗆
Indicators of Restrictive Type: Depth	Layer (if observed):		vetland hydrolog	gy must be	present, unless di	sarbed of pr		? Yes ⊠	No 🗆
Indicators of Restrictive Type: Depth	Layer (if observed):		vetland hydrolog	gy must be	present, unless di	sanbou or pr		? Yes ⊠	No 🗆
Indicators of Restrictive Type: Depth	Layer (if observed):		vetland hydrolog	gy must be	present, unless di	sarbed of pr		? Yes ⊠	No 🗆
Indicators of Restrictive Type: Depth	Layer (if observed):		vetland hydrolog	gy must be	present, unless di	sarbed of pr		? Yes ⊠	No 🗆
Indicators of Restrictive Type: Depth	Layer (if observed):		vetland hydrolog	gy must be	present, unless di	sanbou or pr		? Yes ⊠	No 🗆
Indicators of Restrictive Type: Depth	Layer (if observed):		vetland hydrolog	gy must be	present, unless di	sarbed of pr		? Yes ⊠	No 🗆
Indicators of Restrictive Type: Depth	Layer (if observed):		vetland hydrolog	gy must be	present, unless di	sarbed of pr		? Yes ⊠	No 🗆
fIndicators of Restrictive Type: Depth	Layer (if observed):		vetland hydrolog	gy must be	present, unless di	sanbou or pr		? Yes ⊠	No 🗆
Indicators of Restrictive Type:	Layer (if observed):		vetland hydrolog	gy must be	present, unless di	Salvou Oi pi		? Yes ⊠	No 🗆
³ Indicators of Restrictive Type: Depth	Layer (if observed):		vetland hydrolog	gy must be	present, unless di	Salbed of pr		? Yes ⊠	No 🗆
³ Indicators of Restrictive Type: Depth	Layer (if observed):		vetland hydrolog	gy must be	present, unless di			? Yes ⊠	No
Indicators of Restrictive Type: Depth	Layer (if observed):		vetland hydrolog	gy must be	present, unless di			? Yes ⊠	No 🗆
fIndicators of Restrictive Type: Depth	Layer (if observed):		vetland hydrolog	gy must be	present, unless di			? Yes ⊠	No 🗆
Indicators of Restrictive Type: Depth	Layer (if observed):		vetland hydrolog	gy must be	present, unless di			? Yes ⊠	No 🗆

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: <u>5-15-2019</u> Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 72 Applicant/Owner: ___ State: WI Investigator(s): Chris Jors and Shane Heyel: SEWRPC Section, Township, Range: <u>SE Quarter, Section 21, T8N-R19E</u> Landform (hillslope, terrace, etc.): slight hillslope Local relief (concave, convex, none): convex Slope (%): 0-2% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Pella silt loam (Ph) NWI classification: None Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? ⊠No ☐Yes within a Wetland? ☐ Yes ⊠No □Yes ⊠No Hydric Soils Present? ⊠No Wetland Hydrology Present? □Yes If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. The sample site is situated on a small rise at the edge of an agricultural field/woodland. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) П П ☐ Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) ☐ Presence of Reduced Iron (C4) Drift Deposits (B3) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) \Box FAC-Neutral Test (D5) **Field Observations:** Surface Water Present? Yes No 🖂 Depth (inches): __ Water Table Present? Yes \boxtimes Depth (inches): No Saturation Present? Yes 🛛 No 🗌 Depth (inches): 18 Wetland Hydrology Present? Yes No 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4). Remarks: No wetland hydrology indicators observed.

Tree Stratum (Plot size: 30' radius)	Absolute	Dominant	Indicator	Dominance Test worksheet:
1	% Cover	Species? ☐	<u>Status</u>	Number of Dominant Species
				That are OBL, FACW, or FAC: 1 (A)
2				_ , ,
3				Total Number of Dominant Species Across All Strata: 4 (B)
4	-			
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 25% (A/B)
6				
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cov	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1. Rubus occidentalis	<u>20</u>	\boxtimes	NI (UPL)	FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4	-			UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
··· <u></u>	20	= Total Cov	<u>——</u> ≏r	Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5' radius)		- 10tai 00V	5 1	□ Dominance Test is >50% □ Prevalence Index is ≤3.0¹
1. <u>Veronica peregrina</u>	<u>15</u>	\boxtimes	FAC	☐ Morphological Adaptations¹ (Provide supporting
	<u>10</u>	\boxtimes	FACU	data in Remarks or on a separate sheet)
2. Alliaria petiolata	<u>10</u>		FACU	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3. <u>Sonchus arvensis</u>				¹ Indicators of hydric soil and wetland hydrology must
4. Erigeron canadensis	<u>3</u>		<u>FACU</u>	Be present, unless disturbed or problematic.
5. Rubus occidentalis	<u>3</u>		NI (UPL)	Definitions of Vanatation Country
6. <u>Poa annua</u>	<u>2</u>		<u>FACU</u>	Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11		П		Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>43</u>	= Total Cov	er	
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in height
1		П		neignt
2				
2				
3				Hydrophytic Vegetation
4				Present? Yes □ No ☒
Remarks: (include photo number here or on a separate sheet	0 \ Edge of a	= Total Cov		et vear)
Tremains. (include proto number here of on a separate sheet.	.) Lage of a	gilouiturar ner	a (iii coiii ia	st year).

Profile Des	scription: (Describe to	the dep	th needed to doc			ntirm the a	bsence of indicators.)			
Depth	Matrix			Redox Feat	ures		_			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	R	emark	S
)-18	10YR 3/1	100					Silt loam			
18-24	10YR 4/1	98	10YR 5/6	2	С	PL M	Silty clay loam			
						'				
	_ :									
						-				
						-				
	·		-							
	· -									
	·									
						-				
						-				
	Concentration, D=Depl	etion, RM	=Reduced Matrix,	MS= Masked S	and Grains		² Location: PL=Pore L			
-	il Indicators:			Polynolus Polov	v Surfoce (S	0\ /I DD D	Indicators for Probler 2 cm Muck (A1	•		
	Histosol (A1) Histic Epipedon (A2)		Ц '	Polyvalue Belov MLRA 149		o) (LKK K,	☐ 2 cm Muck (A1☐ Coast Prairie R	, .		,
	Black Histic (A3)		П.	Thin Dark Surfa	,	R R. MLRA				
	Hydrogen Sulfide (A4)			oamy Mucky N			☐ Dark Surface (, _, ,
	Stratified Layers (A5)			oamy Gleyed I		,	☐ Polyvalue Belo			k K, L)
	Depleted Below Dark S			Depleted Matrix			☐ Thin Dark Surfa			
	Thick Dark Surface (A1			Redox Dark Sui			☐ Iron-Manganes			
	Sandy Mucky Mineral (Sandy Gleyed Matrix (Depleted Dark S Redox Depress			☐ Piedmont Floor ☐ Mesic Spodic (
	Sandy Redox (S5)	54)	U '	Redux Depress	10115 (F6)		Red Parent Ma		44A,	143, 1490)
	Stripped Matrix (S6)						☐ Very Shallow D		ΓF12)	
	Dark Surface (S7) (LR	R R, MLF	RA 149B)				Other (Explain		,	
	of Hydrophytic vegetat		etland hydrology n	nust be present	, unless dist	urbed or pro	oblematic.			
	e Layer (if observed):							_		_
	:						Hydric Soil Present?	Yes 🗌	No	\boxtimes
	h (inches):									
Remarks: ľ	No hydric soil indicat	ors obse	ervea.							

WETLAND DET	ERMINATION DATA	A FORM – Northc	entral and Northeas	st Region
Project/Site: Hickory Hill Farms, Inc.	City/County:	Village of Sussex/Wauke	sha County	Sampling Date: 5-15-2019
Applicant/Owner:			State: WI	Sampling Point: 73
Investigator(s): Chris Jors and Shane Heyel: S			e: NW Quarter, Section 28, 7	
Landform (hillslope, terrace, etc.): low/riparian	terrace L	Local relief (concave, con	vex, none): slightly concave	Slope (%): <u>0-2%</u>
Subregion (LRR or MLRA): <u>LRR K</u>	L	Lat: Long: _		
Soil Map Unit Name: Pella silt loam (Ph)			NWI o	classification: T3K
Are climatic/hydrologic conditions on the site type		Yes 🛛 No 🗌	(If no, explain in Remarks)	
Are Vegetation, Soil, or Hydrology _			mstances" present? Yes	⊠ No □
Are Vegetation, Soil, or Hydrology _	naturally problematic?	? (If, needed, explai	n any answers in Remarks.)	
SUMMARY OF FINDINGS - Attach s	site map showing sai	mpling point location	ons, transects, impor	tant features, etc.
		· • ·		
Hydrophytic Vegetation Present?	□No	Is the Sampled Are	a	
Hydrophytic Vegetation Present? Yes Hydric Soils Present? Yes	□No	within a Wetland?	⊠ Yes	□No
Wetland Hydrology Present?	□No		_	_
Wettand Trydrology Fresent:	Пио	If yes, optional Wetla	and Sita ID: DCA 15	
Remarks: (Explain alternative procedures her	o or in a congrate report			
Remarks. (Explain alternative procedures her	e or irra separate report.)	30-day antecedent pre	cipitation is normal.	
HYDROLOGY				
Wetland Hydrology Indicators:			Secondary Ind	icators (minimum of two required)
Primary Indicators (minimum of one is required	d: check all that apply)) = ' O = = = (PO)
<u> </u>			_	Soil Cracks (B6)
Surface Water (A1)	Water-Stai	ined Leaves (B9)	Drainage	Patterns (B10)
☐ High Water Table (A2)	Aquatic Fa	auna (B13)	☐ Moss Trir	n Lines (B16)
Saturation (A3)	☐ Marl Depo	sits (B15)	☐ Dry-Seas	on Water Table (C2)
				
Water marks (B1)		Sulfide Odor (C1)		Burrows (C8)
Sediment Deposits (B2)		Rhizospheres on Living Ro		n Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of	of Reduced Iron (C4)	☐ Stunted o	r Stressed Plants (D1)
☐ Algal Mat or Crust (B4)	☐ Recent Iro	n Reduction in Tilled Soils		ohic Position (D2)
□ Water marks (B1) □ Sediment Deposits (B2) □ Drift Deposits (B3) □ Algal Mat or Crust (B4) □ Iron Deposits (B5)	Thin Muck	Surface (C7)		Aquitard (D3)
Inundation Visible on Aerial Imager		plain in Remarks)		, , ,
		Dialit III Remarks)		ographic Relief (D4)
☐ Sparsely Vegetated Concave Surfa	ice (B8)		⊠ FAC-Neu	tral Test (D5)
Field Observations:				
Surface Water Present? Yes ☐ No	Depth (inches):	_		
Water Table Present? Yes ⊠ No	Depth (inches): 21			
Saturation Present? Yes No	Depth (inches): 0 (at	t surface)	Walland Hadrala Baran	
(includes capillary fringe)	Dopur (mories). o tal	<u>r dariadoj</u>	Wetland Hydrology Prese	nt? Yes⊠ No □
Describe Recorded Data (stream gauge, moni	itoring well perial photos p	vrevious inspections) if a	(ailable: Topo Man (Exhibit 1	1) WWI Man (Exhibit 2) Soils Man
(Exhibit 3), and Aerial Photos (Exhibit 4).	itoring well, aerial priotos, p	nevious inspections), if av	raliable. Topo Map (Exhibit	1), WWW Map (Exhibit 2), Solis Map
(Exhibit 6), and rendir Hotos (Exhibit 1).				
Remarks: A large drain tile outfall was ob:	carvad unstroom of the	cample cite		
Remarks. A large drain the outlan was ob-	served upstream or the s	sample site.		

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator	Dominance Test worksheet:
1. Acer negundo	<u>50</u>	<u>Species :</u>	Status FAC	Number of Dominant Species
			1710	That are OBL, FACW, or FAC: 3 (A)
2 3				
				Total Number of Dominant Species Across All Strata: <u>3</u> (B)
4				
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)
6				
7				Prevalence Index worksheet:
	<u>50</u>	= Total Cove	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
·· ·	<u>0</u>	= Total Cove		Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5' radius)	<u>-</u>	= 10tai 00vt	51	Dominance Test is >50% Prevalence Index is ≤3.0¹
1. Impatiens capensis	<u>65</u>	\boxtimes	FACW	☐ Morphological Adaptations¹ (Provide supporting
	<u>20</u>		FAC	data in Remarks or on a separate sheet)
2. <u>Sanicula odorata</u>	<u>20</u> <u>15</u>		FACU	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3. Alliaria petiolata				¹ Indicators of hydric soil and wetland hydrology must
4. Ranunculus hispidus	<u>15</u>		FAC	Be present, unless disturbed or problematic.
5. <u>Circaea canadensis</u>	<u>5</u>		<u>FACU</u>	Definition of Manualation Office
6. Fraxinus pennsylvanica	<u>2</u>		<u>FACW</u>	Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>122</u>	= Total Cove	er	
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in
1. Vitis riparia	<u>10</u>	\boxtimes	FAC	height
2				
3				Hydrophytic
4	40	<u></u>		Vegetation Present? Yes ⊠ No □
Demontra, (include whote number have as an a conserts short	10	= Total Cove	er	
Remarks: (include photo number here or on a separate sheet.	.) Hardwood	i Swamp.		

Depth (inches) Matrix Redox Features 0-5 10YR 2/1 100 Silt 5-14 10YR 2/1 60 10YR 4/6 20 C PL M Silty clay loam 10YR 4/2 20 Silty clay loam Clay loam Clay loam 24-30 5Y 4/2 80 7.5YR 4/6 20 C M Clay loam	Remarks fluvial deposition
-5 10YR 2/1 100 Silt -14 10YR 2/1 60 10YR 4/6 20 C PL M Silty clay loam -10YR 4/2 20 -14-24 2.5Y 3/1 80 10YR 3/6 20 C PL M Clay loam	•
14 10YR 2/1 60 10YR 4/6 20 C PL M Silty clay loam 10YR 4/2 20 4-24 2.5Y 3/1 80 10YR 3/6 20 C PL M Clay loam	fluvial deposition
10YR 4/2 20 4-24 2.5Y 3/1 80 10YR 3/6 20 C PL M Clay loam	
l-24 2.5Y 3/1 80 10YR 3/6 20 C PL M Clay loam	· -
F-30 5Y 4/2 80 7.5YR 4/6 20 C M Clay loam	
	
ype: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains 2Location: PL=Pore	-
	ematic Hydric Soils³: (10) (LRR K, L, MLRA 149B)
	Redox (A16) (LLR K, L, R)
	Peat or Peat (S3) (LLR K, L, R)
	(S7) (LRR K, L)
	low Surface (S8) (LRR K, L) rface (S9) (LRR K, L)
	ese Masses (F12) (LRR K, L, R)
☐ Sandy Mucky Mineral (S1) ☐ Depleted Dark Surface (F7) ☐ Piedmont Flo	odplain Soils (F19) (MLRA 149E
	(TA6) (MLRA 144A, 145, 149B)
☐ Sandy Redox (S5) ☐ Red Parent M ☐ Stripped Matrix (S6) ☐ Very Shallow	naterial (F21) Dark Surface (TF12)
	n in Remarks)
ndicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.	
estrictive Layer (if observed): Type: Hydric Soil Present	? Yes⊠ No □
Depth (inches):	f fes NO
emarks:	

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: <u>5-15-2019</u> Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 74 Applicant/Owner: ___ State: WI Investigator(s): Chris Jors and Shane Heyel: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): hillslope (dredge spoil pile) Local relief (concave, convex, none): convex Slope (%): 0-2% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Pella silt loam (Ph) NWI classification: T3K Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area ⊠Yes Hydrophytic Vegetation Present? ПNо ⊠No within a Wetland? ☐ Yes ⊠No Hydric Soils Present? □Yes ⊠No Wetland Hydrology Present? □Yes If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) П П ☐ Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) ☐ Presence of Reduced Iron (C4) Drift Deposits (B3) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) \Box FAC-Neutral Test (D5) **Field Observations:** Surface Water Present? Yes No 🖂 Depth (inches): _ Water Table Present? Yes \boxtimes Depth (inches): _ No Saturation Present? Yes No 🖂 Depth (inches): Wetland Hydrology Present? Yes No 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4). Remarks: The sample site is in the FEMA-mapped floodplain, and perhaps on the floodway boundary. However, it lies on a convex dredge spoil pile above the surrounding terrain. Therefore, no wetland hydrology indicators observed.

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator	Dominance Test worksheet:
1. Acer negundo	<u>% Cover</u>	Species?	Status FAC	Number of Dominant Species
			170	That are OBL, FACW, or FAC: 6 (A)
2				_ , ,
3				Total Number of Dominant Species Across All Strata: 7 (B)
4				
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 86% (A/B)
6				
7				Prevalence Index worksheet:
	<u>50</u>	= Total Cove	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1. Rhamnus cathartica	<u>40</u>	\boxtimes	FAC	FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				<u> </u>
5				<u> </u>
				Column Totals: (A) (B)
6				Prevalence Index = B/A = Hydrophytic Vegetation Indicators:
7				Rapid Test for Hydrophytic Vegetation
	<u>40</u>	= Total Cove	er	□ Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)				☐ Prevalence Index is ≤3.0¹
1. Alliaria petiolata	<u>15</u>	\boxtimes	<u>FACU</u>	☐ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
2. Hydrophyllum virginiana	<u>15</u>	\boxtimes	<u>FAC</u>	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3. Rhamnus cathartica	<u>15</u>	\boxtimes	FAC	
4. <u>Sanicula odorata</u>	<u>15</u>	\boxtimes	FAC	Indicators of hydric soil and wetland hydrology must Be present, unless disturbed or problematic.
	10		FACU	be present, unless disturbed of problematic.
5. <u>Circaea canadensis</u>				Definitions of Vegetation Strata:
6. <u>Impatiens capensis</u>	<u>10</u>		<u>FACW</u>	
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>80</u>	= Total Cove	er	
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in
	<u>10</u>	\boxtimes	FAC	height
1. <u>Vitis riparia</u>	<u></u>	_	1710	
2		Ц		
3				Hydrophytic
4				Vegetation Present? Yes ⊠ No □
	<u>10</u>	= Total Cove	er	resent: res 🖂 No 🗀
Remarks: (include photo number here or on a separate sheet.) Hardwood	ls.		

	acription: (Describe	to the dep				firm the a	bsence of indicators.)		
Depth	Matrix			Redox Feat	ures		_		
inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		emarks
10	2.5Y 3/2	85	. <u> </u>				Silt loam	dredge spoil	
	2.5Y 5/3	10	. <u> </u>						
	10YR 4/4	5	. <u> </u>						
-16	2.5Y 5/2	40	10YR 5/6	20	C	M	Silty clay loam	dredge spoil	
	2.5Y 3/1	40							
5-28	10YR 2/1	82	10YR 4/6	3	C	M	Silty clay loam	dredge spoil	
	2.5Y 5/2	15							
			· -						
	0	L.C. DI	4 D 184 (21 (1 D) D		
	Concentration, D=Dep il Indicators:	oletion, RIV	/I=Reduced Matrix, MS	s= Masked S	sand Grains		² Location: PL=Por Indicators for Prol		
	Histosol (A1)		☐ Pol	yvalue Belov	w Surface (S	8) (LRR R ,		(A10) (LRR K, L ,	
	Histic Epipedon (A2)		_	MLRA 149		, ,		e Redox (A16) (L	
	Black Histic (A3)				ace (S9) (LRF			Peat or Peat (S3	
	Hydrogen Sulfide (A4))			Mineral (F1) (LRR K, L)		e (S7) (LRR K, L	
	Stratified Layers (A5) Depleted Below Dark	Surface (A		amy Gleyed I pleted Matrix				elow Surface (S8 surface (S9) (LRR	
	Thick Dark Surface (A			dox Dark Su				nese Masses (F1:	
	Sandy Mucky Mineral				Surface (F7)			loodplain Soils (F	
	Sandy Gleyed Matrix	(S4)	☐ Red	dox Depress	sions (F8)			ic (TA6) (MLRA 1	144A, 145, 149E
	Sandy Redox (S5)							Material (F21)	
	Ctuin a a al Matuite (CC)							Davis C	FE40\
	Stripped Matrix (S6) Dark Surface (S7) (I F	RR R. MIF	RA 149B)					w Dark Surface (1	ΓF12)
	Stripped Matrix (S6) Dark Surface (S7) (LF	RR R, MLF	RA 149B)					w Dark Surface (7 ain in Remarks)	ΓF12)
dicators	Dark Surface (S7) (LF of Hydrophytic vegeta	ation and w		st be present	t, unless distu	urbed or pr	☐ Other (Expl		ΓF12)
dicators	Dark Surface (S7) (LF of Hydrophytic vegeta e Layer (if observed)	ation and w		st be present	t, unless distu	urbed or pr	Other (Expl	ain in Remarks)	
dicators estrictive	Dark Surface (S7) (LF of Hydrophytic vegeta e Layer (if observed)	ation and w		st be present	t, unless distu	urbed or pr	☐ Other (Expl	ain in Remarks)	ΓF12) No ⊠
dicators estrictive Type: Depth	Dark Surface (S7) (LF of Hydrophytic vegetale Layer (if observed)::h (inches):	ation and v	wetland hydrology mus	st be present	t, unless distu	urbed or pr	Other (Expl	ain in Remarks)	
dicators estrictive Type: Depth	Dark Surface (S7) (LF of Hydrophytic vegeta e Layer (if observed)	ation and v	wetland hydrology mus	st be present	t, unless distu	urbed or pro	Other (Expl	ain in Remarks)	
dicators strictive Type: Depth	Dark Surface (S7) (LF of Hydrophytic vegetale Layer (if observed)::h (inches):	ation and v	wetland hydrology mus	st be present	t, unless distu	urbed or pro	Other (Expl	ain in Remarks)	
dicators strictive Type: Depth	Dark Surface (S7) (LF of Hydrophytic vegetale Layer (if observed)::h (inches):	ation and v	wetland hydrology mus	st be present	t, unless distu	urbed or pro	Other (Expl	ain in Remarks)	
dicators strictive Type: Depth	Dark Surface (S7) (LF of Hydrophytic vegetale Layer (if observed)::h (inches):	ation and v	wetland hydrology mus	st be present	t, unless distu	urbed or pro	Other (Expl	ain in Remarks)	
dicators strictive Type: Depth	Dark Surface (S7) (LF of Hydrophytic vegetale Layer (if observed)::h (inches):	ation and v	wetland hydrology mus	st be present	t, unless distu	urbed or pr	Other (Expl	ain in Remarks)	
dicators strictive Type: Depth	Dark Surface (S7) (LF of Hydrophytic vegetale Layer (if observed)::h (inches):	ation and v	wetland hydrology mus	st be present	t, unless distu	urbed or pr	Other (Expl	ain in Remarks)	
dicators strictive Type: Depth	Dark Surface (S7) (LF of Hydrophytic vegetale Layer (if observed)::h (inches):	ation and v	wetland hydrology mus	st be present	t, unless distu	urbed or pr	Other (Expl	ain in Remarks)	
dicators strictive Type: Depth	Dark Surface (S7) (LF of Hydrophytic vegetale Layer (if observed)::h (inches):	ation and v	wetland hydrology mus	st be present	t, unless distu	urbed or pr	Other (Expl	ain in Remarks)	
dicators strictive Type: Depth	Dark Surface (S7) (LF of Hydrophytic vegetale Layer (if observed)::h (inches):	ation and v	wetland hydrology mus	st be present	t, unless distu	urbed or pro	Other (Expl	ain in Remarks)	
dicators strictive Type: Depth	Dark Surface (S7) (LF of Hydrophytic vegetale Layer (if observed)::h (inches):	ation and v	wetland hydrology mus	st be present	t, unless distu	urbed or pr	Other (Expl	ain in Remarks)	
dicators strictive Type: Depth	Dark Surface (S7) (LF of Hydrophytic vegetale Layer (if observed)::h (inches):	ation and v	wetland hydrology mus	st be present	t, unless distu	urbed or pr	Other (Expl	ain in Remarks)	
dicators strictive Type: Depth	Dark Surface (S7) (LF of Hydrophytic vegetale Layer (if observed)::h (inches):	ation and v	wetland hydrology mus	st be present	t, unless distu	urbed or pr	Other (Expl	ain in Remarks)	
dicators strictive Type: Depth	Dark Surface (S7) (LF of Hydrophytic vegetale Layer (if observed)::h (inches):	ation and v	wetland hydrology mus	st be present	t, unless distu	urbed or pro	Other (Expl	ain in Remarks)	
dicators estrictive Type: Depth	Dark Surface (S7) (LF of Hydrophytic vegetale Layer (if observed)::h (inches):	ation and v	wetland hydrology mus	st be present	t, unless distu	urbed or pr	Other (Expl	ain in Remarks)	
dicators estrictive Type: Depth	Dark Surface (S7) (LF of Hydrophytic vegetale Layer (if observed)::h (inches):	ation and v	wetland hydrology mus	et be present	t, unless distu	urbed or pr	Other (Expl	ain in Remarks)	
ndicators estrictive Type: Depth	Dark Surface (S7) (LF of Hydrophytic vegetale Layer (if observed)::h (inches):	ation and v	wetland hydrology mus	at be present	t, unless distu	urbed or pr	Other (Expl	ain in Remarks)	
dicators estrictive Type: Depth	Dark Surface (S7) (LF of Hydrophytic vegetale Layer (if observed)::h (inches):	ation and v	wetland hydrology mus	at be present	t, unless distu	urbed or pr	Other (Expl	ain in Remarks)	
dicators estrictive Type: Depth	Dark Surface (S7) (LF of Hydrophytic vegetale Layer (if observed)::h (inches):	ation and v	wetland hydrology mus	et be present	t, unless distu	urbed or pr	Other (Expl	ain in Remarks)	
dicators estrictive Type: Depth	Dark Surface (S7) (LF of Hydrophytic vegetale Layer (if observed)::h (inches):	ation and v	wetland hydrology mus	st be present	t, unless distu	urbed or pr	Other (Expl	ain in Remarks)	
dicators strictive Type: Depth	Dark Surface (S7) (LF of Hydrophytic vegetale Layer (if observed)::h (inches):	ation and v	wetland hydrology mus	et be present	t, unless distu	urbed or pr	Other (Expl	ain in Remarks)	

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: <u>5-15-2019</u> Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 75 Applicant/Owner: ___ State: WI Investigator(s): Chris Jors and Shane Heyel: SEWRPC Section, Township, Range: <u>SE Quarter, Section 21, T8N-R19E</u> Landform (hillslope, terrace, etc.): slight hillslope Local relief (concave, convex, none): linear Slope (%): 6-12% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Hochheim Ioam (HmC2) NWI classification: F0Kf Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area ⊠Yes Hydrophytic Vegetation Present? ПNо ☐ Yes ⊠No within a Wetland? □No Hydric Soils Present? ⊠Yes ⊠No Wetland Hydrology Present? □Yes If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) ☐ Surface Soil Cracks (B6) ☐ Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) ☐ Saturation (A3) ☐ Marl Deposits (B15) ☐ Dry-Season Water Table (C2) Water marks (B1) ☐ Hydrogen Sulfide Odor (C1) \bowtie Crayfish Burrows (C8) П ☐ Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) ☐ Presence of Reduced Iron (C4) Drift Deposits (B3) Geomorphic Position (D2) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) \Box Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) **Field Observations:** Surface Water Present? Yes No 🖂 Depth (inches): _ Water Table Present? Yes 🛛 No 🗌 Depth (inches): 26 Saturation Present? Yes 🛛 No 🗌 Depth (inches): 24 Wetland Hydrology Present? Yes No 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4). Remarks: The sample site is in the FEMA-mapped one-percent-annual-probability floodplain of the unnamed tributary to Spring Creek. However, as a recently improved drain tile system is present and the sample site is not in a concave position, geomorphic position (D2) does not apply. Recent Iron Reduction in Tilled Soils (C6) indicator not checked since timing and depth of last tillage could not be determined. Only one secondary wetland hydrology indicator observed.

Tree Stratum (Plot size: 30' radius)	Absolute <u>% Cover</u>		ndicator <u>Status</u>	Dominance Test worksheet:
1				Number of Dominant Species
2				That are OBL, FACW, or FAC: 2 (A)
3				Total Number of Dominant
4				Species Across All Strata: <u>2</u> (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 100% (A/B)
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1		П		FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
··· <u></u>	<u>0</u>	= Total Cover		Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5' radius)	-	= 10tal 00vcl		Dominance Test is >50% Prevalence Index is ≤3.0¹
1. Acer negundo	<u>2</u>		FAC	☐ Morphological Adaptations¹ (Provide supporting
2. <u>Veronica peregrina</u>	<u>-</u> <u>2</u>	\boxtimes	FAC	data in Remarks or on a separate sheet)
3	-			Problematic Hydrophytic Vegetation¹ (Explain)
				¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5				Definitions of Vegetation Strata:
6				Deminions of Vegetation Strata.
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>4</u>	= Total Cover		Woody vines – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30' radius)				height
1				
2				
3				Hydrophytic
4		П		Vegetation
	<u>0</u>	= Total Cover		Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet.) Agricultura	al field.		

Remarks plomite M=Matrix Hydric Soils³:
olomite M=Matrix
л=Matrix
л=Matrix
л=Matrix
л=Matrix
R K, L, MLRA 149B)
A16) (LLR K, L, R) Peat (S3) (LLR K, L, R
RR K, L)
ace (S8) (LRR K, L)
9) (LRR K, L)
ses (F12) (LRR K, L, F
Soils (F19) (MLRA 149 MLRA 144A, 145, 149
F21)
rface (TF12)
narks)
′es⊠ No □
\

WETLAND DETERMI	NATION DATA	FORM – Northce	entral and N	Iortheast F	Region
Project/Site: Hickory Hill Farms, Inc.	City/County: Vil	llage of Sussex/Waukes	sha County		Sampling Date: <u>5-15-2019</u>
Applicant/Owner:			State: WI		Sampling Point: 76
Investigator(s): Chris Jors and Shane Heyel: SEWRPO	Sec Sec	ction, Township, Range	: SE Quarter, Se	ection 21, T8N-	
Landform (hillslope, terrace, etc.): toeslope	Loc	cal relief (concave, conv	/ex, none): conc	<u>ave</u>	Slope (%): 0-2%
Subregion (LRR or MLRA): <u>LRR K</u>	Lat	:: Long:	Datu	m:	
Soil Map Unit Name: Pella silt loam (Ph)				NWI class	sification: None
Are climatic/hydrologic conditions on the site typical for	this time of year?	Yes ⊠ No □	(If no, explain i		
Are Vegetation, Soil, or Hydrology sign		Are "Normal Circur	mstances" preser	nt? Yes 🖂	No 🗆
Are Vegetation, Soil, or Hydrology na	aturally problematic?	(If, needed, explair	n any answers in	Remarks.)	
SUMMARY OF FINDINGS – Attach site ma	an showing sami	nling point locatio	one transact	e importan	t features etc
Somman of The bit of Attach site in	ap snowing samp	pinig point locatio	Jiis, transect	s, importan	it leatures, etc.
_					
Hydrophytic Vegetation Present? Yes	□No	Is the Sampled Area	а	M vaa	
Hydric Soils Present?	□No	within a Wetland?		⊠ Yes	□No
Wetland Hydrology Present? ☐ Yes	□No				
		If yes, optional Wetla			
Remarks: (Explain alternative procedures here or in a	a separate report.) 90	-day antecedent pre	cipitation is nor	mal.	
HYDROLOGY					
Wetland Hydrology Indicators:			Sec	condany Indicat	ors (minimum of two required)
			<u>360</u>	condary maicat	ors (minimum or two required)
Primary Indicators (minimum of one is required; check	<u>call that apply)</u>			Surface Soil	Cracks (B6)
☐ Surface Water (A1)		ed Leaves (B9)		Drainage Pat	terns (B10)
☐ High Water Table (A2)		, ,	<u>-</u>	Moss Trim Li	, ,
				-	
Saturation (A3)	Marl Deposits	s (B15)		Dry-Season	Water Table (C2)
Water marks (B1)	Hydrogen Su	Ilfide Odor (C1)		Crayfish Bu	rrows (C8)
☐ Sediment Deposits (B2)	Oxidized Rhiz	zospheres on Living Ro	oots (C3)	Saturation Vi	sible on Aerial Imagery (C9)
Drift Deposits (B3)		Reduced Iron (C4)		Stunted or St	ressed Plants (D1)
Algel Met er Cruet (P4)		Reduction in Tilled Soils		Geomorphic	
□ Water marks (B1) □ Sediment Deposits (B2) □ Drift Deposits (B3) □ Algal Mat or Crust (B4) □ Iron Deposits (B5)				Geomorphic	
	Thin Muck Su			Shallow Aqui	tard (D3)
Inundation Visible on Aerial Imagery (B7)	Other (Explai	in in Remarks)		Microtopogra	phic Relief (D4)
☐ Sparsely Vegetated Concave Surface (B8)			П	FAC-Neutral	Test (D5)
Field Observations:					
	epth (inches):				
	epth (inches): 27				
	epth (inches): <u>0 (surfa</u>	ace)	Wetland Hydro	logy Present?	Yes⊠ No □
(includes capillary fringe)					
Describe Recorded Data (stream gauge, monitoring v	vell, aerial photos, prev	vious inspections), if av	ailable: Topo Ma	ap (Exhibit 1), V	VWI Map (Exhibit 2), Soils Map
(Exhibit 3), and Aerial Photos (Exhibit 4).					
Remarks: The sample site is on a toeslope in the	e FEMA-mapped flo	odplain, but geomor	phic position (D	2) is not ched	cked due to a drain tile
system, which has been recently improved. Nur	nerous crayfish burr	rows were present. R	Recent Iron Rec	luction in Tille	ed Soils (C6) indicator not
checked since timing and depth of last tillage co	-	•			,

Tree Stratum (Plot size: 30' radius)	Absolute <u>% Cover</u>	Dominant Species?	Indicator Status	Dominance Test worksheet:
1	70 COVEL		Status	Number of Dominant Species
				That are OBL, FACW, or FAC: 2 (A)
2				
3				Total Number of Dominant Species Across All Strata: 2 (B)
4				
5				Percent of Dominant Species That Are ORL FACIAL or FAC: 1009/ (A/R)
6				That Are OBL, FACW, or FAC: 100% (A/B)
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	r	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
				Hydrophytic Vegetation Indicators:
7				Rapid Test for Hydrophytic Vegetation
	<u>0</u>	= Total Cove	Г	□ Dominance Test is >50% □ Domin
Herb Stratum (Plot size: <u>5' radius</u>)	•	M	FAC	☐ Prevalence Index is ≤3.0¹☐ Morphological Adaptations¹ (Provide supporting
1. Veronica peregrina	<u>3</u>		FAC	data in Remarks or on a separate sheet)
2. Acer negundo	<u>1</u>		<u>FAC</u>	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3				¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5				
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9			·	2
10				Sapling/shrub – Woody plants less than 3in. DBH and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12		_		of size, and woody plants less than 3.28 ft tall.
	<u>4</u>	= Total Cove	r	Woody vines – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30' radius)				height
1				
2		ш		
3				Hydrophytic
4				Vegetation
	<u>0</u>	= Total Cove	r	Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet.) Atypical (f	armed) wetlan	d.	

Profile De	scription: (Describe to	the dep	th needed to do	cument the inc	dicator or co	nfirm the a	bsence of indicators.)			
Depth	Matrix			Redox Fea	atures					
(inches)	Color (moist)	%	Color (moist	t) %	Type ¹	Loc ²	Texture	Re	emarks	
0-4	10YR 3/1	100					Silt loam			
4-11	10YR 3/1	97	10YR 4/6	3	С	PL M	Clay loam			
11-28	5Y 5/2	85	10YR 5/6	10	С	PL M	Clay loam			
			5GY 5/1	5		M	· · · · · ·			
	-						· 			
	-		-		-		· 			
	· -					-	· <u></u>			
	-						· 			
	-				_		· 			
	-						· 			
						-	· -			
							· 			
¹Tvpe: C=	Concentration, D=Depl	etion. RN			Sand Grains		² Location: PL=Pore Li	ning, M=Matrix	x	
	il Indicators:	,		,			Indicators for Problem			
	Histosol (A1)			Polyvalue Beld		8) (LRR R,				
	Histic Epipedon (A2)		_	MLRA 14	,		☐ Coast Prairie R			
	Black Histic (A3)			Thin Dark Sur						K, L, R)
	Hydrogen Sulfide (A4) Stratified Layers (A5)		님	Loamy Mucky Loamy Gleyed	, ,	(LRR K, L)	☐ Dark Surface (S☐ Polyvalue Belov			(1)
	Depleted Below Dark	Surface	(A11)	Depleted Matr			☐ Thin Dark Surfa	` '		Λ, L)
	Thick Dark Surface (A		,···, □	Redox Dark S			☐ Iron-Manganes			K, L, R)
	Sandy Mucky Mineral			Depleted Dark			☐ Piedmont Flood			
	Sandy Gleyed Matrix (S4)		Redox Depres	ssions (F8)		☐ Mesic Spodic (¯		44A, 14	5, 149B)
	Sandy Redox (S5)						Red Parent Ma			
	Stripped Matrix (S6) Dark Surface (S7) (LR	D D MII	2 A 140P\				☐ Very Shallow D☐ Other (Explain in the content of the content		F12)	
	Dark Surface (57) (LR	K K, WILI	(A 149b)				☐ Other (Explain)	in Kemarks)		
3Indicators	of Hydrophytic vegetat	ion and v	vetland hydrology	must be prese	nt, unless dist	urbed or pr	oblematic.			
	e Layer (if observed):		, ,,		<u> </u>	· ·				
Туре	e:						Hydric Soil Present?	Yes 🛛	No [
Dept	th (inches):									
Remarks:							·			
l										
l										

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: 5-15-2019 Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County State: WI Sampling Point: 77 Applicant/Owner: ___ Investigator(s): Chris Jors and Shane Heyel: SEWRPC Section, Township, Range: SE Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): broad swale Local relief (concave, convex, none): linear, concave Slope (%): 0-2% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Pella silt loam (Ph) NWI classification: F0Kf Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No □ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? □Yes ⊠No ☐ Yes ⊠No within a Wetland? ⊠Yes □No Hydric Soils Present? ⊠No Wetland Hydrology Present? □Yes If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) ☐ Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) ☐ Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) ☐ Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) П ☐ Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) \boxtimes Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) Drift Deposits (B3) ☐ Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Algal Mat or Crust (B4) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) \Box Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) **Field Observations:** Surface Water Present? Yes No 🖂 Depth (inches): Water Table Present? Yes 🖂 No 🗌 Depth (inches): 24 Saturation Present? Yes 🛛 No 🗌 Depth (inches): 21 Wetland Hydrology Present? Yes No 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), Aerial Photos (Exhibit 4), and NAIP/FSA Images (Exhibit 12). Remarks: NAIP/FSA image review found the sample site area exhibited wetness signatures on 9 out of 10 (90%) images taken with normal antecedent precipitation. The site is in a broad swale within the FEMA-mapped floodplain. However, geomorphic position (D2) is not checked due to the presence of a drain tile system, which has been recently improved in this area. Recent Iron Reduction in Tilled Soils (C6) indicator not checked since timing and depth of last tillage could not be determined. Only one secondary wetland hydrology indicator observed.

<u>Tree Stratum</u> (Plot size: <u>30' radius</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1	<u> 70 00vei</u>		<u>Otatus</u>	Number of Dominant Species
2	· <u></u>			That are OBL, FACW, or FAC: <u>0</u> (A)
3				Total Number of Dominant
				Species Across All Strata: 0 (B)
4				_ , ,
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 0% (A/B)
6				
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
				Hydrophytic Vegetation Indicators:
7				Rapid Test for Hydrophytic Vegetation
	<u>0</u>	= Total Cove	er	Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)				☐ Prevalence Index is ≤3.0¹☐ Morphological Adaptations¹ (Provide supporting
1				data in Remarks or on a separate sheet)
2				☐ Problematic Hydrophytic Vegetation¹ (Explain)
3				¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5				
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH and greater than 3.28 ft (1 m) tall.
10				and greater than 3.26 ft (1 m) tall.
11				Herb - All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>0</u>	= Total Cove	er	Woody vines – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30' radius)				height
1				
2				
3				Hydrophytic
4.				Vegetation
	<u>0</u>	= Total Cove	er	Present? Yes ☐ No ☒
Remarks: (include photo number here or on a separate sheet.				tion, only corn stubble from the previous year's
crop.	, 0		J	

Profile Des	scription: (Describe to	the dep	oth needed to docu			nfirm the a	bsence of indicators.)		
Depth	Matrix			Redox Feat	ures		_		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remark	S
-15	10YR 3/1	97	10YR 4/6	3	С	PL M	Silty clay loam		
5-26	2.5Y 3/1	95	10YR 4/6	5	C	PL M	Clay loam		
	<u> </u>								
			•			-			
Type: C=	Concentration, D=Depl	etion, RN	1=Reduced Matrix, N	//S= Masked S	and Grains		² Location: PL=Pore I	•	
-	il Indicators:						Indicators for Proble		
	Histosol (A1) Histic Epipedon (A2)		∐ P	olyvalue Belov MLRA 149		8) (LRR R ,	,	10) (LRR K, L, MLR<i>A</i> Redox (A16) (LLR K,	,
	Black Histic (A3)		Пт	hin Dark Surfa	,	RR MIRA		eat or Peat (S3) (LLF	
	Hydrogen Sulfide (A4)			oamy Mucky N				(S7) (LRR K, L)	
	Stratified Layers (A5)			oamy Gleyed I		, ,		ow Surface (S8) (LRF	R K, L)
	Depleted Below Dark S			epleted Matrix				face (S9) (LRR K, L)	
	Thick Dark Surface (A1			edox Dark Su				se Masses (F12) (LR	
	Sandy Mucky Mineral (Sandy Gleyed Matrix (epleted Dark Stedox Depress				odplain Soils (F19) (M (TA6) (MLRA 144A, 1	
	Sandy Redox (S5)	34)		ledox Depress	10115 (F0)		Red Parent Ma		143, 1496)
	Stripped Matrix (S6)							Dark Surface (TF12)	
	Dark Surface (S7) (LR	R R, ML	RA 149B)				Other (Explain		
	of Hydrophytic vegetate Layer (if observed):		vetland hydrology m	ust be present	, unless dist	urbed or pr	oblematic.		
	e Layer (ir observed): ::						Hydria Sail Brasant?	Vac ⊠ No	
, ,	h (inches):						Hydric Soil Present?	Yes ⊠ No	
Remarks:	<u></u>								
tomanto.									

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: 5-15-2019 Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 78 Applicant/Owner: ___ State: WI Investigator(s): Chris Jors and Shane Heyel: SEWRPC Section, Township, Range: SE Quarter, Section 21, T8N-R19E Slope (%): 0-2% Landform (hillslope, terrace, etc.): broad swale Local relief (concave, convex, none): linear, concave Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Pella silt loam (Ph) NWI classification: F0Kf Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No □ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area ⊠Yes Hydrophytic Vegetation Present? ПNо ⊠No ☐ Yes within a Wetland? □No Hydric Soils Present? ⊠Yes ⊠No Wetland Hydrology Present? □Yes If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. Sample site is just outside the delineated wetland boundary. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) ☐ Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) ☐ Saturation (A3) ☐ Marl Deposits (B15) ☐ Dry-Season Water Table (C2) Water marks (B1) ☐ Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) П ☐ Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) \boxtimes Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) Drift Deposits (B3) ☐ Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Algal Mat or Crust (B4) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) \Box Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) **Field Observations:** Surface Water Present? Yes No 🖂 Depth (inches): __ Water Table Present? Depth (inches): __ Yes No 🛛 Saturation Present? Yes 🛛 No 🗌 Depth (inches): 0 (surface) to 6 and at 25 **Wetland Hydrology Present?** Yes No 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), Aerial Photos (Exhibit 4), and NAIP/FSA Images (Exhibit 12). Remarks: NAIP/FSA image review found the sample site area exhibited wetness signatures on 9 out of 10 (90%) images taken with normal antecedent precipitation. The site is in a broad swale within the FEMA-mapped floodplain. However, geomorphic position (D2) is not checked due to the presence of a drain tile system, which has been recently improved in this area. Recent Iron Reduction in Tilled Soils (C6) indicator not checked since timing and depth of last tillage could not be determined. Only one secondary wetland hydrology indicator observed.

Tree Stratum (Plot size: 30' radius)	Absolute		Indicator	Dominance Test worksheet:
1	% Cover	Species? □	<u>Status</u>	
				Number of Dominant Species That are OBL, FACW, or FAC: 1 (A)
2				
3				Total Number of Dominant Species Across All Strata: 1 (B)
4				
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)
6				
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	r	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1		П		FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
				Hydrophytic Vegetation Indicators:
7	<u>0</u>			☐ Rapid Test for Hydrophytic Vegetation
Harle Christian (Diet sings 51 and sings)	<u>U</u>	= Total Cove	ſ	Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)	4	\square	EAC	☐ Prevalence Index is ≤3.0¹☐ Morphological Adaptations¹ (Provide supporting
1. Veronica peregrina	1		FAC	data in Remarks or on a separate sheet)
2				☐ Problematic Hydrophytic Vegetation¹ (Explain)
3				¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5		П		
6				Definitions of Vegetation Strata:
7		П		Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				
				Herb – All herbaceous (non-woody) plants, regardless
12	<u>1</u>	_		of size, and woody plants less than 3.28 ft tall.
		= Total Cove	ſ	Woody vines - All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30' radius)				height
1				
2		<u> </u>		
3				Hydrophytic
4				Vegetation
	<u>0</u>	= Total Cove	r	Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet.) Agricultura	al field.		

Profile De	scription: (Describe to	the dep	oth needed to docu			nfirm the a	bsence of indicators.)		
Depth	Matrix			Redox Feat	ures		_		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Rer	narks
-19	2.5Y 2.5/1	95	10YR 3/6	5	C	PL M	Silty clay loam		
9-28	2.5Y 3/1	97	10YR 3/6	6	С	PL M	Clay loam		
						-			
						-			
				<u> </u>				-	
								-	
ype: C=	Concentration, D=Deple	etion, RM	1=Reduced Matrix, N	//S= Masked S	and Grains		² Location: PL=Pore I	ining, M=Matrix	
-	il Indicators:		_				Indicators for Proble		
_	Histosol (A1)		☐ P	olyvalue Belov		8) (LRR R,		10) (LRR K, L, M	
	Histic Epipedon (A2)			MLRA 149	,	D D MI DA		Redox (A16) (LL I	
	Black Histic (A3) Hydrogen Sulfide (A4)			hin Dark Surfa oamy Mucky N				eat or Peat (S3) (S7) (LRR K, L)	(LLR K, L, R)
	Stratified Layers (A5)			oamy Gleyed I		LKK K, L)		ow Surface (S8) ((IRRKI)
	Depleted Below Dark S	urface (epleted Matrix				face (S9) (LRR K	
	Thick Dark Surface (A1			edox Dark Su				se Masses (F12)	
	Sandy Mucky Mineral (S1)		epleted Dark				dplain Soils (F19	
	Sandy Gleyed Matrix (S	64)	□R	ledox Depress	ions (F8)			(TA6) (MLRA 14	4A, 145, 149B)
	Sandy Redox (S5)						Red Parent Ma		
	Stripped Matrix (S6)	D D MILE	A 440B\					Dark Surface (TF	12)
Ш	Dark Surface (S7) (LRI	X IX, IVILI	(A 149D)				Other (Explain	ili Remarks)	
Indicators	of Hydrophytic vegetati	on and v	vetland hydrology m	ust be present	, unless dist	urbed or pro	oblematic.		
	e Layer (if observed):		, 0,	· · · · · · · · · · · · · · · · · · ·	·	<u> </u>			
Туре	e:						Hydric Soil Present?	Yes ⊠	No 🗌
Dept	h (inches):								
Remarks:									

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: <u>5-15-2019</u> Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 79 Applicant/Owner: ___ State: WI Investigator(s): Chris Jors and Shane Heyel: SEWRPC Section, Township, Range: <u>SE Quarter, Section 21, T8N-R19E</u> Landform (hillslope, terrace, etc.): depression Local relief (concave, convex, none): concave Slope (%): 0-2% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Pella silt loam (Ph) NWI classification: F0Kf Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_X_, Soil____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes □ No 🖂 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? □No ⊠Yes within a Wetland? ✓ Yes □No □No Hydric Soils Present? ⊠Yes □No Wetland Hydrology Present? ⊠Yes If yes, optional Wetland Site ID: PCA 7 Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. The sample site has significantly disturbed vegetation due to farming. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) ☐ Surface Water (A1) Drainage Patterns (B10) High Water Table (A2) ☐ Aquatic Fauna (B13) Moss Trim Lines (B16) \boxtimes Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) ☐ Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Oxidized Rhizospheres on Living Roots (C3) ⊠ Sediment Deposits (B2) \boxtimes Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Recent Iron Reduction in Tilled Soils (C6) Algal Mat or Crust (B4) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Other (Explain in Remarks) Inundation Visible on Aerial Imagery (B7) Microtopographic Relief (D4) \Box Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) **Field Observations:** Surface Water Present? Yes No 🛛 Depth (inches): Water Table Present? Yes 🛚 No 🗌 Depth (inches): 13 Saturation Present? Yes 🖂 No \square Depth (inches): 0 (at surface) Wetland Hydrology Present? No 🗌 Yes 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), Aerial Photos (Exhibit 4), and NAIP/FSA Images (Exhibit 12). Remarks: NAIP/FSA image review found the sample site area exhibited wetness signatures on 9 out of 10 (90%) images taken with normal antecedent precipitation. The site is in a depression within the FEMA-mapped floodplain. However, geomorphic position (D2) is not checked due to the presence of a drain tile system, which has been recently improved in this area. Recent Iron Reduction in Tilled Soils (C6) indicator not checked since timing and depth of last tillage could not be determined.

_			
Samp	lina	Dainte	70

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1	76 COVEL		Status	Number of Dominant Species
2				That are OBL, FACW, or FAC: <u>0</u> (A)
3				Total Number of Dominant
4	· 			Species Across All Strata: <u>0</u> (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 0% (A/B)
7				Prevalence Index worksheet:
··· <u></u>	<u>0</u>	= Total Cove		
Conling/Shrub Stratum (Plat aiza: 20' radius)	-	- Total Cove	ž1	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2		_		FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A = Hydrophytic Vegetation Indicators:
7				Rapid Test for Hydrophytic Vegetation
III I Oc. (Disc. St. III.)	<u>0</u>	= Total Cove	er	Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)		П		☐ Prevalence Index is ≤3.0¹☐ Morphological Adaptations¹ (Provide supporting
1				data in Remarks or on a separate sheet)
2				☐ Problematic Hydrophytic Vegetation¹ (Explain)
3				¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5				
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9	·			Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>0</u>	= Total Cove	er	Woody vines All woody vines greater than 2.29 ft in
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in height
1				
2				
3				Hydrophytic
4				Vegetation
	<u>0</u>	= Total Cove	er	Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet. stubble present. It exhibits wetland hydrology indicators significantly disturbed hydrophytic vegetation. Atypical (and has a	hydric soil. Th	-	

3-18 10YR 3/1 95 10YR 4/6 5 C PL M Clay loam	Profile Des	scription: (Describe t	o the de	oth needed to docur	ment the ind	licator or cor	nfirm the a	bsence of indicators.)	
(Inches) Color (moist)	Depth	Matrix			Redox Feat	tures			
10YR 3/1		Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains	0-8	10YR 2/1	97	7.5YR 3/4	3	С	PL M	Silty clay loam	
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains	8-18	10YR 3/1	95	10YR 4/6	5	С	PL M	Clay loam	
Hydric Soil Indicators: Histosol (A1)	18-24	2.5Y 3/1	95	2.5Y 5/2	5	D	PL M	Clay loam	
Hydric Soil Indicators: Histosol (A1)		-	-	-		-		· - ·	
Hydric Soil Indicators: Histosol (A1)									
Hydric Soil Indicators: Histosol (A1)			-	-		-			
Hydric Soil Indicators: Histosol (A1)		-	-	-		-			
Hydric Soil Indicators: Histosol (A1)		-	-	-			-	-	
Hydric Soil Indicators: Histosol (A1)		-	-	-		-			
Hydric Soil Indicators: Histosol (A1)		-		-		· -		-	
Hydric Soil Indicators: Histosol (A1)		-	-	-			-	-	
Hydric Soil Indicators: Histosol (A1)				-	_				
Hydric Soil Indicators: Histosol (A1)				<u>-</u>					
Histosol (A1)			letion, RN	M=Reduced Matrix, M	1S= Masked S	Sand Grains			
☐ Histic Epipedon (A2) MLRA 149B) ☐ Coast Prairie Redox (A16) (LLR K, L, R) ☐ Black Histic (A3) ☐ Thin Dark Surface (S9) (LRR R, MLRA 149B) ☐ 5 cm Mucky Peat or Peat (S3) (LLR K, L, R) ☐ Hydrogen Sulfide (A4) ☐ Loamy Mucky Mineral (F1) (LRR K, L) ☐ Dark Surface (S7) (LRR K, L) ☐ Stratified Layers (A5) ☐ Loamy Gleyed Matrix (F2) ☐ Polyvalue Below Surface (S8) (LRR K, L) ☐ Depleted Below Dark Surface (A11) ☐ Depleted Matrix (F3) ☐ Thin Dark Surface (S9) (LRR K, L) ☐ Thick Dark Surface (A12) ☐ Redox Dark Surface (F6) ☐ Iron-Manganese Masses (F12) (LRR K, L, R) ☐ Sandy Mucky Mineral (S1) ☐ Depleted Dark Surface (F7) ☐ Piedmont Floodplain Soils (F19) (MLRA 149B) ☐ Sandy Redox (S5) ☐ Mesic Spodic (TA6) (MLRA 144A, 145, 149B) ☐ Stripped Matrix (S6) ☐ Very Shallow Dark Surface (TF12) ☐ Dark Surface (S7) (LRR R, MLRA 149B) ☐ Other (Explain in Remarks) Plandicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type:	-					0 1 1=	0) // == =		•
Black Histic (A3)				∐ Po			ö) (LRR R,		
Hydrogen Sulfide (A4)				Пт		,	R R. MLRA		
□ Depleted Below Dark Surface (A11) □ Depleted Matrix (F3) □ Thin Dark Surface (S9) (LRR K, L) □ Thick Dark Surface (A12) ☑ Redox Dark Surface (F6) □ Iron-Manganese Masses (F12) (LRR K, L, R) □ Sandy Mucky Mineral (S1) □ Depleted Dark Surface (F7) □ Piedmont Floodplain Soils (F19) (MLRA 149B □ Sandy Gleyed Matrix (S4) □ Redox Depressions (F8) □ Mesic Spodic (TA6) (MLRA 144A, 145, 149B) □ Sandy Redox (S5) □ Red Parent Material (F21) □ Very Shallow Dark Surface (TF12) □ Dark Surface (S7) (LRR R, MLRA 149B) □ Other (Explain in Remarks) **Restrictive Layer (if observed): Type: Depth (inches): **Depth (inches): **Depth (inches): **Depth (inches): **Depth (inches): Hydric Soil Present? Yes ☑ No □)						
☐ Thick Dark Surface (A12) ☑ Redox Dark Surface (F6) ☐ Iron-Manganese Masses (F12) (LRR K, L, R) ☐ Sandy Mucky Mineral (S1) ☐ Depleted Dark Surface (F7) ☐ Piedmont Floodplain Soils (F19) (MLRA 1498) ☐ Sandy Gleyed Matrix (S4) ☐ Redox Depressions (F8) ☐ Mesic Spodic (TA6) (MLRA 144A, 145, 149B) ☐ Sandy Redox (S5) ☐ Red Parent Material (F21) ☐ Stripped Matrix (S6) ☐ Very Shallow Dark Surface (TF12) ☐ Dark Surface (S7) (LRR R, MLRA 149B) ☐ Other (Explain in Remarks) **Restrictive Layer (if observed): Type: Depth (inches): **Hydric Soil Present?** Yes ☑ No ☐									` , ` ,
Sandy Mucky Mineral (S1)									
Sandy Gleyed Matrix (S4) Redox Depressions (F8) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Redox (S5) Red Parent Material (F21) Stripped Matrix (S6) Very Shallow Dark Surface (TF12) Dark Surface (S7) (LRR R, MLRA 149B) Other (Explain in Remarks) Plandicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches):									
☐ Stripped Matrix (S6) ☐ Very Shallow Dark Surface (TF12) ☐ Dark Surface (S7) (LRR R, MLRA 149B) ☐ Other (Explain in Remarks) Plandicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes ☑ No ☐									
□ Dark Surface (S7) (LRR R, MLRA 149B) □ Other (Explain in Remarks) Cindicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches):									
**Indicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. **Restrictive Layer (if observed): Type: Depth (inches):			D D MII	DA 440D\					
Restrictive Layer (if observed): Type: Hydric Soil Present? Yes No Depth (inches):		Dark Surface (S7) (LF	KK K, WIL	KA 149D)				☐ Other (Explain	III Remarks)
Type: Hydric Soil Present? Yes No Depth (inches):	³ Indicators	of Hydrophytic vegeta	tion and v	wetland hydrology mu	ust be presen	ıt, unless dist	urbed or pr	oblematic.	
Depth (inches):	Restrictive	E Layer (if observed)	:						
								Hydric Soil Present?	Yes 🛛 No 🗌
Remarks:		h (inches):							
	Remarks:								

WETLAND DETERMINAT	TION DATA FORM -	Northcentral and Northeas	st Region
Project/Site: Hickory Hill Farms, Inc.	City/County: Village of Suss		Sampling Date: <u>5-16-2019</u>
Applicant/Owner:	, ,	State: WI	Sampling Point: 80
Investigator(s): Chris Jors, Dan Carter, and Shane Heyel: S	EWRPC Section, Towns	hip, Range: <u>SE Quarter, Section 21, T</u>	
Landform (hillslope, terrace, etc.): depression		cave, convex, none): concave	Slope (%): <u>0-2%</u>
Subregion (LRR or MLRA): LRR K	Lat:`	Long: Datum:	,
Soil Map Unit Name: Brookston silt loam (BsA)		_	classification: E1K/F0Kf
Are climatic/hydrologic conditions on the site typical for this t	ime of year? Yes ⊠	No (If no, explain in Remarks)	
Are Vegetation, Soil, or Hydrology signification		rmal Circumstances" present? Yes	
Are Vegetation, Soil, or Hydrology naturall		ed, explain any answers in Remarks.)	
SUMMARY OF FINDINGS – Attach site map s			tant foatures, etc
SOMMANT OF TINDINGS - Attach site map s	nowing sampling poil	it locations, transects, impor	tant leatures, etc.
Hydrophytic Vegetation Present? ☐ Yes ☐ No.	and the second	npled Area	□N:
Hydric Soils Present? ☐ Yes ☐ No.		/etland? ⊠ Yes	□No
Wetland Hydrology Present? ☐N			
		onal Wetland Site ID: PCA 6	
Remarks: (Explain alternative procedures here or in a sepa	arate report.) 90-day antec	edent precipitation is normal.	
LIVEROLOGY			
HYDROLOGY Western d. Under learning diseases		Casardamila	licateur (minimum of ture no suine d)
Wetland Hydrology Indicators:		Secondary Ind	licators (minimum of two required)
Primary Indicators (minimum of one is required; check all the	nat apply)	☐ Surface S	Soil Cracks (B6)
☐ Surface Water (A1)	Water-Stained Leaves (B	9) Drainage	Patterns (B10)
_		· —	
High Water Table (A2)	_ ' ' '		m Lines (B16)
Saturation (A3) ■	Marl Deposits (B15)		on Water Table (C2)
Water marks (B1)	Hydrogen Sulfide Odor (C	Crayfish	Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on	Living Roots (C3) Saturation	on Visible on Aerial Imagery (C9)
☐ Drift Deposits (B3)			or Stressed Plants (D1)
Alread Mark on Course (D4)		Filled Seile (SS)	, ,
□ Water marks (B1) □ Sediment Deposits (B2) □ Drift Deposits (B3) □ Algal Mat or Crust (B4) □ Iron Deposits (B5) □ Inundation Visible on Aerial Imagery (B7)		` ' =	hic Position (D2)
Iron Deposits (B5)	_		Aquitard (D3)
☐ Inundation Visible on Aerial Imagery (B7) ☐	Other (Explain in Remark	s) Microtopo	ographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)		⊠ FAC-Neu	ıtral Test (D5)
Field Observations:			
Surface Water Present? Yes ☐ No ☒ Depth	(inches):		
	·		
·	(inches): 21		
	(inches): <u>10</u>	Wetland Hydrology Prese	ent? Yes⊠ No 🏻
(includes capillary fringe)			
Describe Recorded Data (stream gauge, monitoring well, a		ions), if available: Topo Map (Exhibit	1), WWI Map (Exhibit 2), Soils Map
(Exhibit 3), Aerial Photos (Exhibit 4), and NAIP/FSA Image	s (Exhibit 12).		
Remarks: Oxidized rhizospheres starting at 3 inches	below the surface. NAIP/F	SA image review found the sampl	e site area exhibited wetness
signatures on 9 out of 10 (90%) images taken with n	ormal antecedent precipita	ation. The site is in a depression, b	out geomorphic position (D2) is
not checked due to the presence of a drain tile syste	m, which has been recent	ly improved in this area. Recent Iro	on Reduction in Tilled Soils
(C6) indicator not checked since timing and depth of			
(Co) maioator not enconed entoe anning and dopin of	ast image coura not so a		

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1	76 COVEL		Status	Number of Dominant Species
2				That are OBL, FACW, or FAC: 1 (A)
3				Total Number of Dominant Species Across All Strata: 1 (B)
4				
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 100% (A/B)
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
·· <u> </u>	<u>0</u>	= Total Cove		Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5' radius)	⊻	= 10tal Cove	71	Dominance Test is >50% Prevalence Index is ≤3.0¹
	<u>40</u>	\boxtimes	FACW	☐ Morphological Adaptations¹ (Provide supporting
1. Persicaria pensylvanica	<u></u> <u>5</u>		OBL	data in Remarks or on a separate sheet)
2. Typha angustifolia			<u>FAC</u>	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3. Ambrosia trifida	<u>4</u>			¹ Indicators of hydric soil and wetland hydrology must
4. Ranunclus sceleratus	<u>4</u>		<u>OBL</u>	Be present, unless disturbed or problematic.
5. Polygonum aviculare	<u>1</u>		<u>FACU</u>	Definitions of Manufaction Office
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>54</u>	= Total Cove	er	
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in
1				height
2				
2				
3				Hydrophytic Vegetation
4				Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet) Atypical (f	= Total Cove		
Remarks. (include prioto number here of on a separate sheet.	.) Atypicai (i	anneuj wellai	id/iiesii (we	meadow.

Depth		o trie dep	orn needed to d			ntirm the a	bsence of indicators.)		
	Matrix			Redox Feat			_		
(inches)	Color (moist)	%	Color (mois	st) %	Type ¹	Loc ²	Texture	R	emarks
)-17	2.5Y 3/1	90	10YR 3/6	10	C	PL M	Silty clay loam		
7-19	2.5Y 3/2	97	10YR 3/6	3	C	M	Clay loam		
9-24	10YR 4/1	98	10YR 3/6	2	C	M	Clay loam		
							-		
			-					· -	
							-		
							-		
Type: C=0	Concentration, D=Depl	etion, RM	I=Reduced Matr	ix, MS= Masked S	Sand Grains		² Location: PL=Pore	Lining, M=Matri	x
	I Indicators:	,		,			Indicators for Probl		
	Histosol (A1)			. ,	•	8) (LRR R ,		(10) (LRR K, L,	
	Histic Epipedon (A2) Black Histic (A3)			MLRA 149 Thin Dark Surfa	,	D D MIDA		Redox (A16) (L Peat or Peat (S3	
	Hydrogen Sulfide (A4)							(S7) (LRR K, L	
	Stratified Layers (A5)				, ,	, ,		low Surface (S8	
	Depleted Below Dark S							rface (S9) (LRR	
	Thick Dark Surface (A								2) (LRR K, L, R)
	Sandy Mucky Mineral Sandy Gleyed Matrix (•					19) (MLRA 149B 44A, 145, 149B)
	Sandy Redox (S5)	04)		Redox Depress	510113 (1 0)		Red Parent N		++A, 1+3, 1+3B)
	Stripped Matrix (S6)						Very Shallow	Dark Surface (7	F12)
	Dark Surface (S7) (LR	R R, MLF	RA 149B)				☐ Other (Explai	n in Remarks)	
Indicators	of Hydrophytic vegetat	tion and v	vetland hydrolog	v must be present	t. unless dist	urbed or pr	oblematic.		
	or regular			,,	.,	ата стр.			
	Layer (if observed):						Hydric Soil Present	? Yes ⊠	No 🗌
Restrictive	Layer (if observed):	•							140
Restrictive Type:		•							140
Restrictive Type:	: <u> </u>	•							
Restrictive Type: Depth	: <u> </u>	•							
Restrictive Type: Depth	: <u> </u>								140 🖺
Restrictive Type: Depth	: <u> </u>	•							No []
Restrictive Type: Depth	: <u> </u>								
Restrictive Type: Depth	: <u> </u>								
Restrictive Type: Depth	: <u> </u>								
estrictive Type: Depth	: <u> </u>								
Restrictive Type: Depth	: <u> </u>								
Restrictive Type: Depth	: <u> </u>								
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Restrictive Type: Depth	: <u> </u>								
Restrictive Type: Depth	: <u> </u>								
Restrictive Type: Depth	: <u> </u>								

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: <u>5-16-2019</u> Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County State: WI Sampling Point: 81 Applicant/Owner: __ Investigator(s): Chris Jors, Dan Carter, and Shane Heyel: SEWRPC Section, Township, Range: SE Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): hillslope Local relief (concave, convex, none): linear Slope (%): 1-6% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Ritchey silt loam (RkB) NWI classification: *E1K/F0Kf Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area ⊠Yes Hydrophytic Vegetation Present? ПNо ☐ Yes within a Wetland? ⊠No ⊠No Hydric Soils Present? □Yes ⊠No Wetland Hydrology Present? □Yes If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. *The sample site is on the WWImapped wetland boundary and was found to be just outside the delineated boundary. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) ☐ Surface Soil Cracks (B6) ☐ Surface Water (A1) ☐ Water-Stained Leaves (B9) ☐ Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) ☐ Saturation (A3) ☐ Marl Deposits (B15) ☐ Dry-Season Water Table (C2) Water marks (B1) ☐ Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) П ☐ Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) ☐ Presence of Reduced Iron (C4) Drift Deposits (B3) ☐ Recent Iron Reduction in Tilled Soils (C6) Algal Mat or Crust (B4) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) \Box Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No 🖂 Depth (inches): __ Water Table Present? Yes No 🛛 Depth (inches): Saturation Present? Yes 🛛 No 🗌 Depth (inches): 16 Wetland Hydrology Present? Yes No 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), Aerial Photos (Exhibit 4), and NAIP/FSA Images (Exhibit 12). Remarks: NAIP/FSA image review found the sample site area exhibited wetness signatures on 9 out of 10 (90%) images taken with normal antecedent precipitation. The site is at the upper edge of a depression and WWI-mapped wetland boundary. However, geomorphic position (D2) is not checked due to the presence of a recently repaired/improved drain tile system. One secondary wetland hydrology indicator observed.

Tree Stratum (Plot size: 30' radius)	Absolute % Cover		ndicator <u>Status</u>	Dominance Test worksheet:
1				Number of Dominant Species
2				That are OBL, FACW, or FAC: 2 (A)
3				Total Number of Dominant
4			-	Species Across All Strata: <u>2</u> (B)
5			-	Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 100% (A/B)
7	-			Prevalence Index worksheet:
	<u>0</u>	= Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4	<u> </u>			UPL species x 5 =
5				Column Totals: (A) (B)
6	<u> </u>			Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
·· <u>—</u>	<u>0</u>	= Total Cover		Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5' radius)	-	= 10tai 00vci		Dominance Test is >50% Prevalence Index is ≤3.0¹
1. Ambrosia trifida	<u>3</u>	\boxtimes	FAC	☐ Morphological Adaptations¹ (Provide supporting
2. Bidens vulgata	1	\boxtimes	FAC	data in Remarks or on a separate sheet)
3	_			Problematic Hydrophytic Vegetation ¹ (Explain)
				¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5				Definitions of Vegetation Strata:
6				Definitions of Vegetation outlate.
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>4</u>	= Total Cover		Woody vines – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30' radius)				height
1				
2				
3				Hydrophytic
4				Vegetation
	<u>0</u>	= Total Cover		Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet	.) Agricultura	al field.		

Profile De	scription: (Describe t	o the de	oth needed to docu	ment the ind	licator or cor	nfirm the a	bsence of indicators.)	
Depth	Matrix		- <u></u>	Redox Feat	tures		_	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-14	2.5Y 3/1	100			. <u></u>		Silty clay loam	
14-17	2.5Y 3/1	95	10YR 3/4	5	С	PL M	Clay loam	
17-24	5Y 5/1	90	10YR 4/6	10	С	PL M	Clay loam	
							-	
	· -	-			· 			
					·		-	
¹ Type: C=	Concentration, D=Dep	letion, RN	M=Reduced Matrix, N	IS= Masked S	Sand Grains		² Location: PL=Pore L	
-	il Indicators:				_		Indicators for Problem	•
	Histosol (A1)		☐ P	olyvalue Belo		8) (LRR R	•	10) (LRR K, L, MLRA 149B)
	Histic Epipedon (A2)			MLRA 149	,			Redox (A16) (LLR K, L, R)
	Black Histic (A3) Hydrogen Sulfide (A4)			hin Dark Surfa oamy Mucky I				eat or Peat (S3) (LLR K, L, R) S7) (LRR K, L)
	Stratified Layers (A5)	1		oamy Gleyed	, ,	(LKK K, L)		ow Surface (S8) (LRR K, L)
	Depleted Below Dark	Surface (epleted Matri				face (S9) (LRR K, L)
	Thick Dark Surface (A			edox Dark Su				se Masses (F12) (LRR K, L, R)
	Sandy Mucky Mineral			epleted Dark				dplain Soils (F19) (MLRA 149B)
	Sandy Gleyed Matrix ((S4)	□ R	edox Depress	sions (F8)			(TA6) (MLRA 144A, 145, 149B)
	Sandy Redox (S5) Stripped Matrix (S6)						☐ Red Parent Ma☐ Very Shallow □	ateriai (F21) Dark Surface (TF12)
	Dark Surface (S7) (LR	R R. MLI	RA 149B)				Other (Explain	
	2 a (2 (2)	,	,					
	of Hydrophytic vegeta		vetland hydrology mu	ust be presen	it, unless disti	urbed or pr	oblematic.	
	e Layer (if observed)	:						
):						Hydric Soil Present?	Yes 🗌 No 🛚
	th (inches):							_
Remarks: I	No hydric soil indica	tors obs	erved.					

WETLAND DETERMINATION DA	ATA FORM – Northcentral and Northeast Region
Project/Site: <u>Hickory Hill Farms, Inc.</u> City/Cour Applicant/Owner:	ty: Village of Sussex/Waukesha County State: WI Sampling Date: 5-16-2019 Sampling Point: 82
Investigator(s): Chris Jors, Dan Carter, and Shane Heyel: SEWRPC Landform (hillslope, terrace, etc.): depression (excavated pond) Subregion (LRR or MLRA): LRR K Soil Map Unit Name: Water (W)	Section, Township, Range: SW Quarter, Section 21, T8N-R19E Local relief (concave, convex, none): concave Slope (%): N/A Lat: Long: NWI classification: W0Hx
Are climatic/hydrologic conditions on the site typical for this time of yea Are Vegetation_X_, Soil, or Hydrology significantly disturbate Vegetation, Soil, or Hydrology naturally problems	bed? Are "Normal Circumstances" present? Yes ☐ No ☒ atic? (If, needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing	sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present?	Is the Sampled Area within a Wetland?
	If yes, optional Wetland Site ID: PCA 11 rt.) 90-day antecedent precipitation is normal. The sample site has significantly
disturbed vegetation due to being in a constructed and manag	ged pond.
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	☐ Surface Soil Cracks (B6)
	Stained Leaves (B9)
<u> </u>	c Fauna (B13)
☐ Saturation (A3) ☐ Marl D	eposits (B15) Dry-Season Water Table (C2)
	gen Sulfide Odor (C1)
Sediment Deposits (B2)	ed Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
☐ Drift Deposits (B3) ☐ Preser	nce of Reduced Iron (C4) Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	t Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2)
Algal Mat or Crust (B4) Recent	
	(Explain in Remarks)
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	40
Surface Water Present? Yes ⊠ No ☐ Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes ☐ No ☐ Depth (inches): _ (includes capillary fringe)	Wetland Hydrology Present? Yes ⊠ No □
	os, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map
Remarks:	

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1	76 COVEL		Status	Number of Dominant Species
2				That are OBL, FACW, or FAC: <u>0</u> (A)
3				Total Number of Dominant
4	· 			Species Across All Strata: <u>0</u> (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 0% (A/B)
7				Prevalence Index worksheet:
··· <u></u>	<u>0</u>	= Total Cove		
Sapling/Shrub Stratum (Plot size: 30' radius)	_	= 10tal 00ve	ž1	
				OBL species x 1 =
1				FACW species x 2 =
2		_		FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A = Hydrophytic Vegetation Indicators:
7				Rapid Test for Hydrophytic Vegetation
	<u>0</u>	= Total Cove	er	Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)				☐ Prevalence Index is ≤3.0¹☐ Morphological Adaptations¹ (Provide supporting
1				data in Remarks or on a separate sheet)
2				☐ Problematic Hydrophytic Vegetation¹ (Explain)
3				¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5				
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>0</u>	= Total Cove	er	Manda vines All woods vines greater than 2.20 ft in
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in height
1				
2				
3				Hydrophytic
4				Vegetation
	<u>0</u>	= Total Cove	er	Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet, banks are managed to control/prohibit vegetation. The site is wetland with significantly disturbed hydrometric disturbance disturbed hydrometric disturbance d	site exhibits	indicators of v	wetland hyd	

Profile Des	scription: (Describe to	the depth ned	eded to doc			firm the abs	sence of indicators.)	
Depth	Matrix			Redox Fea				
(inches)	Color (moist)	% C	olor (moist)	%	Type ¹	Loc ²	Texture	Remarks
					· 			
					· 			-
Tumou C. C	Concentration D. Donlot	ion DM Dod	road Motrix	MC Maskad 9	Cond Croins		21 agation, DI Dara	Lining M. Matrix
	Concentration, D=Deplet Indicators:	ion, Rivi=Redi	iced Matrix,	WS= Wasked 3	Sand Grains		² Location: PL=Pore	ematic Hydric Soils ³ :
-	Histosol (A1)		П	Polyvalue Belo	w Surface (S	8) (LRR R .		.10) (LRR K, L, MLRA 149B)
	Histic Epipedon (A2)			MLRA 149		o, (= ,		Redox (A16) (LLR K, L, R)
	Black Histic (A3)			Thin Dark Surfa	ace (S9) (LRF	R R, MLRA 1		Peat or Peat (S3) (LLR K, L, R)
	Hydrogen Sulfide (A4)			Loamy Mucky		LRR K, L)		(S7) (LRR K, L)
	Stratified Layers (A5)			Loamy Gleyed				ow Surface (S8) (LRR K, L)
	Depleted Below Dark Su Thick Dark Surface (A12	irtace (A11)		Depleted Matri				face (S9) (LRR K, L)
	Frick Dark Surface (A12 Sandy Mucky Mineral (S			Redox Dark Su Depleted Dark				ese Masses (F12) (LRR K, L, R) odplain Soils (F19) (MLRA 149E
	Sandy Macky Milleral (S Sandy Gleyed Matrix (S			Redox Depress				(TA6) (MLRA 144A, 145, 149B)
	Sandy Redox (S5)	-,	_				☐ Red Parent M	
	Stripped Matrix (S6)							Dark Surface (TF12)
	Dark Surface (S7) (LRR	R, MLRA 149	B)					in in Remarks)
Indicators	of Uvdrophytic vegetatio	n and watland	l budrologu	must be presen	t unlaca diati	irhad ar arab	Jamatia	
	of Hydrophytic vegetatio Layer (if observed):	ii and welland	i Hydrology i	nust be presen	ii, uriiess uisit	inted of prob	lemanc.	
Type:							Hydric Soil Present	? Yes⊠ No □
	(inches):						riyane oon riesent	
		th 12 inches	of water at	t the sample r	point, making	a it hydric b	y definition per Criteria	3.
						9	,	

WETLAND DET	ERMINATION DATA I	FORM - Northcen	ntral and Northeast	Region	
Project/Site: Hickory Hill Farms - Mitigation Ba	ank Area City/County: Vill	age of Sussex/Waukesha	a County	Sampling Date: <u>5-16-2019</u>	
Applicant/Owner:			State: WI	Sampling Point: 83	
Investigator(s): Chris Jors, Dan Carter, and Sh			SW Quarter, Section 21, T8N		
Landform (hillslope, terrace, etc.): <u>berm (dredç</u> Subregion (LRR or MLRA): <u>LRR K</u>		al relief (concave, convex	· 	Slope (%): <u>0-2%</u>	
Soil Map Unit Name: Houghton muck (HtA)	Lat.	Long:		ssification: None	
Are climatic/hydrologic conditions on the site ty	pical for this time of year?	Yes⊠ No ☐ (If no, explain in Remarks)	issuication. Induite	
Are Vegetation, Soil, or Hydrology			tances" present? Yes	No 🗆	
Are Vegetation, Soil, or Hydrology		(If, needed, explain a	ny answers in Remarks.)		
SUMMARY OF FINDINGS – Attach	site map showing samp	oling point location	s, transects, importa	nt features, etc.	
			· · · · · · · · · · · · · · · · · · ·		
Hydrophytic Vegetation Present?	⊠No	Is the Sampled Area			
Hydric Soils Present? ☐Yes	⊠No	within a Wetland?	☐ Yes	⊠No	
Wetland Hydrology Present? ☐ Yes	⊠No				
		If yes, optional Wetland		1 20 0	
Remarks: (Explain alternative procedures he				nple site contains	
significant dredge spoil material associa	ted with construction of the	adjacent pond wnich o	occurred in the 1970s.		
HYDROLOGY					
Wetland Hydrology Indicators:			Secondary Indica	tors (minimum of two required)	
Primary Indicators (minimum of one is require	ed; check all that apply)		☐ Surface Soil	Cracks (B6)	
☐ Surface Water (A1)	☐ Water-Stained	d Leaves (B9)	☐ Drainage Pa	, ,	
☐ High Water Table (A2)	 Aquatic Fauna	` '			
Saturation (A3)	☐ Marl Deposits				
Wester marks (P1)		osits (B15) Diy-Season Water Table (C2) Crayfish Burrows (C8)			
Water marks (B1)		` ,			
Sediment Deposits (B2)		cospheres on Living Roots		(isible on Aerial Imagery (C9)	
Water marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)		Reduced Iron (C4)		Stressed Plants (D1)	
Algal Mat or Crust (B4)		Reduction in Tilled Soils (C		Position (D2)	
Iron Deposits (B5)	Thin Muck Su	, ,	Shallow Aqu	itard (D3)	
Inundation Visible on Aerial Image	ry (B7)	n in Remarks)	Microtopogra	aphic Relief (D4)	
☐ Sparsely Vegetated Concave Surface	ace (B8)		☐ FAC-Neutra	l Test (D5)	
Field Observations:					
Surface Water Present? Yes ☐ No	_ · · · /				
Water Table Present? Yes ⊠ No	☐ Depth (inches): 19				
Saturation Present? Yes ⊠ No (includes capillary fringe)	Depth (inches): 13	w	letland Hydrology Present	? Yes ☐ No ⊠	
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, prev	rious inspections), if availa	able: Topo Map (Exhibit 1),	WWI Map (Exhibit 2), Soils Map	
(Exhibit 3), and Aerial Photos (Exhibit 4).					
D. I. No westle and building to a significant					
Remarks: No wetland hydrology indicator	rs observed.				

Tree Stratum (Plot size: 30' radius)	Absolute	Dominant Species?	Indicator	Dominance Test worksheet:
1	% Cover	Species?	<u>Status</u>	Number of Dominant Species
				That are OBL, FACW, or FAC: 0 (A)
2				
3				Total Number of Dominant Species Across All Strata: 1 (B)
4				
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 0% (A/B)
6				
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
· · · 	<u>0</u>	= Total Cove	۰r	Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5' radius)	_	- 10tai 00V	,,	☐ Dominance Test is >50% ☐ Prevalence Index is ≤3.0¹
1. Poa pratensis	<u>55</u>	\boxtimes	FACU	☐ Morphological Adaptations¹ (Provide supporting
2. Trifolium repens	<u>15</u>		FACU	data in Remarks or on a separate sheet)
	<u>12</u>		FACU	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3. <u>Elymus repens</u>				¹ Indicators of hydric soil and wetland hydrology must
4. <u>Taraxacum officinale</u>	<u>10</u>		<u>FACU</u>	Be present, unless disturbed or problematic.
5. Medicago lupulina	<u>2</u>		<u>FACU</u>	Definitions of Variation Strate.
6. <u>Plantago major</u>	<u>2</u>		<u>FACU</u>	Definitions of Vegetation Strata:
7. <u>Veronica arvensis</u>	<u>2</u>		<u>FACU</u>	Tree – Woody plants 3in. (7.6 cm) or more in diameter
8. Veronica peregrina	<u>2</u>		FAC	at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>100</u>	= Total Cove	er	
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in height
1				neight
2				
3				
4				Hydrophytic Vegetation
4				Present? Yes □ No ☒
Remarks: (include photo number here or on a separate sheet) Mowed la	= Total Cove		
remarks. (include prioto number here of off a separate sheet	.) Mowed la	vvii.		

Profile Des	scription: (Describe	to the depth n	eeded to doci	ument the ind	icator or cor	firm the a	bsence	of indicators.)	
Depth	Matrix			Redox Fea	tures		_		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		Texture	Remarks
)-4	10YR 2/1	100					Silt lo	am	Topsoil spread here for turf
-24	10YR 4/2	50					Very	fine sandy loam	Dredge spoil
	10YR 5/6	50						-	
									-
	-	· —— —		<u> </u>					
	Concentration, D=Dep	oletion, RM=Re	educed Matrix,	MS= Masked S	Sand Grains			² Location: PL=Pore	
-	I Indicators:								ematic Hydric Soils ³ :
	Histosol (A1)			Polyvalue Belo		8) (LRR R ,			(10) (LRR K, L, MLRA 149B)
	Histic Epipedon (A2)			MLRA 149	,	D MIDA	440B\		Redox (A16) (LLR K, L, R)
	Black Histic (A3) Hydrogen Sulfide (A4)	١		Thin Dark Surfa ∟oamy Mucky I			(1496)		Peat or Peat (S3) (LLR K, L, R) (S7) (LRR K, L)
	Stratified Layers (A5))		_oamy Gleyed		LKK K, L)			low Surface (S8) (LRR K, L)
	Depleted Below Dark	Surface (A11)		Depleted Matri					rface (S9) (LRR K, L)
	Thick Dark Surface (A			Redox Dark Su					ese Masses (F12) (LRR K, L, R)
	Sandy Mucky Mineral			Depleted Dark				-	odplain Soils (F19) (MLRA 149B)
	Sandy Gleyed Matrix	(54)	F	Redox Depress	sions (Fo)				(TA6) (MLRA 144A, 145, 149B)
	Sandy Redox (S5)							Red Parent N	
	Stripped Matrix (S6)		400)						Dark Surface (TF12)
	Dark Surface (S7) (LF	RR R, MILRA 1	49B)					☐ Other (Explai	n in Remarks)
	of Hydrophytic vegeta Layer (if observed)		nd hydrology n	nust be presen	t, unless dist	urbed or pr	oblema	tic.	
	:).					١.	Hudria Sail Brasant	2 Voo □ No □
							- [Hydric Soil Present	? Yes ☐ No ☒
	h (inches):								=
		-	ile contains a	Iternating lay	ers of each	color of v	ery fine	e sandy loam of 0.	5 to 1 inch in thickness. No
nydric soil	I indicators were ob	served.							

WETLAND DETERMINATION	N DATA FORM - Northc	entral and Northeast Reg	ion
	County: Village of Sussex/Wauke	•	pling Date: <u>5-16-2019</u>
Applicant/Owner:			pling Point: <u>84</u>
Investigator(s): <u>Chris Jors, Dan Carter, and Shane Heyel: SEWRI</u> Landform (hillslope, terrace, etc.): <u>depression</u>	PC Section, Township, Range Local relief (concave, con	: SW Quarter, Section 21, T8N-R19I	<u>E</u> e (%): 0-2%
Subregion (LRR or MLRA): <u>LRR K</u>	Lat: Long: _	. ,	e (%). <u>0-2%</u>
Soil Map Unit Name: Houghton muck (HtA)		NWI classificat	tion: F0Kf
Are climatic/hydrologic conditions on the site typical for this time o		(If no, explain in Remarks)	
Are Vegetation, Soil, or Hydrology significantly of		mstances" present? Yes	No 🗌
Are Vegetation, Soil, or Hydrology naturally prol		n any answers in Remarks.)	
SUMMARY OF FINDINGS – Attach site map show	ing sampling point location	ons, transects, important fea	atures, etc.
	Is the Compled Are	_	
Hydrophytic Vegetation Present?	Is the Sampled Are within a Wetland?	a ⊠ Yes	□No
Wetland Hydrology Present?			
,	If yes, optional Wetla	and Site ID: PCA 10	
Remarks: (Explain alternative procedures here or in a separate	report.) 90-day antecedent pre	cipitation is normal.	
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary Indicators (r	minimum of two required)
Primary Indicators (minimum of one is required; check all that ap	oply)	☐ Surface Soil Crack	ks (B6)
Surface Water (A1) W	/ater-Stained Leaves (B9)	Drainage Patterns	(B10)
High Water Table (A2)	quatic Fauna (B13)	Moss Trim Lines (B16)
	arl Deposits (B15)	Dry-Season Water	r Table (C2)
Water marks (B1)	ydrogen Sulfide Odor (C1)	Crayfish Burrows	(C8)
☐ Water marks (B1) ☐ H: ☐ Sediment Deposits (B2) ☐ O ☐ Drift Deposits (B3) ☐ Pr	xidized Rhizospheres on Living Ro	oots (C3) Saturation Visible	e on Aerial Imagery (C9)
☐ Drift Deposits (B3) ☐ Pr	resence of Reduced Iron (C4)	Stunted or Stresse	ed Plants (D1)
	ecent Iron Reduction in Tilled Soils		ion (D2)
	hin Muck Surface (C7)	Shallow Aquitard ((D3)
	ther (Explain in Remarks)	☐ Microtopographic	Relief (D4)
□ Sparsely Vegetated Concave Surface (B8)	,	FAC-Neutral Test	, ,
Field Observations:			()
Surface Water Present? Yes No Depth (inche	es):		
Water Table Present? Yes ⊠ No ☐ Depth (inche	es): <u>21</u>		
Saturation Present? Yes ⊠ No ☐ Depth (inche	es): <u>8</u>	Wetland Hydrology Present?	Yes⊠ No □
(includes capillary fringe)			
Describe Recorded Data (stream gauge, monitoring well, aerial p		ailable: Topo Map (Exhibit 1), WWI	Map (Exhibit 2), Soils Map
(Exhibit 3), Aerial Photos (Exhibit 4), and NAIP/FSA Images (Exhibit 3)	MIDIL 12).		
Remarks: NAIP/FSA image review found the sample site	area exhibited wetness signatu	ures in 10 out of 10 (100%) image	es taken with normal
antecedent precipitation. Inundation was observed in the	_		
due to the presence of a drain tile system, which has rece			

Tree Stratum (Plot size: 30' radius)	Absolute <u>% Cover</u>	Dominant Species?	Indicator <u>Status</u>	Dominance Test worksheet:
1	70 COVEL		Status	Number of Dominant Species
				That are OBL, FACW, or FAC: 1 (A)
2				,
3				Total Number of Dominant Species Across All Strata: 1 (B)
4				Openics Across Air Strata.
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 1000% (A/B)
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cover	r	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				•
4 5				UPL species x 5 =
				Column Totals: (A) (B)
6				Prevalence Index = B/A = Hydrophytic Vegetation Indicators:
7				Rapid Test for Hydrophytic Vegetation
	<u>0</u>	= Total Cover	r	□ Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)				☐ Prevalence Index is ≤3.0¹
1. <u>Veronica peregrina</u>	<u>1</u>	\boxtimes	<u>FAC</u>	☐ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
2				☐ Problematic Hydrophytic Vegetation¹ (Explain)
3				
4				Indicators of hydric soil and wetland hydrology must Be present, unless disturbed or problematic.
5		П		Do process, amoed distance of problematic.
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height
8				at broadt Holgin (BBH), rogal aloos of Holgin
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>1</u>	= Total Cover	r	Weedy vines All woody vines greater than 2.29 ft in
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in height
1				
2.				
3.		П		Hydrophytic
4				Hydrophytic Vegetation
*·	<u> </u>	= Total Cover		Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet.				
Tromaine. (monade priote manifer riero el en a separate encet.	, ritypiodi (i	arriod) Worldin	a.	

Profile Des	scription: (Describe to	o the depth r	eeded to docu	ment the indi	cator or con	firm the al	bsence	e of indicators.)	Sampling Po	
	Matrix			Redox Feat				·		
Depth (inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	_	Texture	Re	marks
0-4	10YR 2/1	100	, ,				Silt lo	oam		
4-24	N 2.5/	100					Muck			
				_				<u> </u>		
	·									
	<u> </u>									
	· 									
								0		
	Concentration, D=Depl	etion, RM=Re	educed Matrix, N	1S= Masked S	and Grains			² Location: PL=Pore Lin	-	
-	il Indicators: Histosol (A1)		ПР	olyvalue Belov	v Surface (S8	3) (LRR R		Indicators for Problem 2 cm Muck (A10		
	Histic Epipedon (A2)		ъ.	MLRA 149) (= :\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		☐ Coast Prairie Re		
	Black Histic (A3)		□ т	hin Dark Surfa	ice (S9) (LRR	R, MLRA	149B)			
	Hydrogen Sulfide (A4)			oamy Mucky N		LRR K, L)		Dark Surface (S		
	Stratified Layers (A5)	D(A.4.)		camy Gleyed I				Polyvalue Below		
	Depleted Below Dark S Thick Dark Surface (A			epleted Matrix edox Dark Su				☐ Thin Dark Surface☐ Iron-Manganese		
	Sandy Mucky Mineral			epleted Dark Su						9) (MLRA 149B)
	Sandy Gleyed Matrix (edox Depress				☐ Mesic Spodic (T		
	Sandy Redox (S5)							☐ Red Parent Mate		
	Stripped Matrix (S6)	D D MI D A 4	400)					☐ Very Shallow Da		F12)
Ш	Dark Surface (S7) (LR	R R, WILKA 1	49B)					Other (Explain in	i Kemarks)	
3Indicators	of Hydrophytic vegetat	tion and wetla	nd hydrology m	ust be present	, unless distu	rbed or pro	oblema	itic.		
	e Layer (if observed):			·		·				
, ,	:							Hydric Soil Present?	Yes ⊠	No 🗌
Deptl	h (inches):									
Remarks:										

WETLAND DETERMIN	NATION DATA	FORM – Northce	entral and North	neast Region
Project/Site: <u>Hickory Hill Farms, Inc.</u> Applicant/Owner:		age of Sussex/Waukes		Sampling Date: <u>5-16-2019</u> Sampling Point: <u>85</u>
Investigator(s): Chris Jors, Dan Carter, and Shane Hey		tion, Township, Range		
Landform (hillslope, terrace, etc.): <u>slight hillslope</u> Subregion (LRR or MLRA): <u>LRR K</u>		al relief (concave, conv Long:		Slope (%): <u>0-3%</u>
Soil Map Unit Name: <u>Lamartine silt loam (LmB)</u>	Lat.			NWI classification: None
Are climatic/hydrologic conditions on the site typical for		Yes⊠ No 🗆	(If no, explain in Ren	narks)
Are Vegetation, Soil, or Hydrology sig			nstances" present?	
Are Vegetation, Soil, or Hydrology nat		•	any answers in Rema	•
SUMMARY OF FINDINGS – Attach site ma	ip snowing samp		ons, transects, in	portant features, etc.
Hydrophytic Vegetation Present?	□No	Is the Sampled Area	1	
, , ,	_ □No	within a Wetland?	⊠ Ye	es
Wetland Hydrology Present?	□No		10: 15 504 40	
Remarks: (Explain alternative procedures here or in a	congrate report \ 90-	If yes, optional Wetlan	<u> </u>	
Remarks. (Explain alternative procedures here of in a	separate report.) 30-	day antecedent pret	dipitation is normal.	
HYDROLOGY				
Wetland Hydrology Indicators:			Seconda	ry Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check	all that apply)		☐ Surf	face Soil Cracks (B6)
☐ Surface Water (A1)	☐ Water-Stained	d Leaves (B9)		inage Patterns (B10)
High Water Table (A2)	Aquatic Fauna			ss Trim Lines (B16)
Saturation (A3)	☐ Marl Deposits			Season Water Table (C2)
☐ Water marks (B1)		fide Odor (C1)		yfish Burrows (C8)
□ Water marks (B1) □ Sediment Deposits (B2) □ Drift Deposits (B3)		cospheres on Living Ro		uration Visible on Aerial Imagery (C9)
☐ Drift Deposits (B3)		Reduced Iron (C4)		nted or Stressed Plants (D1)
Algal Mat or Crust (B4)		eduction in Tilled Soils		omorphic Position (D2)
☐ Iron Deposits (B5)	Thin Muck Su	rface (C7)		llow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)	Other (Explain	n in Remarks)		rotopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)			FAC	C-Neutral Test (D5)
Field Observations:				
Surface Water Present? Yes ☐ No ☒ De	epth (inches):			
Water Table Present? Yes ⊠ No □ De	epth (inches): 20			
	epth (inches): 0 (at su	<u>ırface)</u>	Wetland Hydrology I	Present? Yes⊠ No □
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring w	ell aerial photos prev	ious inspections) if av	ailable: Topo Map (Ex	hihit 1) WWI Man (Exhibit 2) Soils Man
(Exhibit 3), and Aerial Photos (Exhibit 4).	cii, aciiai priotos, prev	ious irispections), ir ave	anabic. Topo Map (Ex	THORE 1), WWW Map (Exhibit 2), Oolis Map
Remarks:				

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1	76 COVEL		Status	Number of Dominant Species
2				That are OBL, FACW, or FAC: 2 (A)
3				Total Number of Dominant Species Across All Strata: <u>3</u> (B)
4				
5				Percent of Dominant Species That Are ORL FACIAL or FAC: 679/ (A/R)
6				That Are OBL, FACW, or FAC: 67% (A/B)
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1. Rhamnus cathartica	<u>7</u>	\boxtimes	FAC	FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
				Hydrophytic Vegetation Indicators:
7	7			Rapid Test for Hydrophytic Vegetation
	<u>7</u>	= Total Cove	er	□ Dominance Test is >50% □ 20.01
Herb Stratum (Plot size: 5' radius)	20	⊠	ODI	☐ Prevalence Index is ≤3.0¹☐ Morphological Adaptations¹ (Provide supporting
1. Carex pellita	<u>30</u>		OBL	data in Remarks or on a separate sheet)
2. Solidago altissima	<u>30</u>		<u>FACU</u>	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3. Geum aleppicum	<u>10</u>		<u>FAC</u>	¹ Indicators of hydric soil and wetland hydrology must
4. Poa pratensis	<u>5</u>		<u>FACU</u>	Be present, unless disturbed or problematic.
5. <u>Taraxacum officinale</u>	<u>1</u>		<u>FACU</u>	
6				Definitions of Vegetation Strata:
7			·	Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Continued have been been then 2 in DDII
10				Sapling/shrub – Woody plants less than 3in. DBH and greater than 3.28 ft (1 m) tall.
11				
				Herb – All herbaceous (non-woody) plants, regardless
12	76			of size, and woody plants less than 3.28 ft tall.
	<u>76</u>	= Total Cove	? I	Woody vines – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30' radius)				height
1				
2		Ш		
3				Hydrophytic
4				Vegetation V 57
	<u>0</u>	= Total Cove	er	Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet.) Degraded	sedge meado	W.	

Profile De	scription: (Describe to	the dep	th needed to docu	ment the indi	icator or cor	nfirm the a	bsence of indicators.)	
Depth	Matrix			Redox Feat	tures		_	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
-11	N 2.5/	100					Muck	
1-26	2.5Y 4/1	92	2.5Y 4/4	8	С	PL M	Clay loam	
	-							
	-							
	-							
	Concentration, D=Depl	etion, RM	I=Reduced Matrix, N	MS= Masked S	Sand Grains		² Location: PL=Pore L	
-	il Indicators: Histosol (A1)		ПР	olyvalue Belov	w Surface (S	8) (I RP P	Indicators for Proble	matic Hydric Soils³: .10) (LRR K, L, MLRA 149B)
_	Histic Epipedon (A2)			MLRA 149		o) (LKK K,	•	Redox (A16) (LLR K, L, R)
	Black Histic (A3)		□ T	hin Dark Surfa	,	R R, MLRA		eat or Peat (S3) (LLR K, L, R
	Hydrogen Sulfide (A4)			oamy Mucky N		LRR K, L)		(S7) (LRR K, L)
	Stratified Layers (A5) Depleted Below Dark	Surface		oamy Gleyed epleted Matrix				ow Surface (S8) (LRR K, L) face (S9) (LRR K, L)
	Thick Dark Surface (A			Redox Dark Su				se Masses (F12) (LRR K, L, F
	Sandy Mucky Mineral			epleted Dark				odplain Soils (F19) (MLRA 149
	Sandy Gleyed Matrix (S4)	□R	Redox Depress	sions (F8)			(TA6) (MLRA 144A, 145, 149
	Sandy Redox (S5)						Red Parent Ma	
	Stripped Matrix (S6) Dark Surface (S7) (LR	R R. MLF	RA 149B)				☐ Very Shallow I☐ Other (Explain	Dark Surface (TF12) in Remarks)
		,	,				<u> </u>	,
	of Hydrophytic vegetat		vetland hydrology m	ust be present	t, unless dist	urbed or pro	oblematic.	
	e Layer (if observed):							
	e: :h (inches):						Hydric Soil Present?	Yes⊠ No □
Remarks:	(шспез)							
Cilians.								

WETLAND I	DETERMINATION DAT	ΓA FORM – Northc	entral and Northeas	t Region
Project/Site: <u>Hickory Hill Farms, Inc.</u> Applicant/Owner: Investigator(s): <u>Chris Jors, Dan Carter, a</u>	City/County:	: Village of Sussex/Wauke		Sampling Date: 5-16-2019 Sampling Point: 86
Landform (hillslope, terrace, etc.): slight h		Local relief (concave, con		Slope (%): <u>0-3%</u>
Subregion (LRR or MLRA): <u>LRR K</u>		Lat: Long: _		
Soil Map Unit Name: Lamartine silt loam		Vaa Man III		assification: None
Are climatic/hydrologic conditions on the s Are Vegetation, Soil, or Hydrol			(If no, explain in Remarks) mstances" present? Yes	☑ No □
Are Vegetation, Soil, or Hydrol			n any answers in Remarks.)	Z 140 🗀
SUMMARY OF FINDINGS – Atta			,	ant features, etc.
			· ·	,
]Yes ⊠ No	Is the Sampled Are within a Wetland?	a □ Yes	⊠No
_	Yes No	within a welland?	□ 162	MO
Wetland Hydrology Present?]Yes ⊠ No	If you optional Wotle	and Sita ID:	
Remarks: (Explain alternative procedure	es here or in a senarate report)	If yes, optional Wetla		
Remarks. (Explain alternative procedure	es here of in a separate report.)	30 day antecedent pre	olpitation is normal.	
HYDROLOGY Wetland Hydrology Indicators:			Secondary Indi	cators (minimum of two required)
Primary Indicators (minimum of one is re	aguired: check all that apply)		<u> </u>	
<u> </u>				oil Cracks (B6)
Surface Water (A1)	Water-Sta	ained Leaves (B9)	Drainage	Patterns (B10)
High Water Table (A2)	Aquatic F	auna (B13)		Lines (B16)
Saturation (A3)	Marl Dep	osits (B15)		on Water Table (C2)
Water marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	Hydroger	n Sulfide Odor (C1)	Crayfish B	urrows (C8)
Sediment Deposits (B2)	Oxidized	Rhizospheres on Living Ro	oots (C3) Saturation	Visible on Aerial Imagery (C9)
☐ Drift Deposits (B3)	Presence	e of Reduced Iron (C4)	☐ Stunted or	Stressed Plants (D1)
Algal Mat or Crust (B4)	☐ Recent Ir	on Reduction in Tilled Soil	s (C6) Geomorph	nic Position (D2)
Iron Deposits (B5)	Thin Muc	ck Surface (C7)	☐ Shallow A	quitard (D3)
Inundation Visible on Aerial Ir	magery (B7)	xplain in Remarks)	☐ Microtopo	graphic Relief (D4)
Sparsely Vegetated Concave	Surface (B8)		— FAC-Neut	ral Test (D5)
Field Observations:				,
Surface Water Present? Yes ☐	No Depth (inches):			
Water Table Present? Yes ⊠	No Depth (inches): 23			
Saturation Present? Yes ⊠	No Depth (inches): 15		Wetland Hydrology Preser	nt? Yes □ No ⊠
(includes capillary fringe)				
Describe Recorded Data (stream gauge		previous inspections), if a	vailable: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map
(Exhibit 3), and Aerial Photos (Exhibit 4)).			
D d No wetlend by drele sy in di	inatara abaamiad			
Remarks: No wetland hydrology indi	cators observed.			

<u>Tree Stratum</u> (Plot size: <u>30' radius</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1	76 COVEL		Status	Number of Dominant Species
				That are OBL, FACW, or FAC: <u>0</u> (A)
2				
3				Total Number of Dominant Species Across All Strata: 4 (B)
4				
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 0% (A/B)
6				
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cov	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1. Lonicera x bella	<u>9</u>	\boxtimes	<u>FACU</u>	FACW species x 2 =
2. Rosa multiflora	<u>3</u>	\boxtimes	<u>FACU</u>	FAC species x 3 =
3	-		· <u> </u>	FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A = Hydrophytic Vegetation Indicators:
7				Rapid Test for Hydrophytic Vegetation
	<u>12</u>	= Total Cov	er	☐ Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)				☐ Prevalence Index is ≤3.0¹
1. Poa pratensis	<u>40</u>	\boxtimes	<u>FACU</u>	☐ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
2. Solidago altissima	<u>20</u>	\boxtimes	<u>FACU</u>	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3. <u>Daucus carota</u>	<u>15</u>		<u>UPL</u>	
4. Ambrosia trifida	<u>5</u>		FAC	Indicators of hydric soil and wetland hydrology must Be present, unless disturbed or problematic.
	<u>5</u>		FACW	be present, unless disturbed of problematic.
5. Phalaris arundinacea	<u> </u>		IAOW	Definitions of Vegetation Strata:
6				
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub - Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>85</u>	= Total Cov	er	
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in height
1				neight
2				
2		_		
3		Ш		Hydrophytic
4				Vegetation Present? Yes □ No ☒
	<u>0</u>	= Total Cov	er	100 L 100 L
Remarks: (include photo number here or on a separate sheet.) Old field.			

Profile De	scription: (Describe t	o the dep	oth needed to docu	ıment the indi	icator or cor	nfirm the a	bsence of indicators.)		
Depth	Matrix			Redox Feat	ures		_		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
-9	10YR 2/1	100					Silt loam		
-12	10YR 4/1	75	10YR 3/6	25	C	PL M	Clay loam		
2-27	5Y 5/2	70	7.5YR 4/6	30	C	PL M	Silty clay loam		
		ī	-						
		-							
							-		
							-		
	· -	-	-						
Type: C=	Concentration, D=Dep	etion, RN	M=Reduced Matrix,	MS= Masked S	Sand Grains		² Location: PL=Pore I	 _ining, M=Matrix	
	il Indicators:	,	,				Indicators for Proble		
_	Histosol (A1)		☐ F	Polyvalue Belov		8) (LRR R ,		10) (LRR K, L, MLRA 149B	
	Histic Epipedon (A2) Black Histic (A3)			MLRA 149 Thin Dark Surfa	,	RR MIRA		Redox (A16) (LLR K, L, R) eat or Peat (S3) (LLR K, L,	
	Hydrogen Sulfide (A4)			oamy Mucky N				(S7) (LRR K, L)	, 11)
	Stratified Layers (A5)			oamy Gleyed		,		ow Surface (S8) (LRR K, L))
	Depleted Below Dark			Depleted Matri				face (S9) (LRR K, L)	>
	Thick Dark Surface (A Sandy Mucky Mineral			Redox Dark Su Depleted Dark S				se Masses (F12) (LRR K, L odplain Soils (F19) (MLRA 1	
	Sandy Macky Milleral Sandy Gleyed Matrix (Redox Depress				(TA6) (MLRA 144A, 145, 1	
	Sandy Redox (S5)	- ,	_		- (-)		☐ Red Parent Ma	aterial (F21)	- ,
	Stripped Matrix (S6)		3 4 4 4 9 B \					Dark Surface (TF12)	
Ш	Dark Surface (S7) (LR	R R, MLI	RA 149B)				Other (Explain	in Remarks)	
Indicators	of Hydrophytic vegeta	tion and v	vetland hydrology m	ust be present	t, unless dist	urbed or pr	oblematic.		
Restrictive	Layer (if observed)								
, ,	:						Hydric Soil Present?	Yes⊠ No □	
	h (inches):								
Remarks:									

WETLAND DETERMINATION DA	TA FORM – Northcentral and Northeast Region
Project/Site: Hickory Hill Farms - Mitigation Bank Area City/County	y: Village of Sussex/Waukesha County Sampling Date: 5-16-2019
Applicant/Owner:	State: <u>WI</u> Sampling Point: <u>87</u>
Investigator(s): Chris Jors, Dan Carter, and Shane Heyel: SEWRPC	Section, Township, Range: <u>SW Quarter, Section 21, T8N-R19E</u>
Landform (hillslope, terrace, etc.): toeslope near drainageway	Local relief (concave, convex, none): linear, concave Slope (%): 0-2%
Subregion (LRR or MLRA): <u>LRR K</u> Soil Map Unit Name: <u>Pella silt loam (Ph)</u>	Lat: Long: Datum: NWI classification: <u>F0Kf</u>
Are climatic/hydrologic conditions on the site typical for this time of year?	
Are Vegetation X , Soil , or Hydrology significantly disturbe	
Are Vegetation, Soil, or Hydrology naturally problemat	
SUMMARY OF FINDINGS – Attach site map showing s	sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? ☐ Yes ☐ No	Is the Sampled Area
Hydric Soils Present? ☐ No	within a Wetland? ⊠ Yes □No
Wetland Hydrology Present? ☐ Yes ☐ No	V
Demostra: (Evalois alternative areas dures have as in a conserte report	If yes, optional Wetland Site ID: <u>PCA 10</u>
toeslope above an eroded drainageway. The sample site has s	.) 90-day antecedent precipitation is normal. The sample site is situated on a
toestope above art eroded drainageway. The sample site has s	significantly disturbed vegetation due to farming.
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	☐ Surface Soil Cracks (B6)
☐ Surface Water (A1) ☐ Water-S	Stained Leaves (B9) Drainage Patterns (B10)
	Fauna (B13) Moss Trim Lines (B16)
	posits (B15) Dry-Season Water Table (C2)
☐ Water marks (B1) ☐ Hydroge	
	en Sulfide Odor (C1)
Sediment Deposits (B2) Oxidized	d Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9
Drift Deposits (B3) Presence	ce of Reduced Iron (C4) Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Iron Reduction in Tilled Soils (C6)
	ck Surface (C7) Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (E	Explain in Remarks)
☐ Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes 🗌 No 🛛 Depth (inches): _	
Water Table Present? Yes ⊠ No ☐ Depth (inches): 13	<u>3</u>
Saturation Present? Yes ⊠ No ☐ Depth (inches): 6	Wetland Hydrology Present? Yes ⊠ No □
(includes capillary fringe)	Tooland Tydrolegy Closent Too Za Tile Za
	, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Ma
(Exhibit 3), Aerial Photos (Exhibit 4), and NAIP/FSA Images (Exhibit 12	2).
· · · · · · · · · · · · · · · · · · ·	exhibited wetness signatures in 10 out of 10 (100%) images taken with normal
	ded drainageway with exposed gravel and cobbles, but geomorphic position,
	stem. Recent Iron Reduction in Tilled Soils (C6) indicator not checked since
timing and depth of last tillage could not be determined.	

0	1:	D = : = 4 -	07
Samp	IIna	Point:	87

Troe Stratum (Plot cize: 20' radius)	Absolute	Dominant	Indicator	Dominance Test w	vorkshoot:		
Tree Stratum (Plot size: 30' radius) 1	% Cover	Species? ☐	<u>Status</u>	Number of Dominant			
2				That are OBL, FACW		<u>1</u> (A)	
3	-					_ ` ,	
	-	_		Total Number of Dom Species Across All St		<u>3</u> (B)	
4				·		<u>=</u> (-)	
5				Percent of Dominant That Are OBL, FACW		33% (A/B)	
6						<u>0070</u> (712)	
7				Prevalence Index wo	orksneet:		
	<u>0</u>	= Total Cove	er	Total % Cover of	<u>f:</u>	Multiply by:	
Sapling/Shrub Stratum (Plot size: 30' radius)		_		OBL species	<u>0</u> x 1	= <u>0</u>	
1				FACW species	<u>0</u> x 2	= <u>0</u>	
2				FAC species	<u>1</u> x 3	= <u>3</u>	
3	-			FACU species	<u>2</u> x 4	= <u>8</u>	
4				UPL species	<u>0</u> x 5	= <u>0</u>	
5				Column Totals:	<u>3</u> (A	A) <u>11</u>	(B)
6					ice Index = E		
7				Hydrophytic Vegeta			
	<u>0</u>	= Total Cove	er	☐ Rapid Test for Hy☐ Dominance Test i		getation	
Herb Stratum (Plot size: 5' radius)				☐ Prevalence Index	is ≤3.0¹		
1. Medicago lupulina	<u>1</u>	\boxtimes	<u>FACU</u>	☐ Morphological Ad			ng
2. <u>Taraxacum officinale</u>	<u>1</u>		<u>FACU</u>	□ Droblematic Hyd		eparate sheet)	lain)
3. Veronica peregrina	<u>1</u>	\boxtimes	FAC	-			
		П		1 Indicators of hydric s			nust
4				Be present, unless dis	sturbed or pr	obiematic.	
5				Definitions of Veget	ation Strata	:	
6							
7				Tree – Woody plants at breast height (DBH			meter
8				at breast height (DBH	i), regardiess	s of fleight	
9	-			Sapling/shrub – Woo		ss than 3in. DB	Н
10				and greater than 3.28	3 ft (1 m) tall.		
11				Herb – All herbaceou	s (non-wood	y) plants, regar	dless
12				of size, and woody pla	ants less tha	n 3.28 ft tall.	
	<u>3</u>	= Total Cove	er	Woody vines – All w	oody vines a	reater than 3.2	8 ft in
Woody Vine Stratum (Plot size: 30' radius)				height	oody viiles g	roator triair 0.2	011111
1							
2							
3				Hydrophytic			
4				Vegetation			
	<u>0</u>	= Total Cove	er	Present? You	es 🖂 💮 1	No 🗌	
Remarks: (include photo number here or on a separate sheet.	.) The samp	le site is in a	sparsely veg	getated agricultural fi	eld (prior to	planting). It I	nas a
hydric soil and meets multiple wetland hydrology indicate	tors and wa	s therefore de	etermined to	be wetland with sign	nificantly dis	sturbed	
hydrophytic vegetation. Atypical (farmed) wetland.							

Profile Des	scription: (Describe to	the der	oth needed to doc	ument the indi	cator or co	nfirm the a	bsence of indicators.)	Sampling Point: 87
	Matrix			Redox Feat				
Depth (inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	— Texture	Remarks
0-6	2.5Y 3/2	90	10YR 3/6	10	C	PL M	Silt loam	
6-24	2.5Y 5/3	50	10YR 4/6	30		PL M	Very fine sandy loam	with decomposing dolomite
0 24	2.01 0/0		7.5YR 4/6	10		PL M	very line sarray loans	with decemposing deferring
	·		2.5Y 5/2	10		PL M	-	-
	·		2.51 3/2			1 L 101		-
	·					-		-
	·							-
	<u> </u>			<u> </u>				-
	<u> </u>			<u> </u>				-
	·		-				. —	•
	·		<u>-</u>			-		-
	- 		_			-		-
	·		<u> </u>					-
¹Type: C=	Concentration, D=Depl	etion RN	/=Reduced Matrix	MS= Masked S	Sand Grains		² Location: PL=Pore	Lining M=Matrix
	il Indicators:	J. 1 111	. Aladada Matrix,	o- Masked C	Oranio			ematic Hydric Soils ³ :
	Histosol (A1)			Polyvalue Belov		8) (LRR R ,	2 cm Muck (A	A10) (LRR K, L, MLRA 149B)
	Histic Epipedon (A2)		_	MLRA 149	,			Redox (A16) (LLR K, L, R)
	Black Histic (A3) Hydrogen Sulfide (A4)			Thin Dark Surfa Loamy Mucky N				Peat or Peat (S3) (LLR K, L, R) (S7) (LRR K, L)
	Stratified Layers (A5)			Loamy Gleyed I	, ,	(LKK K, L)		elow Surface (S8) (LRR K, L)
	Depleted Below Dark S	Surface (Depleted Matrix				irface (S9) (LRR K, L)
	Thick Dark Surface (A			Redox Dark Su				ese Masses (F12) (LRR K, L, R)
	Sandy Mucky Mineral (Depleted Dark				podplain Soils (F19) (MLRA 149B)
	Sandy Gleyed Matrix (Sandy Redox (S5)	54)		Redox Depress	ions (F8)		☐ Red Parent N	C (TA6) (MLRA 144A, 145, 149B) Material (F21)
	Stripped Matrix (S6)							Dark Surface (TF12)
	Dark Surface (S7) (LR	R R, MLF	RA 149B)					in in Remarks)
31 11 .								
	of Hydrophytic vegetate Layer (if observed):		vetland hydrology i	must be present	i, unless dist	urbed or pr	oblematic.	
	:						Hydric Soil Present	? Yes⊠ No □
	h (inches):						Tryunc 3011 resent	ii les 🛮 No 🗎
		at the r	nearby drainagev	vay channel, e	rosion and	loss of to	psoil is evident at the sar	mple site.
			, ,	,			'	•
ı								
i								

WETLAND	DETERMIN	ATION DATA	FORM – Northo	entral and N	Northeast R	egion
Project/Site: <u>Hickory Hill Farms - Mitigat</u> Applicant/Owner:			Village of Sussex/Wauke		;	Sampling Date: 5-16-2019 Sampling Point: 88
Investigator(s): <u>Chris Jors, Dan Carter, a</u>	and Shane Heve	el: SEWRPC S	ection, Township, Range		_	
Landform (hillslope, terrace, etc.): hillslo			ocal relief (concave, con			Slope (%): <u>0-2%</u>
Subregion (LRR or MLRA): LRR K		La	at: Long: _	Datu	um:	
Soil Map Unit Name: Pella silt loam (Ph) Are climatic/hydrologic conditions on the		nis time of year?	Yes⊠ No □	(If no, explain		fication: None
Are Vegetation, Soil, or Hydro					·	No 🗆
Are Vegetation, Soil, or Hydro						
SUMMARY OF FINDINGS – Att	ach site ma	p showing san	npling point locati	ons, transect	ts, important	features, etc.
		7.1	In the Complet Are			
		⊠No ⊴No	Is the Sampled Are within a Wetland?	a	☐ Yes	⊠No
_		⊠No				
			If yes, optional Wetla	and Site ID:	_	
Remarks: (Explain alternative procedu	res here or in a	separate report.) 9	00-day antecedent pre	ecipitation is no	rmal.	
HYDROLOGY						
Wetland Hydrology Indicators:				<u>Se</u>	condary Indicate	rs (minimum of two required)
Primary Indicators (minimum of one is r	required; check a	all that apply)			Surface Soil C	cracks (B6)
☐ Surface Water (A1)		☐ Water-Stain	ned Leaves (B9)		Drainage Patt	erns (B10)
High Water Table (A2)		Aquatic Fau	una (B13)		Moss Trim Lin	es (B16)
Saturation (A3)		☐ Marl Depos	sits (B15)		- Dry-Season W	/ater Table (C2)
☐ Water marks (B1)☐ Sediment Deposits (B2)☐ Drift Deposits (B3)		☐ Hydrogen S	Sulfide Odor (C1)		 Crayfish Burro 	ows (C8)
Sediment Deposits (B2)		Oxidized Rh	hizospheres on Living R	oots (C3)	 Saturation Vis 	ible on Aerial Imagery (C9)
Drift Deposits (B3)			f Reduced Iron (C4)			essed Plants (D1)
Algal Mat or Crust (B4)			Reduction in Tilled Soil		– Geomorphic F	Position (D2)
☐ Iron Deposits (B5)			Surface (C7)		Shallow Aquita	ard (D3)
Inundation Visible on Aerial	Imagery (B7)		ain in Remarks)		 Microtopograp 	phic Relief (D4)
Sparsely Vegetated Concave	e Surface (B8)				FAC-Neutral 7	est (D5)
Field Observations:						, ,
Surface Water Present? Yes ☐	No 🛛 De	pth (inches):	_			
Water Table Present? Yes ☐	No 🛛 De	pth (inches):	_			
Saturation Present? Yes ⊠	No 🗌 De	pth (inches): 15		Wetland Hydro	ology Present?	Yes ☐ No ⊠
(includes capillary fringe)						
Describe Recorded Data (stream gauge	_	ell, aerial photos, pr	evious inspections), if a	vailable: Topo M	ap (Exhibit 1), W	WI Map (Exhibit 2), Soils Map
(Exhibit 3), and Aerial Photos (Exhibit 4	')).					
Remarks: No wetland hydrology inc	dicators observ	red.				
, 6,						

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1	76 COVEL		Status	Number of Dominant Species
2				That are OBL, FACW, or FAC: 1 (A)
3				Total Number of Dominant Species Across All Strata: <u>3</u> (B)
4				
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 33% (A/B)
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				
5				
				Column Totals: (A) (B)
6				Prevalence Index = B/A = Hydrophytic Vegetation Indicators:
7				Rapid Test for Hydrophytic Vegetation
	<u>0</u>	= Total Cove	r	☐ Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)				☐ Prevalence Index is ≤3.0¹
1. Medicago lupulina	<u>1</u>	\boxtimes	<u>FACU</u>	☐ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
2. Poa pratensis	<u>1</u>	\boxtimes	<u>FACU</u>	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3. <u>Veronica peregrina</u>	<u>1</u>	\boxtimes	FAC	
4				Indicators of hydric soil and wetland hydrology must Be present, unless disturbed or problematic.
5				be present, unless disturbed of problematic.
				Definitions of Vegetation Strata:
6				_
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height
8				at breast neight (DBH), regardless of height
9				Sapling/shrub - Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>3</u>	= Total Cove	r	
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in height
1				g.n
2		П		
2				
J				Hydrophytic Vegetation
4				Present? Yes □ No ☒
Remarks: (include photo number here or on a separate sheet	<u>0</u>	= Total Cove	er	
Remarks. (include prioto number nere of on a separate sneet	.) Agricultur	ai ileiu.		

SAMPLING Point: 88

D		J the dep	orn needed to d			ntirm the a	bsence of indicators.)	
Depth	Matrix				Features		_	
inches)	Color (moist)	%	Color (moi	st) %	Type ¹	Loc ²	Texture	Remarks
12	10YR 2/1						Silty clay loam	
2-18	5Y 4/2	50	7.5YR 3/4	50		PL M	Clay loam	
3-21	10YR 5/3	50	10YR 4/6	50	C	PL M	Sandy loam	with dolomite
+								Refusal: Glacial till/dolomite
								_
								_
								_
								_
								_
								_
								_
	Concentration, D=Depl	etion, RM	I=Reduced Mati	rix, MS= Mask	ed Sand Grains		² Location: PL=Pore	
	il Indicators: Histosol (A1)		Г	1 Polyvalue F	Below Surface (S	8) (I RR R		lematic Hydric Soils ³ : A10) (LRR K, L, MLRA 149B)
_	Histic Epipedon (A2)		_	MLRA	,	o, (= ::::::::		e Redox (A16) (LLR K, L, R)
	Black Histic (A3)				Surface (S9) (LR		149B)	Peat or Peat (S3) (LLR K, L, R)
	Hydrogen Sulfide (A4)				cky Mineral (F1)	LRR K, L)		e (S7) (LRR K, L)
	Stratified Layers (A5)		\44\		yed Matrix (F2)			elow Surface (S8) (LRR K, L)
	Depleted Below Dark S Thick Dark Surface (A ²		\11) <u> </u>		latrix (F3) k Surface (F6)			urface (S9) (LRR K, L) nese Masses (F12) (LRR K, L, F
	Sandy Mucky Mineral (ark Surface (F7)			oodplain Soils (F19) (MLRA 149
	Sandy Gleyed Matrix (ressions (F8)			c (TA6) (MLRA 144A, 145, 149
	Sandy Redox (S5)	·		•	, ,		☐ Red Parent I	Material (F21)
	Stripped Matrix (S6)							v Dark Surface (TF12)
□ [Dark Surface (S7) (LR	R R, MLF	RA 149B)				☐ Other (Expla	iin in Remarks)
			votland bydrolog	ny must he nre	sent, unless dist	urbed or pr	oblematic.	
dicators (of Hydrophytic vegetat	ion and v			ociit, ariicoo aiot	arbed or pr	obiematie.	
	of Hydrophytic vegetate Layer (if observed):		velianu nyurolog	gy mast be pre				
strictive	of Hydrophytic vegetate Layer (if observed): Glacial/till/dolomite		venana nyarolog	gy mast be pre			Hydric Soil Presen	t? Yes ☐ No ☒
estrictive Type:	Layer (if observed):		veliana nyarolog	gy must be pre			Hydric Soil Presen	t? Yes ☐ No ⊠
strictive Type: Depth	Layer (if observed): : Glacial/till/dolomite		-	gy must be pre			Hydric Soil Presen	t? Yes ☐ No ⊠
strictive Type: Depth	E Layer (if observed): : Glacial/till/dolomite h (inches): 21		-	gy must be pre			Hydric Soil Presen	t? Yes ☐ No ⊠
strictive Type: Depth	E Layer (if observed): : Glacial/till/dolomite h (inches): 21		-	y must be pre			Hydric Soil Presen	t? Yes ☐ No ⊠
strictive Type: Depth	E Layer (if observed): : Glacial/till/dolomite h (inches): 21		-	y must be pre			Hydric Soil Presen	t? Yes ☐ No ⊠
strictive Type: Depth	E Layer (if observed): : Glacial/till/dolomite h (inches): 21		-	y must be pre			Hydric Soil Presen	t? Yes □ No ⊠
strictive Type: Depth	E Layer (if observed): : Glacial/till/dolomite h (inches): 21		-	yy must be pre			Hydric Soil Presen	t? Yes □ No ⊠
strictive Type: Depth	E Layer (if observed): : Glacial/till/dolomite h (inches): 21		-	yy must be pre			Hydric Soil Presen	t? Yes □ No ⊠
strictive Type: Depth	E Layer (if observed): : Glacial/till/dolomite h (inches): 21		-	y must be pre			Hydric Soil Presen	t? Yes □ No ⊠
strictive Type: Depth	E Layer (if observed): : Glacial/till/dolomite h (inches): 21		-	y must be pre			Hydric Soil Presen	t? Yes □ No ⊠
strictive Type: Depth	E Layer (if observed): : Glacial/till/dolomite h (inches): 21		-	y must be pre			Hydric Soil Presen	t? Yes □ No ⊠
strictive Type: Depth	E Layer (if observed): : Glacial/till/dolomite h (inches): 21		-	yy must be pre			Hydric Soil Presen	t? Yes □ No ⊠
strictive Type: Depth	E Layer (if observed): : Glacial/till/dolomite h (inches): 21		-	yy must be pre			Hydric Soil Presen	t? Yes □ No ⊠
strictive Type: Depth	E Layer (if observed): : Glacial/till/dolomite h (inches): 21		-	yy must be pre			Hydric Soil Presen	t? Yes □ No ⊠
strictive Type: Depth	E Layer (if observed): : Glacial/till/dolomite h (inches): 21		-	y must be pre			Hydric Soil Presen	t? Yes ☐ No ☒
estrictive Type: Depth	E Layer (if observed): : Glacial/till/dolomite h (inches): 21		-	yy must be pre			Hydric Soil Presen	t? Yes ☐ No ☒
estrictive Type: Depth	E Layer (if observed): : Glacial/till/dolomite h (inches): 21		-	yy must be pre			Hydric Soil Presen	t? Yes ☐ No ☒
estrictive Type: Depth	E Layer (if observed): : Glacial/till/dolomite h (inches): 21		-	yy must be pre			Hydric Soil Presen	t? Yes ☐ No ☒
estrictive Type: Depth	E Layer (if observed): : Glacial/till/dolomite h (inches): 21		-	yy must be pre			Hydric Soil Present	t? Yes ☐ No ☒
estrictive Type: Depth	E Layer (if observed): : Glacial/till/dolomite h (inches): 21		-	yy must be pre			Hydric Soil Present	t? Yes ☐ No ☒
strictive Type: Depth	E Layer (if observed): : Glacial/till/dolomite h (inches): 21		-	y must be pre			Hydric Soil Present	t? Yes ☐ No ☒
strictive Type: Depth	E Layer (if observed): : Glacial/till/dolomite h (inches): 21		-	y must be pre			Hydric Soil Present	t? Yes ☐ No ☒

WETLAND DETERMI	NATION DATA I	FORM - Northce	entral and Northe	ast Region
Project/Site: <u>Hickory Hill Farms - Mitigation Bank Area</u> Applicant/Owner:		lage of Sussex/Waukes		Sampling Date: <u>5-16-2019</u> Sampling Point: <u>89</u>
Investigator(s): Chris Jors, Dan Carter, and Shane Hey	vel: SEWRPC Sec	ction, Township, Range:	: NW Quarter, Section 28	
Landform (hillslope, terrace, etc.): slight hillslope		al relief (concave, conv		Slope (%): <u>0-2%</u>
Subregion (LRR or MLRA): <u>LRR K</u>	Lat:	Long:		_
Soil Map Unit Name: Pella silt loam (Ph)	this time of come	V 7 N- 7		/I classification: F0Kf
Are Vegetation Soil or Hydrology side		Yes ⊠ No □	If no, explain in Remarl nstances" present? Ye	<u></u>
Are Vegetation, Soil, or Hydrology signal Are Vegetation, Soil, or Hydrology na			any answers in Remarks	
SUMMARY OF FINDINGS – Attach site ma				
			, , ,	,
Hydrophytic Vegetation Present?	⊠No	Is the Sampled Area		
Hydric Soils Present? ☐ Yes	□No	within a Wetland?	☐ Yes	⊠No
Wetland Hydrology Present?	⊠No	If a see a see Consel NA/ of low	- 1 O't - 1D	
Demontrary (Fundain alternative present reachers or in	a accorate report \ 00	If yes, optional Wetlar		
Remarks: (Explain alternative procedures here or in a	a separate report.) 90-	-day antecedent prec	apitation is normal.	
HYDROLOGY			O considerable	Protection (with the state of t
Wetland Hydrology Indicators:			Secondary I	ndicators (minimum of two required)
Primary Indicators (minimum of one is required; check	call that apply)		☐ Surface	e Soil Cracks (B6)
Surface Water (A1)	☐ Water-Stained	d Leaves (B9)	Draina	ge Patterns (B10)
☐ High Water Table (A2)	☐ Aquatic Fauna	a (B13)	☐ Moss 7	rim Lines (B16)
Saturation (A3)	☐ Marl Deposits	s (B15)	☐ Dry-Se	ason Water Table (C2)
☐ Water marks (B1)☐ Sediment Deposits (B2)☐ Drift Deposits (B3)	Hydrogen Sul	lfide Odor (C1)	Crayfis	h Burrows (C8)
Sediment Deposits (B2)		zospheres on Living Ro		tion Visible on Aerial Imagery (C9)
Drift Deposits (B3)		Reduced Iron (C4)		d or Stressed Plants (D1)
Algal Mat or Crust (B4)		Reduction in Tilled Soils		orphic Position (D2)
Iron Deposits (B5)	☐ Thin Muck Su			w Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)		n in Remarks)		ppographic Relief (D4)
		ii iii Keillaiks)		
☐ Sparsely Vegetated Concave Surface (B8) Field Observations:			☐ FAC-N	eutral Test (D5)
	epth (inches):			
	Pepth (inches):			
	Depth (inches): 18		W-d Historia	10 V D N- D
(includes capillary fringe)	reptir (irieries). <u>10</u>		Wetland Hydrology Pre	sent? Yes No 🛚
Describe Recorded Data (stream gauge, monitoring w	vell, aerial photos, prev	rious inspections), if ava	ailable: Topo Map (Exhib	it 1), WWI Map (Exhibit 2), Soils Map
(Exhibit 3), and Aerial Photos (Exhibit 4).				
Remarks: No wetland hydrology indicators observed	rved.			

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1	76 COVEL		Status	Number of Dominant Species
2				That are OBL, FACW, or FAC: 1 (A)
3				Total Number of Dominant Species Across All Strata: 2 (B)
4				
5				Percent of Dominant Species That Are ORL FACIAL or FAC: FOO((A/R))
6				That Are OBL, FACW, or FAC: 50% (A/B)
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
r	<u>0</u>	= Total Cove		☐ Rapid Test for Hydrophytic Vegetation
Llowb Ctratum (Plat size, El radius)	<u>u</u>	= Total Cove	;I	☐ Dominance Test is >50% ☐ Prevalence Index is ≤3.0¹
Herb Stratum (Plot size: 5' radius)	<u>25</u>		FACU	☐ Morphological Adaptations¹ (Provide supporting
1. <u>Stellaria media</u>				data in Remarks or on a separate sheet)
2. <u>Veronica peregrina</u>	<u>20</u>		<u>FAC</u>	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3. Erigeron canadensis	<u>2</u>		<u>FACU</u>	¹ Indicators of hydric soil and wetland hydrology must
4. Chenopodium album	<u>1</u>		<u>FACU</u>	Be present, unless disturbed or problematic.
5. Poa pratensis	<u>1</u>		<u>FACU</u>	
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				
12				Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
	49	= Total Cove		of size, and woody plants loss than 5.25 it tall.
Woody Vine Stratum (Plot aire: 20' radius)	<u></u>	- Total Cove	71	Woody vines – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30' radius)		П		height
1				
2		Ш		
3		Щ		Hydrophytic
4			—	Vegetation Present? Yes □ No ☒
	<u>0</u>	= Total Cove	er	Tresent: 103
Remarks: (include photo number here or on a separate sheet	.) Agricultura	al field.		

nches) Color (moist) % Color (moist) % Type¹ Loc² Texture Remarks 16 10YR 2/1 100 Silt loam Silt loam	rofile Des	scription: (Describe t	to the dep	th needed to docu	ment the indi	cator or cor	firm the a	bsence of indicators.)	Sampling Point: 89
Color (moist) % Color (moist) % Type¹ Loc² Texture Remarks	Depth	Matrix			Redox Featu	ıres		_	
ype: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains Variable Variabl	inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
ype: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains Cocation: PL=Pore Lining, M=Matrix Indicators: Indicators for Problematic Hydric Soils*: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MRA 1498 Coast Prairie Redox (A16) (LLR K, L, R) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) S cm Mucky Peat or Peat (S3) (LLR K, L Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR K, L) Dark Surface (S7) (LRR K, L) Depleted Below Dark Surface (A12) Redox Dark Surface (F6) Iron-Manganese Masses (F12) (LRR K, L) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Piedmont Floodplain Soils (F19) (MLRA 1495, 1 Redox Dark Surface (S7) (LRR R, MLRA 1498) Redox Dark Surface (S7) (LRR K, L) Piedmont Floodplain Soils (F19) (MLRA 144A, 145, 1 Redox Dark Surface (S7) (LRR R, MLRA 1498) Redox Dark Surface (S7) (LRR	16	10YR 2/1	100					Silt loam	
Indicators: Histosol (A1)	-24	2.5Y 4/2	92	10YR 4/6	8	С	PL M	Clay loam	
Histosol (A1)									
Histosol (A1)		·							
Histosol (A1)									
Histosol (A1)									
Histosol (A1)		·							
Histosol (A1)		·							
Histosol (A1)									
Histosol (A1)		·							
Histosol (A1)		·							
Histosol (A1)									
Histosol (A1)									
☐ Histosol (A1) ☐ Polyvalue Below Surface (S8) (LRR R, Instite Epipedon (A2) ☐ MLRA 149B) ☐ Coast Prairie Redox (A16) (LLR K, L, R) ☐ Black Histic (A3) ☐ Thin Dark Surface (S9) (LRR R, MLRA 149B) ☐ 5 cm Mucky Peat or Peat (S3) (LLR K, L) ☐ Hydrogen Sulfide (A4) ☐ Loamy Mucky Mineral (F1) (LRR K, L) ☐ Dark Surface (S7) (LRR K, L) ☐ Stratified Layers (A5) ☐ Loamy Gleyed Matrix (F2) ☐ Polyvalue Below Surface (S8) (LRR K, L) ☐ Depleted Below Dark Surface (A11) ☐ Depleted Matrix (F3) ☐ Thin Dark Surface (S9) (LRR K, L) ☐ Thick Dark Surface (A12) ☐ Redox Dark Surface (F6) ☐ Iron-Manganese Masses (F12) (LRR K, L) ☐ Sandy Mucky Mineral (S1) ☐ Depleted Dark Surface (F7) ☐ Piedmont Floodplain Soils (F19) (MLRA 144A, 145, 1) ☐ Sandy Redox (S5) ☐ Redox Depressions (F8) ☐ Mesic Spodic (TA6) (MLRA 144A, 145, 1) ☐ Sandy Redox (S6) ☐ Very Shallow Dark Surface (TF12) ☐ Dark Surface (S7) (LRR R, MLRA 149B) ☐ Other (Explain in Remarks) dicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. strictive Layer (if observed): Type:	-		letion, RM	I=Reduced Matrix, N	IS= Masked S	and Grains			
☐ Histic Epipedon (A2) MLRA 149B) ☐ Coast Prairie Redox (A16) (LLR K, L, R) ☐ Black Histic (A3) ☐ Thin Dark Surface (S9) (LRR R, MLRA 149B) ☐ 5 cm Mucky Peat or Peat (S3) (LLR K, L) ☐ Hydrogen Sulfide (A4) ☐ Loamy Mucky Mineral (F1) (LRR K, L) ☐ Dark Surface (S7) (LRR K, L) ☐ Stratified Layers (A5) ☐ Loamy Gleyed Matrix (F2) ☐ Polyvalue Below Surface (S8) (LRR K, L) ☐ Depleted Below Dark Surface (A11) ☐ Depleted Matrix (F3) ☐ Thin Dark Surface (S9) (LRR K, L) ☐ Thick Dark Surface (A12) ☐ Redox Dark Surface (F6) ☐ Iron-Manganese Masses (F12) (LRR K, L) ☐ Sandy Mucky Mineral (S1) ☐ Depleted Dark Surface (F7) ☐ Piedmont Floodplain Soils (F19) (MLRA 144A, 145, 1) ☐ Sandy Redox (S5) ☐ Redox Depressions (F8) ☐ Mesic Spodic (TA6) (MLRA 144A, 145, 1) ☐ Sandy Redox (S5) ☐ Very Shallow Dark Surface (TF12) ☐ Dark Surface (S7) (LRR R, MLRA 149B) ☐ Other (Explain in Remarks) dicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. strictive Layer (if observed): Type:				Пь	olwalue Relov	v Surface (S	R) (RP P		
□ Black Histic (A3) □ Thin Dark Surface (S9) (LRR R, MLRA 149B) □ 5 cm Mucky Peat or Peat (S3) (LLR K, L) □ Hydrogen Sulfide (A4) □ Loamy Mucky Mineral (F1) (LRR K, L) □ Dark Surface (S7) (LRR K, L) □ Stratified Layers (A5) □ Loamy Gleyed Matrix (F2) □ Polyvalue Below Surface (S8) (LRR K, L) □ Depleted Below Dark Surface (A11) □ Depleted Matrix (F3) □ Thin Dark Surface (S9) (LRR K, L) □ Thick Dark Surface (A12) □ Redox Dark Surface (F6) □ Iron-Manganese Masses (F12) (LRR K, I □ Sandy Mucky Mineral (S1) □ Depleted Dark Surface (F7) □ Piedmont Floodplain Soils (F19) (MLRA 144A, 145, 1 □ Sandy Redox (S5) □ Redox Depressions (F8) □ Mesic Spodic (TA6) (MLRA 144A, 145, 1 □ Sandy Redox (S5) □ Red Parent Material (F21) □ Very Shallow Dark Surface (TF12) □ Dark Surface (S7) (LRR R, MLRA 149B) □ Other (Explain in Remarks) dicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. estrictive Layer (if observed): Type: □ □ Depth (inches): □ Hydric Soil Present? Yes ☑ No □		, ,		L '			o) (LIXIX IX,		
□ Stratified Layers (A5) □ Loamy Gleyed Matrix (F2) □ Polyvalue Below Surface (S8) (LRR K, L) □ Depleted Below Dark Surface (A11) □ Depleted Matrix (F3) □ Thin Dark Surface (S9) (LRR K, L) □ Thick Dark Surface (A12) □ Redox Dark Surface (F6) □ Iron-Manganese Masses (F12) (LRR K, I □ Sandy Mucky Mineral (S1) □ Depleted Dark Surface (F7) □ Piedmont Floodplain Soils (F19) (MLRA 190) □ Sandy Gleyed Matrix (S4) □ Redox Depressions (F8) □ Mesic Spodic (TA6) (MLRA 144A, 145, 1 □ Sandy Redox (S5) □ Red Parent Material (F21) □ Very Shallow Dark Surface (TF12) □ Dark Surface (S7) (LRR R, MLRA 149B) □ Other (Explain in Remarks) dicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. strictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes ☑ No □									
□ Depleted Below Dark Surface (A11) □ Depleted Matrix (F3) □ Thin Dark Surface (S9) (LRR K, L) □ Thick Dark Surface (A12) □ Redox Dark Surface (F6) □ Iron-Manganese Masses (F12) (LRR K, L) □ Sandy Mucky Mineral (S1) □ Depleted Dark Surface (F7) □ Piedmont Floodplain Soils (F19) (MLRA 144A, 145, 1) □ Sandy Gleyed Matrix (S4) □ Redox Depressions (F8) □ Mesic Spodic (TA6) (MLRA 144A, 145, 1) □ Sandy Redox (S5) □ Red Parent Material (F21) □ Very Shallow Dark Surface (TF12) □ Dark Surface (S7) (LRR R, MLRA 149B) □ Other (Explain in Remarks) dicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Intercritical Explain in Remarks Soil Present? Yes □ No □ Depth (inches): □ De)			, , ,	LRR K, L)		
☑ Thick Dark Surface (A12) ☐ Redox Dark Surface (F6) ☐ Iron-Manganese Masses (F12) (LRR K, I Piedmont Floodplain Soils (F19) (MLRA 1946, 1994) ☐ Sandy Mucky Mineral (S1) ☐ Depleted Dark Surface (F7) ☐ Piedmont Floodplain Soils (F19) (MLRA 1946, 1994) ☐ Sandy Gleyed Matrix (S4) ☐ Redox Depressions (F8) ☐ Mesic Spodic (TA6) (MLRA 144A, 145, 1994) ☐ Sandy Redox (S5) ☐ Red Parent Material (F21) ☐ Very Shallow Dark Surface (TF12) ☐ Dark Surface (S7) (LRR R, MLRA 149B) ☐ Other (Explain in Remarks) dicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Strictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes ☑ No ☐			Surface (/						
Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Piedmont Floodplain Soils (F19) (MLRA Sandy Gleyed Matrix (S4) Redox Depressions (F8) Mesic Spodic (TA6) (MLRA 144A, 145, 1 Sandy Redox (S5) Red Parent Material (F21) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) dicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. strictive Layer (if observed): Type: Depth (inches):									
□ Sandy Redox (S5) □ Red Parent Material (F21) □ Stripped Matrix (S6) □ Very Shallow Dark Surface (TF12) □ Dark Surface (S7) (LRR R, MLRA 149B) □ Other (Explain in Remarks) dicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. estrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes ☑ No □									
☐ Stripped Matrix (S6) ☐ Very Shallow Dark Surface (TF12) ☐ Dark Surface (S7) (LRR R, MLRA 149B) ☐ Other (Explain in Remarks) dicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. estrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes ☑ No ☐			(S4)	□R	edox Depressi	ions (F8)			
□ Dark Surface (S7) (LRR R, MLRA 149B) □ Other (Explain in Remarks) dicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. estrictive Layer (if observed): Type: Depth (inches):									
dicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. **strictive Layer (if observed): Type: Depth (inches):			RR R. MLF	RA 149B)					
Strictive Layer (if observed): Type: Hydric Soil Present? Yes 🗵 No 🗌 Depth (inches):	_		,	- ,					,
Type: Hydric Soil Present? Yes ⊠ No ☐ Depth (inches):		, , , ,		etland hydrology m	ust be present	, unless distu	irbed or pro	oblematic.	
Depth (inches):):						
								Hydric Soil Present?	Yes ⊠ No □
		II (IIICHES)							
	marks.								

WETLAND DETERMINATION DA	TA FORM - Northce	entral and Northeast	Region
Project/Site: Hickory Hill Farms - Mitigation Bank Area City/County	y: Village of Sussex/Waukesl	ha County	Sampling Date: <u>5-16-2019</u>
Applicant/Owner:		State: WI	Sampling Point: 90
Investigator(s): Chris Jors, Dan Carter, and Shane Heyel: SEWRPC		NW Quarter, Section 28, T8N	
Landform (hillslope, terrace, etc.): <u>broad swale</u>	Local relief (concave, conve	· -	Slope (%): <u>0-2%</u>
Subregion (LRR or MLRA): <u>LRR K</u> Soil Map Unit Name: <u>Pella silt loam (Ph)</u>	Lat: Long:		sification: F0Kf
Are climatic/hydrologic conditions on the site typical for this time of year?	? Yes⊠ No □	(If no, explain in Remarks)	Silication. I ord
Are Vegetation, Soil, or Hydrology significantly disturb		nstances" present? Yes	No 🗆
Are Vegetation, Soil, or Hydrology naturally problemat		any answers in Remarks.)	
SUMMARY OF FINDINGS – Attach site map showing s	sampling point location	ns. transects. importar	nt features, etc.
3	J		
Hydrophytic Vegetation Present? ☐Yes ☐No	Is the Sampled Area		
Hydric Soils Present?	within a Wetland?	⊠ Yes	□No
Wetland Hydrology Present?			
	If yes, optional Wetlan		
Remarks: (Explain alternative procedures here or in a separate report.	.) 90-day antecedent prec	ipitation is normal.	
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary Indica	tors (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)		☐ Surface Soil	Cracks (B6)
☐ Surface Water (A1) ☐ Water-S	stained Leaves (B9)	☐ Drainage Pa	, ,
	` '		
	Fauna (B13)	Moss Trim Li	, ,
Saturation (A3)	posits (B15)		Water Table (C2)
☐ Water marks (B1) ☐ Hydroge	en Sulfide Odor (C1)	Crayfish Bur	rows (C8)
Sediment Deposits (B2) Oxidized	d Rhizospheres on Living Roo		/isible on Aerial Imagery (C9)
☐ Drift Deposits (B3) ☐ Presence	e of Reduced Iron (C4)	Stunted or S	tressed Plants (D1)
□ Water marks (B1) □ Hydroge □ Sediment Deposits (B2) □ Oxidized □ Drift Deposits (B3) □ Presend □ Algal Mat or Crust (B4) □ Recent	Iron Reduction in Tilled Soils	(C6) Geomorphic	Position (D2)
	ck Surface (C7)	☐ Shallow Aqu	itard (D3)
	Explain in Remarks)	☐ Microtopogra	aphic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	,	FAC-Neutral	Test (D5)
Field Observations:			1001 (00)
Surface Water Present? Yes ☐ No ☒ Depth (inches):			
Water Table Present? Yes ⊠ No ☐ Depth (inches): 22	2		
Saturation Present? Yes No Depth (inches): 1:		W 4 111 1 1 5 4	
(includes capillary fringe)	<u>'</u>	Wetland Hydrology Present?	P Yes⊠ No □
Describe Recorded Data (stream gauge, monitoring well, aerial photos	previous inspections), if ava	ailable: Topo Map (Exhibit 1), \	WWI Map (Exhibit 2), Soils Map
(Exhibit 3), Aerial Photos (Exhibit 4), and NAIP/FSA Images (Exhibit 12		, , , , , , , , , , , , , , , , , , , ,	
Remarks: NAIP/FSA image review found the sample site area	exhibited wetness signatur	res in 10 out of 10 (100%) in	mages taken with normal
antecedent precipitation. The sample site is in a broad swale, b	out geomorphic position, in	ndicator D2, is not checked	due the presence of a drain
tile system.			

<u>Tree Stratum</u> (Plot size: <u>30' radius</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1	76 COVEL		Status	Number of Dominant Species
2				That are OBL, FACW, or FAC: 1 (A)
3				Total Number of Dominant Species Across All Strata: 1 (B)
4				Opecies Across Air Strata.
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 100% (A/B)
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation
	<u>0</u>	= Total Cove	er	☐ Napid Test to Trydrophydic Vegetation ☐ Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)				☐ Prevalence Index is ≤3.0¹
1. <u>Veronica peregrina</u>	<u>9</u>	\boxtimes	FAC	☐ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
2. Poa pratensis	<u>1</u>		<u>FACU</u>	Problematic Hydrophytic Vegetation¹ (Explain)
3				
		П		¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5				Definitions of Vegetation Strata:
6				Definitions of Vegetation Strata.
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11.				
12	·			Herb – All herbaceous (non-woody) plants, regardless
12	<u>10</u>	= Total Cove		of size, and woody plants less than 3.28 ft tall.
	<u>10</u>	= Total Cove) I	Woody vines – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30' radius)				height
1				
2				
3				Hydrophytic
4				Vegetation
	<u>0</u>	= Total Cove	er	Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet.	.) Atypical (f	farmed) wetlar	nd.	

Profile De	scription: (Describe to	the dep	th needed to	docum	ent the ind	icator or cor	firm the a	bsenc	e of indicators.)		
Depth	Matrix				Redox Feat	tures					
(inches)	Color (moist)	%	Color (mo	oist)	%	Type ¹	Loc ²	_	Texture	Re	marks
0-12	10YR 2/1	100						Silt lo	oam		
12-24	5Y 5/1	93	10YR 5/6		7	С	PL M	Silty	clay loam		
	·										
	·										
			-								
					·						
	Concentration, D=Deple	etion, RM	I=Reduced Ma	atrix, MS	S= Masked S	Sand Grains			² Location: PL=Pore Lin		
-	il Indicators:					0(0) (1 55 5		Indicators for Problem		
_	Histosol (A1) Histic Epipedon (A2)		l	∐ Pol	yvalue Belo MLRA 149	w Surface (S	8) (LRR R,		☐ 2 cm Muck (A10)☐ Coast Prairie Re		,
	Black Histic (A3)		1	□ Thi		ace (S9) (LRI	R R. MLRA	149B			
	Hydrogen Sulfide (A4)		j			Mineral (F1) (☐ Dark Surface (S		
	Stratified Layers (A5)		_		amy Gleyed				Polyvalue Below		
	Depleted Below Dark		· · · · · · · · · · · · · · · · · · ·		pleted Matrix				☐ Thin Dark Surfac		
	Thick Dark Surface (A1 Sandy Mucky Mineral (dox Dark Su pleted Dark	Surface (F6)			☐ Iron-Manganese☐ Piedmont Floodp		
	Sandy Gleyed Matrix (S				dox Depress				☐ Mesic Spodic (T		
	Sandy Redox (S5)								☐ Red Parent Mate		
	Stripped Matrix (S6)	D D MI F	A 440D)						☐ Very Shallow Da☐ Other (Explain in		F12)
Ш	Dark Surface (S7) (LRI	X K, WILI	(A 149D)							i Kemarks)	
3Indicators	of Hydrophytic vegetati	ion and v	vetland hydrolo	ogy mus	st be presen	t, unless distu	urbed or pro	blema	atic.		
Restrictive	e Layer (if observed):										
, ,):								Hydric Soil Present?	Yes 🛚	No 🗌
	h (inches):										
Remarks:											

WETLAND DETERMINATION	ON DATA FORM – Northc	entral and Northeast R	egion
	ity/County: Village of Sussex/Wauke		Sampling Date: <u>5-16-2019</u>
Applicant/Owner:			Sampling Point: 91
Investigator(s): <u>Chris Jors, Dan Carter, and Shane Heyel: SEW</u> Landform (hillslope, terrace, etc.): broad swale		e: NW Quarter, Section 28, T8N-lyex, none): linear concave	R <u>19E</u> Slope (%): <u>0-2%</u>
Subregion (LRR or MLRA): <u>LRR K</u>	Lat: Long: _	· -	Slope (70). <u>0-270</u>
Soil Map Unit Name: Pella silt loam (Ph)			fication: F0Kf
Are climatic/hydrologic conditions on the site typical for this time		(If no, explain in Remarks)	🗖
Are Vegetation, Soil, or Hydrology significant Are Vegetation, Soil, or Hydrology naturally p		mstances" present? Yes 🛛 n any answers in Remarks.)	No 🗌
			factures at-
SUMMARY OF FINDINGS – Attach site map sho	wing sampling point location	ons, transects, important	reatures, etc.
Hydrophytic Vegetation Present? ☐Yes ☐No	Is the Sampled Are	а	
Hydric Soils Present?	within a Wetland?	⊠ Yes	□No
Wetland Hydrology Present? ☐Yes ☐No			
	If yes, optional Wetla		
Remarks: (Explain alternative procedures here or in a separa	te report.) 90-day antecedent pre	cipitation is normal.	
HYDROLOGY		O a see done to Posta	(:-:
Wetland Hydrology Indicators:		Secondary Indicato	rs (minimum of two required)
Primary Indicators (minimum of one is required; check all that	apply)	☐ Surface Soil C	racks (B6)
Surface Water (A1)	Water-Stained Leaves (B9)	Drainage Patte	erns (B10)
	Aquatic Fauna (B13)	Moss Trim Lin	es (B16)
⊠ Saturation (A3) □	Marl Deposits (B15)		/ater Table (C2)
□ Water marks (B1) □ Sediment Deposits (B2) □ Drift Deposits (B3)	Hydrogen Sulfide Odor (C1)	Crayfish Burro	ws (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	oots (C3) Saturation Vi	sible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Str	essed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils		Position (D2)
☐ Iron Deposits (B5) ☐	Thin Muck Surface (C7)	Shallow Aquita	ard (D3)
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	Microtopograp	hic Relief (D4)
☐ Sparsely Vegetated Concave Surface (B8)		☐ FAC-Neutral 1	est (D5)
Field Observations:			
	ches):		
Water Table Present? Yes No Depth (in	, <u> </u>		
Saturation Present? Yes ⊠ No ☐ Depth (includes capillary fringe)	ches): <u>0 (at surface)</u>	Wetland Hydrology Present?	Yes⊠ No □
Describe Recorded Data (stream gauge, monitoring well, aeria	al photos, previous inspections), if a	vailable: Topo Map (Exhibit 1), W	WI Map (Exhibit 2), Soils Map
(Exhibit 3), and Aerial Photos (Exhibit 4).		(======================================	····
Remarks: NAIP/FSA image review found the sample sit	_		-
antecedent precipitation. The sample site is in a broad			
tile system. Recent Iron Reduction in Tilled Soils (C6) i	ndicator not checked since timing	g and depth of last tillage coul	a not be determined.
1			

Tree Stratum (Plot size: 30' radius)	Absolute	Dominant Species?	Indicator	Dominance Test worksheet:
1	% Cover	Species? ☐	<u>Status</u>	
				Number of Dominant Species That are OBL, FACW, or FAC: 1 (A)
2				
3				Total Number of Dominant Species Across All Strata: 1 (B)
4				
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)
6				
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
·· ·	<u>0</u>	= Total Cove		Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5' radius)	<u>-</u>	- 10tai 00ve	žI	Dominance Test is >50% Prevalence Index is ≤3.0¹
1. <u>Veronica peregrina</u>	<u>30</u>	\boxtimes	FAC	☐ Morphological Adaptations¹ (Provide supporting
	<u>2</u>		<u>FACU</u>	data in Remarks or on a separate sheet)
2. Chenopodium album	<u> </u>		17100	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3				¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5				Definitions of Manufaction Office
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>32</u>	= Total Cove	er	
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in
1				height
2				
2				
3				Hydrophytic Vegetation
4				Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet.	0 Atypical (f	= Total Cove		
Remarks. (include prioto number here of our a separate sheet.) Atypical (i	airried) wetiai	iu.	

Profile Des	scription: (Describe t	o the dep	th needed to docu	ument the indi	cator or cor	nfirm the a	osence of indicators.)		
Depth	Matrix			Redox Feat	ures		_		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-6	10YR 2/1	100					Silt loam		
6-20	10YR 2/1	96	10YR 3/4	4	C	PL M	Silt loam		
20-26	2.5Y 4/1	97	10YR 3/6	3	C	PL M	Clay loam		
26-27	2.5Y 4/2	80	10Y 4/1	12	D	PL M	Clay loam		
			10YR 5/6	8	C	PL M			
		-							
			-						
			-						
		-	-						
¹Type: C=0	Concentration, D=Dep	letion, RM	1=Reduced Matrix, I	MS= Masked S	Sand Grains		² Location: PL=Pore Lir	ning, M=Matrix	
-	I Indicators:						Indicators for Problem		
	Histosol (A1)		□ F	Polyvalue Belov MLRA 149	,	8) (LRR R,		0) (LRR K, L, MLRA 149B)	i)
	Histic Epipedon (A2) Black Histic (A3)		П т	Thin Dark Surfa	,	R R. MI RA		edox (A16) (LLR K, L, R) at or Peat (S3) (LLR K, L,	R)
	Hydrogen Sulfide (A4)			oamy Mucky N			Dark Surface (S		,
	Stratified Layers (A5)			oamy Gleyed I				v Surface (S8) (LRR K, L)	
	Depleted Below Dark			Depleted Matrix				ice (S9) (LRR K, L)	Β)
	Thick Dark Surface (a Sandy Mucky Mineral			Redox Dark Su Depleted Dark S				e Masses (F12) (LRR K, L Iplain Soils (F19) (MLRA 1	
	Sandy Gleyed Matrix (Redox Depress				TA6) (MLRA 144A, 145, 1 4	
	Sandy Redox (S5)	,			, ,		☐ Red Parent Mate	erial (F21)	,
	Stripped Matrix (S6)		A 440D)					ark Surface (TF12)	
Ш	Dark Surface (S7) (LR	KR, MLF	(A 149B)				Other (Explain in	n Remarks)	
³ Indicators	of Hydrophytic vegeta	tion and v	vetland hydrology m	nust be present	, unless dist	urbed or pro	oblematic.		
	Layer (if observed)			· · · · · · · · · · · · · · · · · · ·		·			
, ,	:						Hydric Soil Present?	Yes⊠ No □	
	h (inches):								
Remarks:									
ı									
ı									

WETLAND DETE	ERMINATION DATA	FORM - Northcen	tral and Northeast	Region
Project/Site: Hickory Hill Farms - Mitigation Ban	nk Area City/County: V	illage of Sussex/Waukesha	a County	Sampling Date: <u>5-16-2019</u>
Applicant/Owner:			State: WI	Sampling Point: 92
Investigator(s): Chris Jors, Dan Carter, and Sha Landform (hillslope, terrace, etc.): slight hillslop		ection, Township, Range: <u>I</u> ocal relief (concave, convex	NW Quarter, Section 28, T8N	N-R19E Slope (%): <u>6-12%</u>
Subregion (LRR or MLRA): <u>LRR K</u>		at: Long:	· ——	Slope (%). <u>6-12%</u>
Soil Map Unit Name: Hochheim loam (HmC2)				ssification: None
Are climatic/hydrologic conditions on the site typ		,	If no, explain in Remarks)	_
Are Vegetation, Soil, or Hydrology _			tances" present? Yes	No 🗆
Are Vegetation, Soil, or Hydrology _			ny answers in Remarks.)	
SUMMARY OF FINDINGS – Attach s	ite map showing sam	ipling point location	s, transects, importai	nt features, etc.
Liverantia Vegetation Present?	MA	Is the Sampled Area		
Hydrophytic Vegetation Present?	⊠No ⊠No	within a Wetland?	☐ Yes	⊠No
Wetland Hydrology Present?	⊠No			
		If yes, optional Wetland	Site ID:	
Remarks: (Explain alternative procedures here	e or in a separate report.) 9	0-day antecedent precip	itation is normal.	
HYDROLOGY				
Wetland Hydrology Indicators:			Secondary Indica	tors (minimum of two required)
Primary Indicators (minimum of one is required	d; check all that apply)		☐ Surface Soil	Cracks (B6)
☐ Surface Water (A1)	☐ Water-Stain	ed Leaves (B9)	☐ Drainage Pa	atterns (B10)
High Water Table (A2)	Aquatic Fau	ına (B13)	Moss Trim L	ines (B16)
Saturation (A3)	Marl Deposi			Water Table (C2)
☐ Water marks (B1)		ulfide Odor (C1)	Crayfish Bur	
☐ Water marks (B1)☐ Sediment Deposits (B2)☐ Drift Deposits (B3)		nizospheres on Living Roots		isible on Aerial Imagery (C9)
Drift Deposits (B3)		Reduced Iron (C4)		Stressed Plants (D1)
Algal Mat or Crust (B4)		Reduction in Tilled Soils (C		Position (D2)
☐ Iron Deposits (B5)	☐ Thin Muck S		☐ Shallow Aqu	
Inundation Visible on Aerial Imagery		ain in Remarks)		aphic Relief (D4)
		an in Komarko)	FAC-Neutra	
Sparsely Vegetated Concave Surface Field Observations:	Се (Бо)		☐ FAC-Neutra	i Test (D5)
	□ Depth (inches):			
	Depth (inches):			
Saturation Present? Yes 🛛 No	_ · · · / —		etland Hydrology Present	? Yes □ No ⊠
(includes capillary fringe)	_ · · · / _	"	chana riyarology r resent	. 100 🗀 110 🖂
Describe Recorded Data (stream gauge, moni	toring well, aerial photos, pre	evious inspections), if availa	able: Topo Map (Exhibit 1),	WWI Map (Exhibit 2), Soils Map
(Exhibit 3), and Aerial Photos (Exhibit 4).				
Remarks: No wetland hydrology indicators	s observed			
Remarks. No wettand flydrology indicators	o observed.			

Tree Stratum (Plot size: 30' radius)	Absolute <u>% Cover</u>	Dominant Species?	Indicator Status	Dominance Test worksheet:
1	70 COVEL		Status	Number of Dominant Species
2				That are OBL, FACW, or FAC: 0 (A)
3				Total Number of Dominant Species Across All Strata: 2 (B)
4				
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 0% (A/B)
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4			<u> </u>	UPL species x 5 =
5				-
				``, `,
6				Prevalence Index = B/A = Hydrophytic Vegetation Indicators:
7				Rapid Test for Hydrophytic Vegetation
	<u>0</u>	= Total Cove	er	☐ Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)		_		☐ Prevalence Index is ≤3.0¹☐ Morphological Adaptations¹ (Provide supporting
1. Stellaria media	<u>10</u>	\boxtimes	<u>FACU</u>	data in Remarks or on a separate sheet)
2. Erigeron canadensis	<u>4</u>	\boxtimes	<u>FACU</u>	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3. Poa pratensis	<u>1</u>		<u>FACU</u>	
4				Indicators of hydric soil and wetland hydrology must Be present, unless disturbed or problematic.
5				be present, unless disturbed of problematic.
				Definitions of Vegetation Strata:
6				_
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub - Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>15</u>	= Total Cove	er	
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in height
1				noight
2				
2				
3				Hydrophytic
4				Vegetation Present? Yes □ No ☒
December Control of the control of t	<u>0</u>	= Total Cove	er	
Remarks: (include photo number here or on a separate sheet.) Agricultura	аі пеіа.		

Depth	2011ptil0111 (20001120 t		in needed to			confirm the a	bsence of indicators.)		
	Matrix				ox Features		_		
(inches)	Color (moist)	%	Color (mo	ist)	% Type ¹	Loc ²	Texture	R	emarks
-12	10YR 2/1	100					Silt loam		
2-18	10YR 2/1	100					Clay loam		
8-24	5Y 5/2	50	10YR 5/8		50 C	PL M	Clay loam	· -	
							-	·	
	· 	-						· -	
	. ——					· ·			
	. ——					· ·			
ype: C=0	Concentration, D=Depl	letion, RM	I=Reduced Mat	trix, MS= Ma	asked Sand Grai	ns	² Location: PL=Pore	Lining, M=Matr	ix
-	I Indicators:		_				Indicators for Proble	-	
	Histosol (A1)				ie Below Surface RA 149B)	e (S8) (LRR R ,	•	(10) (LRR K, L,	,
	Histic Epipedon (A2) Black Histic (A3)		Г		rk Surface (S9) (IRRR MIRA		Redox (A16) (L	3) (LLR K, L, R)
	Hydrogen Sulfide (A4)				Mucky Mineral (F			(S7) (LRR K, L	
	Stratified Layers (A5)				Gleyed Matrix (F	2)		low Surface (S8	
	Depleted Below Dark		_		d Matrix (F3)			rface (S9) (LRR	
	Thick Dark Surface (A Sandy Mucky Mineral				Dark Surface (F6 d Dark Surface (_		 (LRR K, L, R) (MLRA 149B)
	Sandy Gleyed Matrix (Depressions (F8)				144A, 145, 149B)
	Sandy Redox (S5)	,			. , ,		☐ Red Parent M	faterial (F21)	
	Stripped Matrix (S6)	D D MI F	A 440D)					Dark Surface (ΓF12)
	Dark Surface (S7) (LR	K K, WILF	(A 149B)				☐ Otner (Explai	n in Remarks)	
	of Hydrophytic vegeta	tion and v	vetland hydrolo	gy must be p	present, unless	disturbed or pr	oblematic.		
ndicators									
	Layer (if observed)	:					Hydric Soil Present	? Yes □	Na M
Restrictive Type:	Layer (if observed)	:							No 🛛
Restrictive Type: Depth	e Layer (if observed): : h (inches):								NO 🖂
Restrictive Type: Depth	Layer (if observed)		erved.						NO 🗵
Restrictive Type: Depth	e Layer (if observed): : h (inches):		erved.						NO 🗵
Restrictive Type: Depth	e Layer (if observed): : h (inches):		erved.						NO 🗵
Restrictive Type: Depth	e Layer (if observed): : h (inches):		erved.						NO 🗵
estrictive Type: Depth	e Layer (if observed): : h (inches):		erved.						NO 🗵
estrictive Type: Depth	e Layer (if observed): : h (inches):		erved.						NO 🗵
estrictive Type: Depth	e Layer (if observed): : h (inches):		erved.						NO 🗵
estrictive Type: Depth	e Layer (if observed): : h (inches):		erved.						NO 🗵
estrictive Type: Depth	e Layer (if observed): : h (inches):		erved.						NO 🗵
estrictive Type: Depth	e Layer (if observed): : h (inches):		erved.						NO 🗵
estrictive Type: Depth	e Layer (if observed): : h (inches):		erved.						NO 🗵
estrictive Type: Depth	e Layer (if observed): : h (inches):		erved.						NO 🗵
Restrictive Type: Depth	e Layer (if observed): : h (inches):		erved.						NO 🗵
Restrictive Type: Depth	e Layer (if observed): : h (inches):		erved.						NO 🗵
Restrictive Type: Depth	e Layer (if observed): : h (inches):		erved.						NO 🗵
Restrictive Type: Depth	e Layer (if observed): : h (inches):		erved.						NO 🗵
Restrictive Type: Depth	e Layer (if observed): : h (inches):		erved.						NO 🗵
Restrictive Type: Depth	e Layer (if observed): : h (inches):		erved.						NO 🗵
Restrictive Type: Depth	e Layer (if observed): : h (inches):		erved.						NO 🗵

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: <u>5-20-2019</u> Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 93 Applicant/Owner: __ State: WI Investigator(s): Chris Jors, Jen Dietl, and Shane Heyel: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): berm (dredge spoils) Local relief (concave, convex, none): convex Slope (%): 0-2% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Brookston silt loam (BsA) NWI classification: F0Kf Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area ⊠Yes Hydrophytic Vegetation Present? ПNо ☐ Yes ⊠No within a Wetland? ⊠No Hydric Soils Present? □Yes ⊠No Wetland Hydrology Present? □Yes If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) П П ☐ Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) ☐ Presence of Reduced Iron (C4) Drift Deposits (B3) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) **FAC-Neutral Test (D5)** Field Observations: Surface Water Present? Yes No 🖂 Depth (inches): _ Water Table Present? Yes \boxtimes Depth (inches): _ No Saturation Present? Yes No 🖂 Depth (inches): Wetland Hydrology Present? Yes No 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4). Remarks: The sample site is in the FEMA-mapped floodway, but is on a narrow, slightly elevated berm along the edge of the waterway. The site is on a convex surface between a drain-tiled agricultural field and the naturally vegetated creek bank. Thus, geomorphic position (D2) does not apply. Only one secondary wetland hydrology indicator observed.

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator	Dominance Test worksheet:
1	% Cover	Species? ☐	<u>Status</u>	Number of Dominant Species
				That are OBL, FACW, or FAC: 2 (A)
2				,
3				Total Number of Dominant Species Across All Strata: <u>3</u> (B)
4				
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 67% (A/B)
6				
7			-	Prevalence Index worksheet:
	<u>0</u>	= Total Cove	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4	-			UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
· · · 	<u>0</u>	= Total Cove	⊃r	Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5' radius)	_	- 10tai 00V	51	Dominance Test is >50% Prevalence Index is ≤3.0¹
1. Sonchus arvensis	<u>20</u>	\boxtimes	FACU	☐ Morphological Adaptations¹ (Provide supporting
2. <u>Urtica dioica</u>	<u>15</u>		FAC	data in Remarks or on a separate sheet)
	<u>12</u>	\boxtimes	OBL	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3. <u>Stachys palustris</u>				¹ Indicators of hydric soil and wetland hydrology must
4. Phalaris arundinacea	<u>10</u>		<u>FACW</u>	Be present, unless disturbed or problematic.
5. <u>Impatiens capensis</u>	<u>8</u>		<u>FACW</u>	Definitions of Variation Strate.
6. <u>Daucus carota</u>	<u>5</u>		<u>UPL</u>	Definitions of Vegetation Strata:
7. Ambrosia trifida	<u>3</u>		<u>FAC</u>	Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>73</u>	= Total Cove	er	
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in height
1				neight
2				
3	<u></u>		·	
4				Hydrophytic Vegetation
4		<u> </u>		Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet.	Old field a	= Total Cove		
Troniano. (morade priote manifer nere of on a separate shoet	., Old Hold d	and agriculture	ii iioia.	

SOIL Sampling Point: 93

Profile De	scription: (Describe to	the dep	oth needed to docu	ıment the indi	icator or cor	nfirm the a	osence of indicators.)			
Depth	Matrix			Redox Feat	ures		_			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	R	emarks	;
0-10	10YR 2/1	100	'				Silt loam			
10-22	10YR 2/1	90	10YR 4/2	10	D	М	Silt loam			
22-25	10YR 3/1	92	10YR 5/2	5	D	М	Clay loam			
	- <u> </u>		10YR 3/4	3	C					
		-								
	-						-			
							-			
		-								
¹Type: C=	Concentration, D=Depl	etion, RM	M=Reduced Matrix,	MS= Masked S	Sand Grains		² Location: PL=Pore L	ining, M=Matr	ix	
	il Indicators:	,					Indicators for Problem			
	Histosol (A1)		☐ F	Polyvalue Belov		8) (LRR R,				
	Histic Epipedon (A2)			MLRA 149	,		Coast Prairie R			
	Black Histic (A3) Hydrogen Sulfide (A4)			hin Dark Surfa .oamy Mucky N			_			K, L, R)
	Stratified Layers (A5)			oamy Gleyed		(LKK K, L)	☐ Dark Surface (☐ Polyvalue Belo			K I)
	Depleted Below Dark S	Surface (A		Depleted Matrix			☐ Thin Dark Surfa			14, =/
	Thick Dark Surface (A			Redox Dark Su			☐ Iron-Manganes			R K, L, R)
	Sandy Mucky Mineral			Depleted Dark	Surface (F7)		☐ Piedmont Floo			
	Sandy Gleyed Matrix (S4)	☐ F	Redox Depress	sions (F8)		Mesic Spodic (144A, 1	45, 149B)
	Sandy Redox (S5)						Red Parent Ma		TE40\	
	Stripped Matrix (S6) Dark Surface (S7) (LR	RR MIR	2 A 149R)				☐ Very Shallow ☐ Other (Explain		IF12)	
	Dark Guriace (G7) (ER	ix ix, iviLi	(A 143D)				U Other (Explain	iii Romanoj		
³ Indicators	of Hydrophytic vegetat	ion and v	vetland hydrology m	ust be present	t, unless dist	urbed or pro	blematic.			
Restrictive	e Layer (if observed):									
Туре	e:						Hydric Soil Present?	Yes 🗌	No	\boxtimes
	th (inches):									
Remarks: I	No hydric soil indicat	ors obse	erved.							

WETLAND DETERMINATION	I DATA FORM – Northo	entral and Northeast	Region			
Project/Site: Hickory Hill Farms, Inc. City/	County: Village of Sussex/Wauke	esha County	Sampling Date: <u>5-20-2019</u>			
Applicant/Owner:		State: WI	Sampling Point: 94			
Investigator(s): Chris Jors, Jen Dietl, and Shane Heyel: SEWRPC		e: SW Quarter, Section 21, T8N	N-R19E			
Landform (hillslope, terrace, etc.): tributary waterway		vex, none): <u>linear, concave</u>	Slope (%): <u>0-2%</u>			
Subregion (LRR or MLRA): LRR K	Lat: Long: _		· · · · · · · · · · · · · · · · · · ·			
Soil Map Unit Name: Brookston silt loam (BsA)	f year? Yes ⊠ No □		ssification: <u>F0Kf</u>			
Are climatic/hydrologic conditions on the site typical for this time o Are Vegetation, Soil, or Hydrology significantly o		(If no, explain in Remarks) imstances" present? Yes ⊠	No □			
Are Vegetation, Soil, or Hydrology astimizating C		in any answers in Remarks.)	140			
	•		nt factures at a			
SUMMARY OF FINDINGS – Attach site map show	ing sampling point locati	ons, transects, importa	nt features, etc.			
Hydrophytic Vegetation Present? Yes No	Is the Sampled Are within a Wetland?	ea ⊠ Yes	□No			
Hydric Soils Present?	William a violama	△ 133				
welland riyurology Fresent:	If yes, optional Wetl	and Site ID: PCA 2				
Remarks: (Explain alternative procedures here or in a separate						
Tremane. (Explain alternative procedures here of in a separate	report.) oo day ameeddan pre	ophation io normal.				
HYDROLOGY						
Wetland Hydrology Indicators:		Secondary Indica	ators (minimum of two required)			
Primary Indicators (minimum of one is required; check all that ap	ply)	☐ Surface Soil Cracks (B6)				
Surface Water (A1) □ W	ater-Stained Leaves (B9)		atterns (B10)			
	` ,					
	quatic Fauna (B13)	Moss Trim L				
Saturation (A3)	arl Deposits (B15)		Water Table (C2)			
☐ Water marks (B1) ☐ H	ydrogen Sulfide Odor (C1)					
Sediment Deposits (B2)	xidized Rhizospheres on Living R	hizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)				
Drift Deposits (B3)	resence of Reduced Iron (C4)	f Reduced Iron (C4) Stunted or Stressed Plants (D1)				
☐ Algal Mat or Crust (B4) ☐ R	ecent Iron Reduction in Tilled Soil					
☐ Iron Deposits (B5) ☐ Th	nin Muck Surface (C7)					
	ther (Explain in Remarks)					
☐ Sparsely Vegetated Concave Surface (B8)	,					
Field Observations:		⊠ FAC-Neutra	ar rest (D3)			
Surface Water Present? Yes ⊠ No ☐ Depth (inche	25). 6					
Water Table Present? Yes ☐ No ☐ Depth (inche						
Saturation Present? Yes ☐ No ☐ Depth (inche (includes capillary fringe)	es):	Wetland Hydrology Present	? Yes⊠ No □			
Describe Recorded Data (stream gauge, monitoring well, aerial p	photos previous inspections) if a	(ailable: Topo Man (Evhibit 1)	WWI Man (Eyhihit 2) Soile Man			
(Exhibit 3), and Aerial Photos (Exhibit 4).	onotos, previous inspections), ir a	valiable. Topo Map (Exhibit 1),	WWW Map (EXHIBIT 2), 30113 Map			
(
Remarks: The sample site is in the channel and FEMA-ma	apped floodway of an unname	d tributary to Spring Creek.				
γ	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, , , , , , , , , , , , , , , , , , ,				

<u>Tree Stratum</u> (Plot size: <u>30' radius</u>)	Absolute	Dominant	Indicator	Dominance Test worksheet:
1	% Cover	Species?	<u>Status</u>	
				Number of Dominant Species That are OBL, FACW, or FAC: 2 (A)
2				
3				Total Number of Dominant Species Across All Strata: 2 (B)
4	-			
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)
6				
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cov	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4	<u> </u>			UPL species x 5 =
5				Column Totals: (A) (B)
	-			
6				Prevalence Index = B/A = Hydrophytic Vegetation Indicators:
7		<u>П</u>		Rapid Test for Hydrophytic Vegetation
	<u>0</u>	= Total Cov	er	□ Dominance Test is >50% □ 2.21
Herb Stratum (Plot size: 5' radius)		<u> </u>		☐ Prevalence Index is ≤3.0¹☐ Morphological Adaptations¹ (Provide supporting
1. Impatiens capensis	<u>15</u>		FACW	data in Remarks or on a separate sheet)
2. Phalaris arundinacea	<u>10</u>	\boxtimes	<u>FACW</u>	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3				¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5				
6				Definitions of Vegetation Strata:
7	· <u> </u>		<u></u>	Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
	-			
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb - All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>25</u>	= Total Cov	er	Woody vines – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30' radius)				height
1	-			
2				
3				Hydrophytic
4.		П		Vegetation
	<u>0</u>	= Total Cov	er	Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet.				ry with fresh (wet) meadow along the banks.
` '				, , ,

SOIL Sampling Point: 94

	cription: (Describe to	are asput fieed	50 to 000			min the abs	once of mulcators.)		
Depth	Matrix			Redox Feat					
(inches)	Color (moist)	% Col	or (moist)	%	Type ¹	Loc ²	Texture	Re	emarks
					-				
								_	
ype: C=C	Concentration, D=Deplet	tion, RM=Reduc	ed Matrix,	MS= Masked S	Sand Grains		² Location: PL=Pore I	_ining, M=Matri	x
	Indicators:						Indicators for Proble	•	
	Histosol (A1)			Polyvalue Belo		3) (LRR R,		10) (LRR K, L,	
	Histic Epipedon (A2)			MLRA 149	,	D MIDA 1		Redox (A16) (L	LR K, L, R)) (LLR K, L, R)
	Black Histic (A3) Hydrogen Sulfide (A4)			Thin Dark Surfa Loamy Mucky I				eal of Peal (53 (S7) (LRR K, L)	
	Stratified Layers (A5)			Loamy Gleyed				ow Surface (S8)	
	Depleted Below Dark Su			Depleted Matrix				face (S9) (LRR	
	Thick Dark Surface (A12			Redox Dark Su					2) (LRR K, L, R)
	Sandy Mucky Mineral (S			Depleted Dark					19) (MLRA 149E
	Sandy Gleyed Matrix (Se Sandy Redox (S5)	4)		Redox Depress	sions (F8)		☐ Red Parent M		44A, 145, 149B
	Stripped Matrix (S6)							Dark Surface (T	F12)
	Dark Surface (S7) (LRR	R, MLRA 149B)					n in Remarks)	
	of Hydrophytic vegetation	on and wetland h	ydrology i	must be presen	t, unless distu	irbed or probl	ematic.		
	Layer (if observed):						Uhadala Oali Daasaa 10		Ni. 🗖
Type: Depth	(inches):						Hydric Soil Present?	Yes ⊠	No 🗌
	oils inundated with 6	inches of water	er hydric	hy definition	- Criteria 3				
marko. O	one managed with e	monoc or was	51, 11 , 4110	by dominion	Ornona o.				

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: <u>5-20-2019</u> Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 95 Applicant/Owner: __ State: WI Investigator(s): Chris Jors, Jen Dietl, and Shane Heyel: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): slight depression Local relief (concave, convex, none): concave Slope (%): 0-2% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Brookston silt loam (BsA) NWI classification: F0Kf Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_X_, Soil____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes □ No 🖂 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? □No ⊠Yes within a Wetland? ✓ Yes □No □No Hydric Soils Present? ⊠Yes □No Wetland Hydrology Present? ⊠Yes If yes, optional Wetland Site ID: PCA 13 Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. The sample site has significantly disturbed hydrophytic vegetation due to farming. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) ☐ Surface Water (A1) ☐ Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) \boxtimes Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Oxidized Rhizospheres on Living Roots (C3) Sediment Deposits (B2) \boxtimes Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) П Recent Iron Reduction in Tilled Soils (C6) Algal Mat or Crust (B4) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Other (Explain in Remarks) Inundation Visible on Aerial Imagery (B7) Microtopographic Relief (D4) П Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No 🛛 Depth (inches): Water Table Present? Yes 🛛 No 🗌 Depth (inches): 24 Saturation Present? Yes 🖂 No \square Depth (inches): 0 (surface) Wetland Hydrology Present? No 🗌 Yes 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), Aerial Photos (Exhibit 4), and NAIP/FSA Images (Exhibit 12). Remarks: NAIP/FSA images review found the sample site exhibited wetness signatures in 10 out 10 (100%) images taken with normal antecedent precipitation. The site is in a slight depression within the FEMA-mapped floodway, but geomorphic position (D2) is not checked due to the presence of a recently upgraded drain tile system (Exhibit 14).

T 0: (Pl.: 00) (F)	Absolute	Dominant	Indicator	Daminanas Taat waskabaat
<u>Tree Stratum</u> (Plot size: <u>30' radius</u>)	% Cover	Species?	<u>Status</u>	Dominance Test worksheet:
1				Number of Dominant Species That are OBL, FACW, or FAC: 1 (A)
2				That are ODE, I ACW, OF AC.
3				Total Number of Dominant
4				Species Across All Strata: <u>2</u> (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 50% (A/B)
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species <u>2</u> x 1 = <u>2</u>
1				FACW species $\underline{0}$ x 2 = $\underline{0}$
2				FAC species <u>6</u> x 3 = <u>18</u>
3				FACU species <u>5</u> x 4 = <u>20</u>
4				UPL species <u>0</u> x 5 = <u>0</u>
5				Column Totals: <u>13</u> (A) <u>40</u> (B)
6	·			Prevalence Index = $B/A = 3.08$
7				Hydrophytic Vegetation Indicators:
r	<u>0</u>	= Total Cove		Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5' radius)	<u> </u>	= Total Cove	2 I	☐ Dominance Test is >50% ☐ Prevalence Index is ≤3.0¹
, ,,	<u>5</u>	\boxtimes	FAC	☐ Morphological Adaptations¹ (Provide supporting
1. Ambrosia trifida				data in Remarks or on a separate sheet)
2. Chenopodium album	<u>5</u>		FACU ORL	☑ Problematic Hydrophytic Vegetation¹ (Explain)
3. Ranunculus sceleratus	<u>2</u>		<u>OBL</u>	¹ Indicators of hydric soil and wetland hydrology must
4. <u>Veronica peregrina</u>	<u>1</u>		<u>FAC</u>	Be present, unless disturbed or problematic.
5				
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				
12				Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
	<u>13</u>	= Total Cove	 ≏r	or oles, and woody planto look than 6.20 it tall.
Woody Vine Stratum (Plot size: 30' radius)	<u>—</u>	- 10tai 00V	51	Woody vines – All woody vines greater than 3.28 ft in
4		П		height
1				
2		<u> </u>		
3		<u> </u>		Hydrophytic
4		ш		Vegetation Present? Yes ⊠ No □
	<u>0</u>	= Total Cov		
Remarks: (include photo number here or on a separate sheet				
It exhibits wetland hydrology indicators, has a hydric so site was determined to be wetland with significantly dist			-	•
site was determined to be welland with significantly dis-	iaibea riyare	opriyilo vogoti	ation. Atypio	ai (iaimed) welland.

SOIL Sampling Point: 95

Profile De	scription: (Describe t	o the dep	oth needed to docu	ıment the indi	icator or cor	nfirm the a	bsence of indicators.)		
Depth	Matrix		<u> </u>	Redox Feat	ures		_		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
-13	10YR 2/1	100					Silt loam		
3-17	2.5Y 3/1	85	2.5Y 5/2	10	D	М	Clay loam		
		-	5YR 4/4	5	C	PL M			
17-25	5Y 5/2	90	2.5Y 5/6	10	С	PL M	Clay loam		
	<u> </u>								
		-							
	Concentration, D=Dep	etion, RN	/I=Reduced Matrix, I	MS= Masked S	Sand Grains		² Location: PL=Pore		
-	il Indicators: Histosol (A1)		ПБ	olyvalue Belov	w Surface (S	8) (I RR P	Indicators for Proble 2 cm Muck (A	ematic Hydric Soils³: 10) (LRR K, L, MLRA 14	19B)
_	Histic Epipedon (A2)		о .	MLRA 149		o) (L itit it,		Redox (A16) (LLR K, L , I	
	Black Histic (A3)		П П	hin Dark Surfa	ace (S9) (LR I	R R, MLRA		eat or Peat (S3) (LLR K,	
	Hydrogen Sulfide (A4)			oamy Mucky N		(LRR K, L)		(S7) (LRR K, L)	
	Stratified Layers (A5) Depleted Below Dark S	Surface (oamy Gleyed loopleted Matrix				ow Surface (S8) (LRR K,	, L)
	Thick Dark Surface (Redox Dark Su				face (S9) (LRR K, L) se Masses (F12) (LRR K	(. L. R)
	Sandy Mucky Mineral			Depleted Dark				odplain Soils (F19) (MLR .	
	Sandy Gleyed Matrix (S4)	☐ F	Redox Depress	sions (F8)			(TA6) (MLRA 144A, 145	, 149B)
	Sandy Redox (S5)						Red Parent M		
	Stripped Matrix (S6) Dark Surface (S7) (LR	RR MIR	RA 149B)				☐ Other (Explain	Dark Surface (TF12)	
		,	,					· ··· · · · · · · · · · · · · · · · ·	
	of Hydrophytic vegeta		wetland hydrology m	ust be present	t, unless dist	urbed or pr	oblematic.		
	e Layer (if observed)	:							_
, ,	e: :h (inches):						Hydric Soil Present?	Yes⊠ No □]
Dept Remarks:	n (inches):								
temarks.									

WETLAND DETERMINAT	ION DATA FORM - Nor	thcentral and Northeast	Region			
Project/Site: Hickory Hill Farms, Inc.	City/County: Village of Sussex/Wa	aukesha County	Sampling Date: <u>5-20-2019</u>			
Applicant/Owner:		State: WI	Sampling Point: 96			
Investigator(s): Chris Jors, Jen Dietl, and Shane Heyel: SEW	/RPC Section, Township, R	ange: SW Quarter, Section 21, T8	N-R19E			
Landform (hillslope, terrace, etc.): drainageway	Local relief (concave,	convex, none): linear, concave	Slope (%): <u>0-2%</u>			
Subregion (LRR or MLRA): <u>LRR K</u>	Lat: Lon	g: Datum:				
Soil Map Unit Name: <u>Brookston silt loam (BsA)</u>	<u></u>	_	assification: <u>F0Kf</u>			
Are climatic/hydrologic conditions on the site typical for this ti		_ `				
Are Vegetation, Soil, or Hydrology signification		Circumstances" present? Yes ⊠	No □			
Are Vegetation, Soil, or Hydrology naturally	problematic? (If, needed, ex	xplain any answers in Remarks.)				
SUMMARY OF FINDINGS – Attach site map sl	nowing sampling point loc	cations, transects, importa	ant features, etc.			
Hydrophytic Vegetation Present? ☐Yes ☐No	Is the Sampled	Area				
Hydric Soils Present?		nd? ⊠ Yes	□No			
Wetland Hydrology Present?						
,		Vetland Site ID: PCA 2				
Remarks: (Explain alternative procedures here or in a sepa	rate report.) 90-day anteceden	precipitation is normal.				
	, ,					
HYDROLOGY						
Wetland Hydrology Indicators:		Secondary Indic	ators (minimum of two required)			
Primary Indicators (minimum of one is required; check all the	at apply)					
	_		il Cracks (B6)			
Surface Water (A1)	Water-Stained Leaves (B9)	Drainage P	atterns (B10)			
☐ High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim	Lines (B16)			
Saturation (A3) □	Marl Deposits (B15)	☐ Dry-Seasor	n Water Table (C2)			
		Crayfish Bu				
Conditionant Deposits (D2)	_					
Sediment Deposits (B2)	_	hizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)				
Drift Deposits (B3)	_	· · · · · · · · · · · · · · · · · · ·				
□ Water marks (B1) □ Sediment Deposits (B2) □ Drift Deposits (B3) □ Algal Mat or Crust (B4) □ Iron Deposits (B5)	Recent Iron Reduction in Tilled	Soils (C6) Geomorph	ic Position (D2)			
☐ Iron Deposits (B5)	Thin Muck Surface (C7)	☐ Shallow Aq	uitard (D3)			
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)		raphic Relief (D4)			
			ral Test (D5)			
Sparsely Vegetated Concave Surface (B8) Field Observations:		A FAC-Neuti	ai Test (D5)			
	(inches):					
·	(inches):					
•	(inches): <u>3</u>					
·	(inches): 0 (at surface)	Wetland Hydrology Presen	t? Yes⊠ No 🏻			
(includes capillary fringe)						
Describe Recorded Data (stream gauge, monitoring well, ac	rial photos, previous inspections),	if available: Topo Map (Exhibit 1)	, WWI Map (Exhibit 2), Soils Map			
(Exhibit 3), and Aerial Photos (Exhibit 4).						
	 					
Remarks: The sample site is within the straightened s	tream channel of an unnamed	tributary to Spring Creek. The	site is also in the FEMA-			
mapped floodway, just above the flowing water.						

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1	76 COVEL		Status	Number of Dominant Species
				That are OBL, FACW, or FAC: 2 (A)
2				
3				Total Number of Dominant Species Across All Strata: 2 (B)
4				
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 100% (A/B)
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2	-			FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				-
				Column Totals: (A) (B)
6				Prevalence Index = B/A = Hydrophytic Vegetation Indicators:
7				Rapid Test for Hydrophytic Vegetation
	<u>0</u>	= Total Cove	er	□ Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)		_		☐ Prevalence Index is ≤3.0¹☐ Morphological Adaptations¹ (Provide supporting
1. Phalaris arundinacea	<u>20</u>	\boxtimes	<u>FACW</u>	data in Remarks or on a separate sheet)
2. Impatiens capensis	<u>18</u>	\boxtimes	<u>FACW</u>	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3. Ambrosia trifida	<u>10</u>		FAC	
4. Alliaria petiolata	<u>3</u>		<u>FACU</u>	Indicators of hydric soil and wetland hydrology must Be present, unless disturbed or problematic.
5				De processit, uniode dictarged of programmatic.
6				Definitions of Vegetation Strata:
				_ ,,, , , , , , , , , , , , , , , , , ,
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>51</u>	= Total Cove	er	Manda di vidina a All con ado vidina a manda a than 2 20 ft in
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in height
1				
2.				
3.				Undrambatio
4				Hydrophytic Vegetation
*·	<u> </u>	= Total Cove		Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet.				
Tromaino. (morado prioto hambor noro el en a coparate ence.	.,	n, moadom		

OIL Profile Des	scription: (Describe t	o the der	th needed to docu	ment the indi	cator or cor	firm the a	bsence of indicators.)	Sampling Po	Int: <u>96</u>
	Matrix			Redox Feat					
Depth inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	— Texture	Re	marks
2	10YR 3/1	100			.,,,,,		Silt loam		
<u></u> 11	2.5Y 2.5/1	95	10YR 3/6	5		PL M	Silt loam	<u> </u>	
-18	5Y 4/1	85	7.5YR 4/6	15		PL M	Silty clay loam	_	
+	01 4/1		7.011(4/0			1 = 101	City day loan	Too wet to pull	IID
·	· 							100 Wet to puil	<u>ир.</u>
	· 								
	·	-					-		
	·	-					-		
/pe: C=0	Concentration, D=Dep	letion, RM	=Reduced Matrix, N	MS= Masked S	and Grains		² Location: PL=Pore	E Lining, M=Matrix	[
	il Indicators:						Indicators for Prob		
	Histosol (A1)		☐ P	olyvalue Belov		B) (LRR R,		A10) (LRR K, L, N	
	Histic Epipedon (A2) Black Histic (A3)			MLRA 149 hin Dark Surfa	,			e Redox (A16) (LL Peat or Peat (S3)	
	Hydrogen Sulfide (A4)			oamy Mucky N				e (S7) (LRR K, L)	
	Stratified Layers (A5)			oamy Gleyed I				elow Surface (S8)	
	Depleted Below Dark	Surface		epleted Matrix				urface (S9) (LRR[°]I	
	Thick Dark Surface (A			ledox Dark Su				ese Masses (F12	
	Sandy Mucky Mineral			epleted Dark				oodplain Soils (F1	
	Sandy Gleyed Matrix (Sandy Redox (S5)	(54)	∐ R	Redox Depress	ions (F8)			c (TA6) (MLRA 1 4 Material (F21)	14A, 145, 149E
	Stripped Matrix (S6)							viaterial († 21) v Dark Surface (Tf	F12)
	Dark Surface (S7) (LR	R R, MLF	RA 149B)					in in Remarks) `	,
г			4 11 1						
	of Hydrophytic vegeta Layer (if observed)		vetland hydrology m	ust be present	, unless disti	irbed or pr	oblematic.		
	:	•					Hydric Soil Present	t? Yes ⊠	No 🗆
	 h (inches):						nyunc son Freseni	i: les 🖂	140
emarks:									

Physical Prise Highton His Parties - Millington Rank Area Gily County Willington of Susses: Will Sampling Prises: 202018 Susses: Will Sampling Prises: 202018 Susses: Will Sampling Prises: 202018 Subregion LIKR or MIRA)_EREX Section Township, Range: SVY. Guarter. Section 21. TBM.1819E Local relater (concave, convex, none): convex Suspection Prises: 202018 Subregion LIKR or MIRA)_EREX Subregion LIKR or MIRA]_EREX Subregion LIKR or MIRA	WETLAND DETE	RMINATION DATA	FORM - Northce	entral and Northeas	st Region
Local relief (concave, convex, none): _convex_ Slope (%): _0.2%	Project/Site: <u>Hickory Hill Farms - Mitigation Ban</u> Applicant/Owner:	k Area City/County: Vil	lage of Sussex/Waukes		
Subbregion (LRR or MLRA)_LRR K Lat: Long: Datum:					
Note Cassification: Enck Very collimate Enck Very collimate Enck Very collimate Enck Very collimate Enck Very Cassification: Very Cassification: Very Cassification: Enck Very Cassification: Very Cassification: Enck Very Cassification: Very Cassification: Enck Ve	· · · ·		•	,	Slope (%): <u>0-2%</u>
Are climatichydrologic conditions on the site typical for this time of year? Are Vegetation		Lat	: Long:		Jacoification, FOV
Are Normal Circumstances' present? Yes \ No No Normative Vegetation Soil or Hydrology naturally problematic? (iff, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Ves No Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Drainage Patterns (B10) Drainage Patterns		ical for this time of year?	Yes 🕅 No 🗆		
Soll_ or Hydrology					
Sufface Soli Cracks (Bt) Surface Soli Cracks					
Hydric Soils Present?			pling point locatio	ons, transects, impor	tant features, etc.
Hydric Soils Present?	_				
Yes No If yes, optional Wetland Site ID:		_			⊠ No.
Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. Sample site is situated on a dredge spoil berm. Applicators			Within a Wetland.	□ 103	
Name Primary Indicators (minimum of one is required; check all that apply) Surface Water (Art) Water Table (A2) Aquatic Fauna (B13) Dyr. Season Water Table (C2) Drift Deposits (B3) Presente of Reduced fron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Mater Object (B16) Saluration (D1) sible on Aerial Imagery (B7) Other (Explain in Remarks) FAC-Neutral Test (D5) No Saluration (Minimum) Surface Water (Present? Yes No Surface (B16) Depth (inches): Saluration (Stribit 1), wwill Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4).	Welland Hydrology Fresent:	⋈ 140	If ves, optional Wetlan	nd Site ID:	
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one is required: check all that apply)	Remarks: (Explain alternative procedures here	e or in a separate report.) 90	1		ole site is situated on a
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) High Water Table (A2) Aquatic Fauna (B13) Aquatic Fauna (B13) Aquatic Fauna (B13) Aquatic Fauna (B15) Saturation (A3) Adain Deposits (B15) Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Atland or Crust (B4) Apresence of Reduced Iron (C4) Algal Mat or Crust (B4) Accent Iron Reduction in Tilled Soils (C6) Algal Mat or Crust (B4) Accent Iron Reduction in Tilled Soils (C6) Algal Mat or Crust (B4) Accent Iron Reduction in Tilled Soils (C6) Apparesely Regetated Concave Surface Apparesely Regetated Concave Surface Butter Table Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Surface Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Saturation P	` .		,		
Note Primary Indicators (minimum of one is required) Primary Indicators (minimum of two r	and age of an action				
Note Primary Indicators (minimum of one is required) Primary Indicators (minimum of two r					
Note Primary Indicators (minimum of one is required) Primary Indicators (minimum of two r					
Note Primary Indicators (minimum of one is required) Primary Indicators (minimum of two r					
Note Primary Indicators (minimum of one is required) Primary Indicators (minimum of two r					
Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Recent Iron Reduction in Tilled Soils (C6) Prind Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Ves No Depth (inches): Saturation Provious inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4).				Secondary Ind	icators (minimum of two required)
Surface Water (A1)		chook all that apply)			
High Water Table (A2)					, ,
Saturation (A3) □ Marl Deposits (B15) □ Dry-Season Water Table (C2) Water marks (B1) □ Hydrogen Sulfide Odor (C1) □ Crayfish Burrows (C8) Sediment Deposits (B2) □ Oxidized Rhizospheres on Living Roots (C3) □ Saturation Visible on Aerial Imagery (C9) □ Drift Deposits (B3) □ Presence of Reduced Iron (C4) □ Stunted or Stressed Plants (D1) □ Algal Mat or Crust (B4) □ Recent Iron Reduction in Tilled Soils (C6) □ Geomorphic Position (D2) □ Iron Deposits (B5) □ Thin Muck Surface (C7) □ Shallow Aquitard (D3) □ Inundation Visible on Aerial Imagery (B7) □ Other (Explain in Remarks) □ Microtopographic Relief (D4) □ Sparsely Vegetated Concave Surface (B8) □ Algal Mat or Crust (B4) □ Shallow Aquitard (D3) □ Inundation Visible on Aerial Imagery (B7) □ Other (Explain in Remarks) □ Microtopographic Relief (D4) □ Sparsely Vegetated Concave Surface (B8) □ Popth (inches): □ FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes □ No □ Depth (inches): □ Saturation Present? Yes □ No □ Depth (inches): □ Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4).	Surface Water (A1)	Water-Staine	d Leaves (B9)	Drainage	Patterns (B10)
Water marks (B1)	High Water Table (A2)	Aquatic Faun	a (B13)		n Lines (B16)
Algal Mat or Crust (B4)	Saturation (A3)	Marl Deposits	s (B15)		on Water Table (C2)
Algal Mat or Crust (B4)	☐ Water marks (B1)	Hydrogen Su	lfide Odor (C1)	Crayfish I	Burrows (C8)
Algal Mat or Crust (B4)	Sediment Deposits (B2)	Oxidized Rhiz	zospheres on Living Ro	ots (C3) Saturation	n Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Drift Deposits (B3)	☐ Presence of F	Reduced Iron (C4)		or Stressed Plants (D1)
□ Iron Deposits (B5) □ Thin Muck Surface (C7) □ Shallow Aquitard (D3) □ Inundation Visible on Aerial Imagery (B7) □ Other (Explain in Remarks) □ Microtopographic Relief (D4) □ Sparsely Vegetated Concave Surface (B8) □ FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes □ No ☑ Depth (inches): □ No ☑	Algal Mat or Crust (B4)	Recent Iron F	Reduction in Tilled Soils	(C6) Geomorp	hic Position (D2)
□ Inundation Visible on Aerial Imagery (B7) □ Other (Explain in Remarks) □ Microtopographic Relief (D4) □ Sparsely Vegetated Concave Surface (B8) □ FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes □ No ☑ Depth (inches): □ Water Table Present? Yes □ No ☑ Depth (inches): □ Saturation Present? Yes ☑ No □ Depth (inches): 13 Wetland Hydrology Present? Yes □ No ☑ Depth (inches): □ No ☑ Depth (inches): 13 Wetland Hydrology Present? Yes □ No ☑ Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4).					
Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Metland Hydrology Present? Yes No Depth (inches): 13 Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4).					. , ,
Field Observations: Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): 13 Wetland Hydrology Present? Yes No Secribe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4).		<u> </u>			
Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4).		је (Бо)		☐ FAC-Neu	tiai rest (D3)
Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): 13 Wetland Hydrology Present? Yes No Depth (inches): 13 Wetland Hydrology Present? Yes No Depth (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4).		Denth (inches):			
Saturation Present? Yes No Depth (inches): 13 Wetland Hydrology Present? Yes No Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4).		_ · · · / —			
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4).		· · · / ——			
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4).		Deptif (inches). 15		Wetland Hydrology Prese	nt? Yes No
(Exhibit 3), and Aerial Photos (Exhibit 4).	, , , , , , , , , , , , , , , , , , , ,	oring well, aerial photos, prev	/ious inspections), if ava	ailable: Topo Map (Exhibit 1	1), WWI Map (Exhibit 2), Soils Map
Remarks: No wetland hydrology indicators observed,					
Remarks: No wetland hydrology indicators observed,					
	Remarks: No wetland hydrology indicators	observed,			

<u>Tree Stratum</u> (Plot size: <u>30' radius</u>)	Absolute <u>% Cover</u>	Dominant Species?	Indicator Status	Dominance Test worksheet:
1	<u> 70 00vei</u>		<u>Otatus</u>	Number of Dominant Species
2				That are OBL, FACW, or FAC: 1 (A)
3				Total Number of Dominant
4				Species Across All Strata: <u>2</u> (B)
5				
				Percent of Dominant Species That Are OBL, FACW, or FAC: 50% (A/B)
6				Prevalence Index worksheet:
7				
	<u>0</u>	= Total Cove	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)	_		=. 0	OBL species x 1 =
1. Lonicera x bella	<u>2</u>		<u>FACU</u>	FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
	<u>2</u>	= Total Cove	er	☐ Rapid Test for Hydrophytic Vegetation ☐ Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)				☐ Prevalence Index is ≤3.0¹
1. Ambrosia trifida	<u>25</u>		<u>FAC</u>	Morphological Adaptations¹ (Provide supporting
2. Chenopodium album	<u>15</u>	\boxtimes	<u>FACU</u>	data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain)
3. Persicaria maculosa	<u>8</u>		FAC	
	<u>2</u>	П	<u>FACU</u>	¹ Indicators of hydric soil and wetland hydrology must
4. <u>Galium aparine</u>			FACU	Be present, unless disturbed or problematic.
5. <u>Parthenocissus inserta</u>	<u>2</u>		<u>FACU</u>	Definitions of Vegetation Strata:
6				
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb - All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>52</u>	= Total Cove	er	Woody vines – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30' radius)				height
1				
2				
3				Hydrophytic
4				Vegetation
	<u>0</u>	= Total Cove	er	Present? Yes ☐ No ☒
Remarks: (include photo number here or on a separate sheet	.) Agricultura			

OIL									Sampling Point: 97
Profile Des	scription: (Describe t	o the dep	th needed to docu	ment the indi	cator or cor	firm the a	bsence o	f indicators.)	
Depth	Matrix			Redox Featu	ıres		_		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks
0-7	10YR 2/1	100					Silt loan	n	Dredge spoil
7-13	10YR 2/1	70					Silt loan	n	Dredge spoil with mixing
	2.5Y 4/2	20	10YR 4/6	10	С	PL M			
13-23	10YR 2/1	95	7.5YR 3/4	5	C	PL M	Silt loan	n	
23-29	10YR 4/2	85	5YR 3/4	15	C	PL M	Clay loa	ım	
							· 		
¹Type: C=0	Concentration, D=Dep	letion RM	-Reduced Matrix 1	JS= Masked S	and Grains		2	ocation: PL=Pore	Lining M-Matrix
	il Indicators:	iotion, rtivi		VIO- Maskea O	ana Oramo				ematic Hydric Soils³:
-	Histosol (A1)		□ P	olyvalue Belov	v Surface (S	8) (LRR R ,		☐ 2 cm Muck (A	A10) (LRR K, L, MLRA 149B)
	Histic Epipedon (A2)			MLRA 149	,				Redox (A16) (LLR K, L, R)
_	Black Histic (A3) Hydrogen Sulfide (A4)			hin Dark Surfa			(149B)		Peat or Peat (S3) (LLR K, L, R)
	Stratified Layers (A5)			oamy Mucky M		LKK K, L)			(S7) (LRR K, L) low Surface (S8) (LRR K , L)
☐ Stratified Layers (A5) ☐ Loamy Gleyed Matrix (F2) ☐ Polyvalue Below Surface (S8) (LRR K, L) ☐ Depleted Below Dark Surface (A11) ☐ Depleted Matrix (F3) ☐ Thin Dark Surface (S9) (LRR K, L)									
☐ Thick Dark Surface (A12) ☐ Redox Dark Surface (F6) ☐ Iron-Manganese Masses (F12) (LRR K, L, R)									
□ Sandy Mucky Mineral (S1) □ Depleted Dark Surface (F7) □ Piedmont Floodplain Soils (F19) (MLRA 149B)									
	Sandy Gleyed Matrix (S4)	□ R	Redox Depressi	ons (F8)				(TA6) (MLRA 144A, 145, 149B)
	Sandy Redox (S5) Stripped Matrix (S6)							Red Parent M	` ,
 ☐ Stripped Matrix (S6) ☐ Dark Surface (S7) (LRR R, MLRA 149B) ☐ Other (Explain in Remarks) 									
									,
	of Hydrophytic vegeta		etland hydrology m	ust be present	unless dist	urbed or pr	oblematic	•	
	e Layer (if observed):	:						uluia Cail Busanet	2 Var 🗆 Na 🕅
	 h (inches):						ну	dric Soil Present	? Yes □ No ⊠
	,	file appe	ar to be dredge s	poil material	from ditchir	ng in adiad	cent strea	am channel. Red	dox features noted in 7-13 inch
									efore, the Redox Dark Surface
	ator does not apply.	,				0 .			·

WETLAND DETERMINA	TION DATA FO	RM - Northcent	tral and Northeast I	Region
Project/Site: Hickory Hill Farms - Mitigation Bank Area		e of Sussex/Waukesha		Sampling Date: <u>5-20-2019</u>
Applicant/Owner:			State: WI	Sampling Point: 98
Investigator(s): <u>Chris Jors, Jen Dietl, and Shane Heyel: SE</u> Landform (hillslope, terrace, etc.): <u>low terrace/depression</u>			W Quarter, Section 21, T8N none): flat/slightly concave	
Subregion (LRR or MLRA): LRR K	Lat:	•	,	010pc (70). <u>0 270</u>
Soil Map Unit Name: Brookston silt loam (BsA)				sification: F0Kf
Are climatic/hydrologic conditions on the site typical for this		•	f no, explain in Remarks)	
Are Vegetation, Soil, or Hydrology signifi Are Vegetation, Soil, or Hydrology natura			ances" present? Yes 🛛 iy answers in Remarks.)	No 🗆
SUMMARY OF FINDINGS – Attach site map			•	nt features, etc
Attach site map			, transcots, importar	it routures, etc.
Hydrophytic Vegetation Present? ⊠Yes □		s the Sampled Area	_	_
Hydric Soils Present?	INO	vithin a Wetland?	⊠ Yes	□No
Wetland Hydrology Present? ☐ Yes ☐	No I		0% ID. DOA 40	
Remarks: (Explain alternative procedures here or in a se		yes, optional Wetland S		
Remarks. (Explain alternative procedures here of in a se	parate report.) 30-da	ty antecedent precipit	tation is normal.	
HYDROLOGY				
Wetland Hydrology Indicators:			Secondary Indicat	tors (minimum of two required)
Primary Indicators (minimum of one is required; check all	that apply)		☐ Surface Soil	Cracks (B6)
Surface Water (A1)	☐ Water-Stained Le	eaves (RO)	☐ Drainage Pa	
_ 	Aquatic Fauna (E		☐ Moss Trim Li	
	Marl Deposits (B			Water Table (C2)
Water marks (B1)				
Sediment Deposits (B2)		pheres on Living Roots (· · · · · · · · · · · · · · · · · · ·	/isible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Red			tressed Plants (D1)
		uction in Tilled Soils (C6	· —	Position (D2)
	Thin Muck Surface			, ,
	Other (Explain in	i Remarks)		aphic Relief (D4)
Sparsely Vegetated Concave Surface (B8) Field Observations:			☐ FAC-Neutral	Test (D5)
	th (inches):			
	th (inches): 22			
·	th (inches): 0 (at surface	(6)	. (I I I I I	N V M N- M
(includes capillary fringe)	in (inches). <u>o (at suna</u>	we we	etland Hydrology Present?	P Yes⊠ No □
Describe Recorded Data (stream gauge, monitoring well,	aerial photos, previou	ıs inspections), if availab	ble: Topo Map (Exhibit 1), \	WWI Map (Exhibit 2), Soils Map
(Exhibit 3), Aerial Photos (Exhibit 4), and NAIP/FSA Imag	ges (Exhibit 12).			
D I NAID/EQA improved the constitution of the	I 14	-1	i= 40t -f 40 (4000() i:	
Remarks: NAIP/FSA image review found the sampl antecedent precipitation. The sample site is in a fla		_		_
Spring Creek. However, the geomorphic position (I		•		_
Recent Iron Reduction in Tilled Soils (C6) indicator	•	•		-
		animing and dopan or is	aot imago oo ala ilot 20 al	

Tree Stratum (Plot size: 30' radius)	Absolute <u>% Cover</u>	Dominant Species?	Indicator Status	Dominance Test worksheet:
1	70 COVEL		Status	Number of Dominant Species
				That are OBL, FACW, or FAC: 2 (A)
2				
3				Total Number of Dominant Species Across All Strata: 2 (B)
4				Opedes Across All Strata.
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 100% (A/B)
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				
				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A = Hydrophytic Vegetation Indicators:
7				Rapid Test for Hydrophytic Vegetation
	<u>0</u>	= Total Cove	er	☑ Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)				☐ Prevalence Index is ≤3.0¹
1. Ambrosia trifida	<u>8</u>	\boxtimes	FAC	☐ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
2. <u>Veronica peregrina</u>	<u>3</u>	\boxtimes	<u>FAC</u>	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3. Chenopodium album	<u>2</u>		<u>FACU</u>	
4. Impatiens capensis	<u>2</u>		<u>FACW</u>	Indicators of hydric soil and wetland hydrology must Be present, unless disturbed or problematic.
	_			be present, unless disturbed of problematic.
5				Definitions of Vegetation Strata:
6				_
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub - Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>15</u>	= Total Cove	er	
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in height
1				Tiolght .
2.				
2				
3		_		Hydrophytic Vegetation
4		<u></u>		Present? Yes ⊠ No □
Demandra, Vischilde electe acceptant and acceptant about	<u>0</u>	= Total Cove		
Remarks: (include photo number here or on a separate sheet) Atypicai (i	larmed) wellan	ia.	

OIL								Sampling Point: <u>98</u>
Profile Des	scription: (Describe t	o the dep	th needed to doc	ument the indi	cator or cor	nfirm the a	bsence of indicators.)	
Depth	Matrix			Redox Feat	ures			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-5	10YR 2/1	100					Silt loam	
5-12	10YR 2/1	97	10YR 4/6	3	С	PL M	Silt loam	
12-19	N 2.5/	80	7.5YR 3/4	20	С	PL M	Muck	
19-25	10YR 4/2	80	10YR 4/6	8	С	PL M	Clay loam	with shells and decomposing
	10YR 6/2	12						dolomite
			_			-	-	
						•		
						•		
			-			-		
¹Type: C=0	Concentration, D=Dep	letion, RM	=Reduced Matrix,	MS= Masked S	and Grains		² Location: PL=Pore	Lining, M=Matrix
-	I Indicators:							ematic Hydric Soils³:
	Histosol (A1)			Polyvalue Belov		8) (LRR R ,		(10) (LRR K, L, MLRA 149B)
	Histic Epipedon (A2) Black Histic (A3)			MLRA 149 Thin Dark Surfa	,	DD MIDA		Redox (A16) (LLR K, L, R) Peat or Peat (S3) (LLR K, L, R)
	Hydrogen Sulfide (A4)			Loamy Mucky N	. , .			(S7) (LRR K, L)
	Stratified Layers (A5)			Loamy Gleyed I		, ,		low Surface (S8) (LRR K, L)
	Depleted Below Dark			Depleted Matrix				rface (S9) (LRR K, L)
	Thick Dark Surface (Redox Dark Su				ese Masses (F12) (LRR K, L, R)
	Sandy Mucky Mineral Sandy Gleyed Matrix (Depleted Dark S Redox Depress				odplain Soils (F19) (MLRA 149B) (TA6) (MLRA 144A, 145, 149B)
	Sandy Gleyed Matrix (Sandy Redox (S5)	34)	Ш	Redux Depress	10115 (F0)		Red Parent M	
	Stripped Matrix (S6)							Dark Surface (TF12)
	Dark Surface (S7) (LR	R R, MLR	(A 149B)					n in Remarks)
31 1' 1	a C. D. Januari, and Carriage and Carriage	Cara and o	and a seal be released as seen				ala la constru	
	of Hydrophytic vegeta Layer (if observed)		etiand nydrology r	nust be present	, uniess disti	urbea or pr	oblematic.	
	:	•					Hydric Soil Present	? Yes⊠ No □
	n (inches):						Tryuno don ricochi	. 165 🖾 116 🗀
Remarks:	,							

WETLAND DETERMINATION DAT			•			
	: Village of Sussex/Waukesh		Sampling Date: 5-20-2019			
Applicant/Owner: Investigator(s): Chris Jors, Jen Dietl, and Shane Heyel: SEWRPC	Section Township Pange:	State: WI SW Quarter, Section 21, T8N	Sampling Point: 99			
Landform (hillslope, terrace, etc.): <u>depression</u>	Local relief (concave, conve		Slope (%): <u>0-3%</u>			
Subregion (LRR or MLRA): <u>LRR K</u>	Lat: Long:	· -	5.5p5 (75). <u>5.575</u>			
Soil Map Unit Name: Lamartine silt loam (LmB)			ssification: F0Kf			
Are climatic/hydrologic conditions on the site typical for this time of year?		(If no, explain in Remarks)				
Are Vegetation_X_, Soil, or Hydrology significantly disturbe		stances" present? Yes	No ⊠			
Are Vegetation, Soil, or Hydrology naturally problemation	c? (If, needed, explain a	any answers in Remarks.)				
SUMMARY OF FINDINGS – Attach site map showing sa	ampling point locatior	ns, transects, importa	nt features, etc.			
Hydrophytic Vegetation Present? ☐ Yes ☐ No	Is the Sampled Area					
Hydric Soils Present?	within a Wetland?	⊠ Yes	□No			
Wetland Hydrology Present? ☐ Yes ☐ No						
, 3,	If yes, optional Wetland	d Site ID: PCA 13				
Remarks: (Explain alternative procedures here or in a separate report.)	90-day antecedent preci	pitation is normal. The sar	mple site had significantly			
disturbed vegetation due to farming.						
HYDROLOGY						
Wetland Hydrology Indicators:		Secondary Indica	ators (minimum of two required)			
Primary Indicators (minimum of one is required; check all that apply)		☐ Surface Soil	l Cracks (B6)			
☐ Surface Water (A1) ☐ Water-St	ained Leaves (B9)		atterns (B10)			
	Fauna (B13)	☐ Moss Trim L				
		·				
	posits (B15)		Water Table (C2)			
☐ Water marks (B1) ☐ Hydroger	n Sulfide Odor (C1)	Crayfish Bu				
Sediment Deposits (B2) Oxidized	Rhizospheres on Living Roo	<u> </u>	Visible on Aerial Imagery (C9)			
☐ Drift Deposits (B3) ☐ Presence	e of Reduced Iron (C4)	· '				
□ Water marks (B1) □ Hydroger □ Sediment Deposits (B2) □ Oxidized □ Drift Deposits (B3) □ Presence □ Algal Mat or Crust (B4) □ Recent Ir □ Iron Deposits (B5) □ Thin Muc	ron Reduction in Tilled Soils (· · · · · · · · · · · · · · · · · · ·	Position (D2)			
☐ Iron Deposits (B5) ☐ Thin Muc	ck Surface (C7)	Shallow Aqu	uitard (D3)			
☐ Inundation Visible on Aerial Imagery (B7) ☐ Other (Ex	xplain in Remarks)	Microtopogr	aphic Relief (D4)			
Sparsely Vegetated Concave Surface (B8)		FAC-Neutra	l Test (D5)			
Field Observations:			, ,			
Surface Water Present? Yes 🗌 No 🛛 Depth (inches):						
Water Table Present? Yes ⊠ No ☐ Depth (inches): 23	<u>.5</u>					
Saturation Present? Yes ⊠ No ☐ Depth (inches): 0 ((surface)	Wetland Hydrology Present	? Yes⊠ No □			
(includes capillary fringe)		,				
Describe Recorded Data (stream gauge, monitoring well, aerial photos,	previous inspections), if avai	ilable: Topo Map (Exhibit 1),	WWI Map (Exhibit 2), Soils Map			
(Exhibit 3), and Aerial Photos (Exhibit 4).						
D I NAID/FOA improved to the control of	. de the treatment and a second con-	:- 40t -f 40 (4000/)				
Remarks: NAIP/FSA image review found the sample site area e	_		_			
antecedent precipitation. The sample site is in a depression just		_				
However, geomorphic position, indicator D2, is not checked due						
Iron Reduction in Tilled Soils (C6) indicator not checked since ti	ming and depth of last till	age could not be determine	eu.			

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1	<u>/0 COVEL</u>		<u>Otatus</u>	Number of Dominant Species
2				That are OBL, FACW, or FAC: 1 (A)
3				Total Number of Dominant
4				Species Across All Strata: <u>2</u> (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 50% (A/B)
7				Prevalence Index worksheet:
··- <u></u>	<u>0</u>	= Total Cove		
Conline (Chrish Christian (Diet einer 20) redice)	<u>=</u>	= Total Cove	71	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)		П		OBL species $\underline{0}$ x1 = $\underline{0}$
1				FACW species $\underline{0}$ x 2 = $\underline{0}$
2	-			FAC species $8 \times 3 = 24$
3				FACU species $8 \times 4 = 32$
4				UPL species $\underline{0}$ x 5 = $\underline{0}$
5	-			Column Totals: <u>16</u> (A) <u>56</u> (B)
6				Prevalence Index = B/A = 3.5
7				Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation
	<u>0</u>	= Total Cove	er	☐ Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)		_		☐ Prevalence Index is ≤3.0¹
1. Chenopodium album	<u>8</u>	\boxtimes	<u>FACU</u>	☐ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
2. <u>Veronica peregrina</u>	<u>5</u>	\boxtimes	<u>FAC</u>	□ Problematic Hydrophytic Vegetation¹ (Explain)
3. Ambrosia trifida	<u>2</u>		<u>FAC</u>	¹ Indicators of hydric soil and wetland hydrology must
4. Acer negundo	<u>1</u>		FAC	Be present, unless disturbed or problematic.
5				
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Canling/about Washinglants less than 3's DDI
10	·			Sapling/shrub – Woody plants less than 3in. DBH and greater than 3.28 ft (1 m) tall.
11.	·			
12				Herb – All herbaceous (non-woody) plants, regardless
12	<u>16</u>	= Total Cove		of size, and woody plants less than 3.28 ft tall.
Moody Vino Stratum (Plot size: 20' radius)	<u>10</u>	- Total Cove	71	Woody vines – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30' radius)		П		height
1		_		
2				
3		Ц		Hydrophytic
4		<u> </u>		Vegetation Present? Yes ⊠ No □
Describes (include whate quark as how a garden has to	<u>0</u>	= Total Cove		
Remarks: (include photo number here or on a separate sheet, and has hydric soils and is therefore determined to be v				
and has nyano some and is instructed assertimed to so t	Totalia With	i oigimioanii y	alotalboa II,	yaropriyuo vogotationi / ttypicai (tarinoa) wotana.

Profile De	scription: (Describe t	o the dep	oth needed to docu	ment the indi	icator or coi	nfirm the a	bsence of indicators.)		
Depth	Matrix			Redox Feat	ures		_		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Re	emarks
)-5	10YR 2/1	100					Silt loam		
5-12	10YR 2/1	96	2.5Y 5/4	4	C	PL M	Silt loam		
2-18	2.5Y 4/1	80	10YR 5/6	8	C	PL M	Clay loam		
	2.5Y 5/2	12	· 						
18-24	5Y 5/2	85	10YR 5/6	15	C	PL M	Clay loam		
		-							
		-							
			-						
	·	-							
	· .	-							
	Concentration, D=Dep	letion, RM	1=Reduced Matrix, N	/IS= Masked S	Sand Grains		² Location: PL=Pore L		
-	il Indicators: Histosol (A1)			olyvalue Belov	w Surface (C	9) // DD D	Indicators for Proble	matic Hydric S	
	Histic Epipedon (A2)		∐ P	MLRA 149	•	o) (LKK K,		Redox (A16) (LL	
	Black Histic (A3)		□ T	hin Dark Surfa	,	R R, MLRA	149B)	eat or Peat (S3)) (LLR K, L, R)
	Hydrogen Sulfide (A4))		oamy Mucky N		(LRR K, L)		S7) (LRR K, L)	
	Stratified Layers (A5) Depleted Below Dark	Surface		oamy Gleyed lepleted Matrix				ow Surface (S8) ace (S9) (LRR	
	Thick Dark Surface (A			edox Dark Su					2) (LRR K, L, R)
	Sandy Mucky Mineral	(S1)		epleted Dark	Surface (F7)		☐ Piedmont Floo	dplain Soils (F1	19) (MLRA 149B)
	Sandy Gleyed Matrix (Sandy Redox (S5)	(S4)	□ R	edox Depress	sions (F8)		☐ Mesic Spodic (☐ Red Parent Ma		44A, 145, 149B)
	Stripped Matrix (S6)							Dark Surface (T	F12)
	Dark Surface (S7) (LF	RR R, MLF	RA 149B)				Other (Explain		,
la dia atara	of Lludrophytic vocato	tion and w	uation dibudrala au m	uat ha praaant	t unlana diat		ahlamatia		
	of Hydrophytic vegeta e Layer (if observed)		veliand hydrology m	ust be present	i, uriless dist	urbed or pro	obiematic.		
	:						Hydric Soil Present?	Yes ⊠	No 🗆
Dept	h (inches):								
Remarks:									

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: <u>5-20-2019</u> Project/Site: Hickory Hill Farms - Mitigation Bank Area City/County: Village of Sussex/Waukesha County Sampling Point: 100 Applicant/Owner: State: WI Investigator(s): Chris Jors, Jen Dietl, and Shane Heyel: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): hillslope Local relief (concave, convex, none): linear Slope (%): 0-3% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Lamartine silt loam (LmB) NWI classification: F0Kf Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? ⊠No □Yes within a Wetland? ☐ Yes ⊠No ⊠Yes □No Hydric Soils Present? ⊠No Wetland Hydrology Present? □Yes If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. Sample site is on the edge of the cropped field which is the WWI-mapped wetland boundary. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) П П ☐ Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) ☐ Presence of Reduced Iron (C4) Drift Deposits (B3) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) \Box Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No 🖂 Depth (inches): _ Water Table Present? Yes \boxtimes Depth (inches): _ No Saturation Present? Yes No 🖂 Depth (inches): Wetland Hydrology Present? Yes No 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4). Remarks: Recent Iron Reduction in Tilled Soils (C6) indicator not checked since timing and depth of last tillage could not be determined. No wetland hydrology indicators observed.

VEGETATION – Use scientific names of plants. Sampling Point: 100 Absolute **Dominant** Indicator **Dominance Test worksheet:** Tree Stratum (Plot size: 30' radius) % Cover Species? <u>Status</u> 1. ____ **Number of Dominant Species** That are OBL, FACW, or FAC: <u>0</u> (A) 2. ____ 3. ____ **Total Number of Dominant** Species Across All Strata: 1 (B) 4. ____ 5. ____ Percent of Dominant Species That Are OBL, FACW, or FAC: 0% (A/B) 6. ____ Prevalence Index worksheet: 0 = Total Cover Total % Cover of: Multiply by: Sapling/Shrub Stratum (Plot size: 30' radius) **OBL** species x 1 = 1. _____ **FACW** species x 2 =2. ____ FAC species x3 =3. ____ **FACU** species x 4 =4. ____ **UPL** species x 5 = Column Totals: (A) (B) 6. Prevalence Index = B/A = **Hydrophytic Vegetation Indicators:** 7. ____ ☐ Rapid Test for Hydrophytic Vegetation 0 = Total Cover ☐ Dominance Test is >50% Herb Stratum (Plot size: 5' radius) ☐ Prevalence Index is ≤3.01 ☐ Morphological Adaptations¹ (Provide supporting \boxtimes <u>12</u> **FACU** 1. Chenopodium album data in Remarks or on a separate sheet) 2 **FACU** 2. Erigeron annuus ☐ Problematic Hydrophytic Vegetation¹ (Explain) NI (UPL) 2 3. Setaria sp. ¹ Indicators of hydric soil and wetland hydrology must Be present, unless disturbed or problematic. 5. _____ **Definitions of Vegetation Strata:** 6. ____ Tree - Woody plants 3in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height 8. ____ \Box 9. ____ Sapling/shrub - Woody plants less than 3in. DBH 10. ____ and greater than 3.28 ft (1 m) tall. 11. _____ **Herb** – All herbaceous (non-woody) plants, regardless \Box 12. ____ of size, and woody plants less than 3.28 ft tall. 16 = Total Cover **Woody vines** – All woody vines greater than 3.28 ft in Woody Vine Stratum (Plot size: 30' radius) height 2. 3. ____ Hydrophytic Vegetation 4. ____ Present? No 🛛 Yes 0 = Total Cover Remarks: (include photo number here or on a separate sheet.) Agricultural field.

OIL								Sampling Point: 100
Profile Des	scription: (Describe t	o the dep	th needed to docu	ment the indi	cator or con	firm the a	bsence of indicators.)	
Depth	Matrix			Redox Featu	ıres			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-8	10YR 2/1	95	10YR 4/6	5	С	М	Silt loam	
8-18	5Y 5/2	50	7.5YR 4/6	25	С	PL M	Clay loam	
			10YR 5/6	25	С	PL M		
18-24	5Y 6/2	80	7.5YR 4/6	20	С	PL M	Clay loam	with dolomite
	Concentration, D=Depl	letion, RM	=Reduced Matrix, I	MS= Masked S	and Grains		² Location: PL=Pore I	•
-	I Indicators: Histosol (A1)			Polyvalue Below	Curtoso (C	0\ /I DD D	Indicators for Proble	ematic Hydric Soils ³ : 10) (LRR K, L, MLRA 149B)
_	Histic Epipedon (A2)		∐ F	MLRA 149E	•	o) (LKK K,		Redox (A16) (LLR K, L, R)
	Black Histic (A3)		П 1	hin Dark Surfa	,	R R, MLRA		Peat or Peat (S3) (LLR K, L, R)
	Hydrogen Sulfide (A4)			oamy Mucky M		LRR K, L)		(S7) (LRR K, L)
	Stratified Layers (A5) Depleted Below Dark S	Curfoco (A		oamy Gleyed No Depleted Matrix				ow Surface (S8) (LRR K, L)
	Thick Dark Surface (A			Redox Dark Su				face (S9) (LRR K, L) ese Masses (F12) (LRR K, L, R)
	Sandy Mucky Mineral			Depleted Dark S				odplain Soils (F19) (MLRA 149B)
	Sandy Gleyed Matrix ((S4)	□ F	Redox Depressi	ons (F8)			(TA6) (MLRA 144A, 145, 149B)
	Sandy Redox (S5) Stripped Matrix (S6)						Red Parent M	laterial (F21) Dark Surface (TF12)
	Silipped Matrix (36) Dark Surface (S7) (LR	R R. MLR	(A 149B)				Other (Explain	
_	· / ·	,	,				_	,
	of Hydrophytic vegeta		etland hydrology m	ust be present,	unless distu	urbed or pro	oblematic.	
Restrictive Type:	Layer (if observed)	:					Unadala Call Duana au 10	No. 7
	 n (inches):						Hydric Soil Present?	? Yes⊠ No □
Remarks:	- (moneo):							

WETLAND DETERMIN	IATION DATA F	FORM - Northc	entral and No	rtheast Reg	gion
Project/Site: Hickory Hill Farms - Mitigation Bank Area	City/County: Vill	age of Sussex/Wauke	-		mpling Date: <u>5-20-2019</u>
Applicant/Owner:	05/4/000	Con Townskin Donn	State: WI		mpling Point: 101
Investigator(s): <u>Chris Jors, Jen Dietl, and Shane Heyel:</u> Landform (hillslope, terrace, etc.): <u>depression</u>		tion, Township, Range al relief (concave, con			<u>9E</u> pe (%): <u>2-6%</u>
Subregion (LRR or MLRA): <u>LRR K</u>		Long: _			po (70). <u>= 070</u>
Soil Map Unit Name: Theresa silt loam (ThB)				NWI classifica	ation: <u>None</u>
Are climatic/hydrologic conditions on the site typical for the		Yes ⊠ No □	(If no, explain in F		No. 🗆
Are Vegetation, Soil, or Hydrology sigr Are Vegetation, Soil, or Hydrology nati			mstances" present? n any answers in Re		No 🗌
SUMMARY OF FINDINGS – Attach site ma			•	ŕ	eatures, etc.
	p chowing camp		,,	- Important re	
Hydrophytic Vegetation Present? ☐ Yes [□No	Is the Sampled Are			
	□No	within a Wetland?	×	Yes	□No
Wetland Hydrology Present?	□No	If yes, optional Wetla	and Sita ID: DCA 1/	1	
Remarks: (Explain alternative procedures here or in a	separate report.) 90-				
rtemane. (Explain atomative procedures note of in a	coparato roporti, co	day amooddom pro	orphanol to home	ω	
HYDROLOGY					
Wetland Hydrology Indicators:			Secon	ndary Indicators	(minimum of two required)
Primary Indicators (minimum of one is required; check	all that apply)			Surface Soil Crac	cks (B6)
☐ Surface Water (A1)		d Leaves (B9)		Drainage Pattern	
High Water Table (A2)	Aquatic Fauna			Moss Trim Lines	
Saturation (A3)	☐ Marl Deposits			Dry-Season Wate	
Water marks (B1)		fide Odor (C1)		Crayfish Burrows	
☐ Water marks (B1)☐ Sediment Deposits (B2)☐ Drift Deposits (B3)		ospheres on Living Ro			e on Aerial Imagery (C9)
Drift Deposits (B3)		Reduced Iron (C4)		Stunted or Stress	
Algal Mat or Crust (B4)		eduction in Tilled Soils		Geomorphic Po	
☐ Iron Deposits (B5)	☐ Thin Muck Su			Shallow Aquitard	, ,
Inundation Visible on Aerial Imagery (B7)	Other (Explain			Microtopographic	,
□ Sparsely Vegetated Concave Surface (B8)		,	· 	FAC-Neutral Tes	, ,
Field Observations:				710 11041141 100	// (50)
Surface Water Present? Yes ☐ No ☒ De	epth (inches):				
Water Table Present? Yes ⊠ No □ De	epth (inches): <u>18.5</u>				
Saturation Present? Yes ⊠ No □ De	epth (inches): <u>0 (at su</u>	rface)	Wetland Hydrolog	gy Present?	Yes⊠ No □
(includes capillary fringe)					
Describe Recorded Data (stream gauge, monitoring we (Exhibit 3), and Aerial Photos (Exhibit 4).	ell, aerial photos, prev	ious inspections), if av	railable: Topo Map	(Exhibit 1), WWI	Map (Exhibit 2), Soils Map
(EXHIBIT 3), and Aerial Photos (Exhibit 4).					
Remarks: The sample site is in a pothole depress	sion. Recent Iron Re	eduction in Tilled So	oils (C6) indicator	not checked si	nce timing and depth of
last tillage could not be determined.			, ,		

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator <u>Status</u>	Dominance Test worksheet:
1	76 COVEL		Status	Number of Dominant Species
				That are OBL, FACW, or FAC: 1 (A)
2				
3				Total Number of Dominant Species Across All Strata: 1 (B)
4				
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 100% (A/B)
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3	-			FACU species x 4 =
4				UPL species x 5 =
5	·		· · · · · · · · · · · · · · · · · · ·	Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
r	<u> </u>	= Total Cover		☐ Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5' radius)	<u>u</u>	= Total Cover		Dominance Test is >50% Prevalence Index is ≤3.0¹
	<u>15</u>	\boxtimes	FAC	☐ Morphological Adaptations¹ (Provide supporting
1. Veronica peregrina				data in Remarks or on a separate sheet)
2. Acer negundo	<u>2</u>		<u>FAC</u>	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3. Rorripa palustris	<u>1</u>		<u>OBL</u>	¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5				
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10		П		and greater than 3.28 ft (1 m) tall.
11.		-		
12				Herb – All herbaceous (non-woody) plants, regardless
12.	<u>18</u>	= Total Cover	. —	of size, and woody plants less than 3.28 ft tall.
Manda Vina Chahura (Diataina 20) andius)	10	= Total Cover		Woody vines – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30' radius)				height
1	-	Ц		
2				
3		<u> </u>		Hydrophytic
4				Vegetation Present? Yes ⊠ No □
	<u>0</u>	= Total Cover		Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet	.) Atypical (f	armed) wetland	d.	

Depth	cription. (Describe to	o the dep	tn needed t	to doc	ument the indi		itirm the a	osence o	of indicators.)			
	Matrix				Redox Feat	ures		_				
inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		Texture	R	emarks	3
5	10YR 3/1	100						Silt loar	m			
19	10YR 3/1	95	10YR 4/3		5	C	PL M	Silt loar	n			
-22	2.5Y 4/1	97	7.5YR 3/4	,	3	С	PL M	Clay loa	am	with dolomite		
+			-				-			Refusal: Dolo	mite/ro	cks
				-								
			-									
			-									
							-	-				
			-				-	-				
/pe: C=C	Concentration, D=Depl	letion, RM	=Reduced I	Matrix,	MS= Masked S	and Grains		² L	ocation: PL=Pore	Lining, M=Matr	ix	
	Indicators:								dicators for Proble			
	Histosol (A1) Histic Epipedon (A2)				Polyvalue Belov MLRA 149		B) (LRR R ,			10) (LRR K, L, Redox (A16) (L		
	Black Histic (A3)			П.	Thin Dark Surfa	,	R MIRA	149R)		Peat or Peat (S		
	Hydrogen Sulfide (A4)				Loamy Mucky N			1430)		(S7) (LRR K, L		· (1 , L , (1)
	Stratified Layers (A5)				Loamy Gleyed I	Matrix (F2)	,		☐ Polyvalue Bel	ow Surface (S8	(LRR	K, L)
	Depleted Below Dark S		\11)		Depleted Matrix					face (S9) (LRR		
	Thick Dark Surface (A [.] Sandy Mucky Mineral (Redox Dark Su Depleted Dark S					ese Masses (F1 odplain Soils (F		
	Sandy Mucky Milleral (Sandy Gleyed Matrix (Redox Depress					(TA6) (MLRA		
	Sandy Redox (S5)	- 1,		_		(1 -)			☐ Red Parent M		,	, , , , ,
	Stripped Matrix (S6)									Dark Surface (TF12)	
	Dark Surface (S7) (LR	R R, MLR	(A 149B)						Other (Explain	n in Remarks)		
ndicators c	of Hydrophytic vegetat	tion and w	vetland hvdr	ology r	must be present	. unless distu	urbed or pro	oblematic	:.			
	Layer (if observed):			37		,			<u>- </u>			
Type:	Dolomite/rocks							Hy	dric Soil Present	? Yes ⊠	No	
Depth	n (inches): 21											
marks:												

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: <u>5-20-2019</u> Project/Site: Hickory Hill Farms - Mitigation Bank Area City/County: Village of Sussex/Waukesha County Sampling Point: 102 Applicant/Owner: __ State: WI Investigator(s): Chris Jors, Jen Dietl, and Shane Heyel: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): hillslope Local relief (concave, convex, none): linear Slope (%): 0-3% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Lamartine silt loam (LmB) NWI classification: None Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? □No ⊠Yes within a Wetland? ☐ Yes ⊠No ⊠No Hydric Soils Present? □Yes ⊠No Wetland Hydrology Present? □Yes If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) ☐ Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) П ☐ Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) ☐ Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Algal Mat or Crust (B4) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No 🖂 Depth (inches): __ Water Table Present? Yes \boxtimes Depth (inches): _ No Saturation Present? Yes 🛛 No 🗌 Depth (inches): 18 Wetland Hydrology Present? Yes No 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4). Remarks: No wetland hydrology indicators observed.

VEGETATION – Use scientific names of plants. Sampling Point: 102 Absolute **Dominant** Indicator **Dominance Test worksheet:** Tree Stratum (Plot size: 30' radius) % Cover Species? <u>Status</u> 1. ____ **Number of Dominant Species** That are OBL, FACW, or FAC: <u>1</u> (A) 2. ____ 3. ____ **Total Number of Dominant** Species Across All Strata: 1 (B) 4. ____ 5. ____ Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B) 6. ____ Prevalence Index worksheet: 0 = Total Cover Total % Cover of: Multiply by: Sapling/Shrub Stratum (Plot size: 30' radius) **OBL** species x 1 = 1. _____ **FACW** species x 2 =2. ____ FAC species x3 =3. ____ **FACU** species x 4 =4. ____ **UPL** species x 5 = Column Totals: (A) (B) 6. Prevalence Index = B/A = **Hydrophytic Vegetation Indicators:** 7. ____ ☐ Rapid Test for Hydrophytic Vegetation 0 = Total Cover □ Dominance Test is >50% Herb Stratum (Plot size: 5' radius) ☐ Prevalence Index is ≤3.01 ☐ Morphological Adaptations¹ (Provide supporting \boxtimes <u>65</u> FAC 1. Veronica peregrina data in Remarks or on a separate sheet) 3 **FACU** 2. Chenopodium album ☐ Problematic Hydrophytic Vegetation¹ (Explain) 2 **FAC** 3. Acer negundo ¹ Indicators of hydric soil and wetland hydrology must \Box 2 **FACU** 4. Erigeron annuus Be present, unless disturbed or problematic. 2 **FACU** 5. Poa pratensis **Definitions of Vegetation Strata:** 6. ____ 7. ____ Tree - Woody plants 3in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height \Box 9. ____ Sapling/shrub - Woody plants less than 3in. DBH 10. ____ and greater than 3.28 ft (1 m) tall. 11. _____ **Herb** – All herbaceous (non-woody) plants, regardless \Box 12. ____ of size, and woody plants less than 3.28 ft tall. 74 = Total Cover Woody vines – All woody vines greater than 3.28 ft in Woody Vine Stratum (Plot size: 30' radius) height 2. 3. ____

= Total Cover

0

Remarks: (include photo number here or on a separate sheet.) Agricultural field.

4. ____

Yes 🖂

No 🗌

Hydrophytic

Vegetation

Present?

SOIL Sampling Point: 102

OIL									Sampling Po	int: <u>102</u>
Profile Des	scription: (Describe to	o the dep	th needed to doc	ument the indi	cator or cor	nfirm the a	bsence of indicat	ors.)		
Depth	Matrix			Redox Feat	ures					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	 Texture		Re	emarks
0-9	10YR 3/2	100					Silt loam		vith small grav	el
9-15	10YR 3/1	97	10YR 4/4	3	C	PL M	Silt loam		vith small grav	
15-24	10YR 4/1	85	10YR 4/6	15		PL M	Clay Ioam			
							<u> </u>			
	·		_							-
	·									
		-								
			-							
1Tupo: C-(Concentration, D=Depl	lotion DM	L-Daduaad Matrix	MS- Maakad S	and Crains		21 continu	DI _Doro Lin	ning, M=Matrix	
	il Indicators:	elion, Kiv	=Reduced Matrix,	IVIS= IVIASKEU S	and Grains				natic Hydric S	
-	Histosol (A1)			Polyvalue Belov	w Surface (S	8) (LRR R ,) (LRR K, L, N	
	Histic Epipedon (A2)		_	MLRA 149		, ,			edox (A16) (LL	
	Black Histic (A3)			Thin Dark Surfa	. , .					(LLR K, L, R)
	Hydrogen Sulfide (A4)			Loamy Mucky N		LRR K, L)			(7) (LRR K, L)	
	Stratified Layers (A5) Depleted Below Dark S	Surface (4		Loamy Gleyed I Depleted Matrix					v Surface (S8) ce (S9) (LRR I	
	Thick Dark Surface (A			Redox Dark Su						?) (LRR K, L, R)
	Sandy Mucky Mineral			Depleted Dark S				-		9) (MLRA 149B)
	Sandy Gleyed Matrix (S4)	☐ F	Redox Depress	ions (F8)					44A, 145, 149B)
	Sandy Redox (S5)							Parent Mate		E40)
	Stripped Matrix (S6) Dark Surface (S7) (LR	RR MIR	2Δ 149R)					r (Explain ir	ark Surface (TI n Remarks)	F12)
	Dain Gariago (G7) (Ert		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					or (Explain ii	ritomanto,	
³ Indicators	of Hydrophytic vegetat	tion and v	etland hydrology n	nust be present	, unless dist	urbed or pr	oblematic.			
	Layer (if observed):	:								
	:						Hydric Soil	Present?	Yes 🗌	No 🛛
	h (inches):									
Remarks: N	No hydric soil indicat	ors obse	rvea.							

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: <u>5-20-2019</u> Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 103 Applicant/Owner: _ State: WI Investigator(s): Chris Jors, Jen Dietl, and Shane Heyel: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): slight hillslope Local relief (concave, convex, none): linear Slope (%): 0-3% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Lamartine silt loam (LmB) NWI classification: *F0Kf Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area ⊠Yes Hydrophytic Vegetation Present? ПNо within a Wetland? ☐ Yes ⊠No □No Hydric Soils Present? ⊠Yes ⊠No Wetland Hydrology Present? □Yes If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. Sample site is on the WWImapped wetland boundary. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) ☐ Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) П П ☐ Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) ☐ Presence of Reduced Iron (C4) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Algal Mat or Crust (B4) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) \boxtimes Field Observations: Surface Water Present? Yes No 🖂 Depth (inches): _ Water Table Present? Yes 🛛 No 🗌 Depth (inches): 21 Saturation Present? Yes 🛛 No 🗌 Depth (inches): 0 (surface) to 5 and at 14 Wetland Hydrology Present? Yes No 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4). Remarks: Recent Iron Reduction in Tilled Soils (C6) indicator not checked since timing and depth of last tillage could not be determined. Only one secondary wetland hydrology indicator observed.

VEGETATION – Use scientific names of plants. Sampling Point: 103 Absolute **Dominant** Indicator **Dominance Test worksheet:** Tree Stratum (Plot size: 30' radius) % Cover Species? <u>Status</u> 1. ____ \Box **Number of Dominant Species** That are OBL, FACW, or FAC: 3 (A) 2. ____ 3. ____ **Total Number of Dominant** Species Across All Strata: 3 (B) 4. ____ 5. ____ Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B) 6. ____ Prevalence Index worksheet: 0 = Total Cover Total % Cover of: Multiply by: Sapling/Shrub Stratum (Plot size: 30' radius) **OBL** species x 1 = 1. _____ **FACW** species x 2 =2. ____ FAC species x3 =3. ____ **FACU** species x 4 =4. ____ **UPL** species x 5 = Column Totals: (A) (B) 6. Prevalence Index = B/A = **Hydrophytic Vegetation Indicators:** 7. ____ ☐ Rapid Test for Hydrophytic Vegetation 0 = Total Cover □ Dominance Test is >50% Herb Stratum (Plot size: 5' radius) ☐ Prevalence Index is ≤3.01 ☐ Morphological Adaptations¹ (Provide supporting \boxtimes 2 FAC 1. Veronica peregrina data in Remarks or on a separate sheet) 1 \boxtimes **OBL** 2. Ranunculus sceleratus ☐ Problematic Hydrophytic Vegetation¹ (Explain) 1 \boxtimes OBL 3. Rorripa palustris ¹ Indicators of hydric soil and wetland hydrology must \Box Be present, unless disturbed or problematic. 5. _____ **Definitions of Vegetation Strata:** 6. ____ Tree - Woody plants 3in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height 8. ____ \Box 9. ____ Sapling/shrub - Woody plants less than 3in. DBH 10. ____ and greater than 3.28 ft (1 m) tall. 11. _____ **Herb** – All herbaceous (non-woody) plants, regardless \Box 12. ____ of size, and woody plants less than 3.28 ft tall. 4 = Total Cover **Woody vines** – All woody vines greater than 3.28 ft in Woody Vine Stratum (Plot size: 30' radius) height 2. 3. ____ Hydrophytic Vegetation 4. ____ Present? No 🗌 Yes 🖂 0 = Total Cover Remarks: (include photo number here or on a separate sheet.) Agricultural field.

Sampling Point: 103

Remarks Matrix ric Soils³: , L, MLRA 149B) 6) (LLR K, L, R) (S3) (LLR K, L, R)
Matrix ric Soils³: , L, MLRA 149B) S) (LLR K, L, R)
ric Soils³: , L, MLRA 149B) 6) (LLR K, L, R)
ric Soils³: , L, MLRA 149B) 6) (LLR K, L, R)
ric Soils³: , L, MLRA 149B) 6) (LLR K, L, R)
ric Soils³: , L, MLRA 149B) 6) (LLR K, L, R)
ric Soils³: , L, MLRA 149B) 6) (LLR K, L, R)
ric Soils³: , L, MLRA 149B) 6) (LLR K, L, R)
ric Soils³: , L, MLRA 149B) 6) (LLR K, L, R)
ric Soils³: , L, MLRA 149B) 6) (LLR K, L, R)
ric Soils³: , L, MLRA 149B) 6) (LLR K, L, R)
ric Soils³: , L, MLRA 149B) 6) (LLR K, L, R)
ric Soils³: , L, MLRA 149B) 6) (LLR K, L, R)
ric Soils³: , L, MLRA 149B) 6) (LLR K, L, R)
ric Soils³: , L, MLRA 149B) 6) (LLR K, L, R)
ric Soils³: , L, MLRA 149B) 6) (LLR K, L, R)
(LLR K, L, R)
K, L)
(S8) (LRR K, L)
LRR K, L)
(F12) (LRR K, L, R) s (F19) (MLRA 149B
RA 144A, 145, 149B)
)
ce (TF12)
s)
⊠ No □

WETLAND DETERMINATION DA	ATA FORM – Northo	entral and Northeast	Region
Project/Site: <u>Hickory Hill Farms, Inc.</u> City/Cour Applicant/Owner:	nty: <u>Village of Sussex/Wauke</u>	e <u>sha County</u> State: <u>WI</u>	Sampling Date: 5-20-2019 Sampling Point: 104
Investigator(s): Chris Jors, Jen Dietl, and Shane Heyel: SEWRPC Landform (hillslope, terrace, etc.): slight depression Subregion (LRR or MLRA): LRR K Soil Map Unit Name: Lamartine silt loam (LmB)	Section, Township, Range Local relief (concave, con Lat: Long: _	Datum: NWI cla	N-R19E Slope (%): <u>0-3%</u> assification: <u>F0Kf</u>
Are climatic/hydrologic conditions on the site typical for this time of year Are Vegetation, Soil, or Hydrology significantly distu Are Vegetation, Soil, or Hydrology naturally problem SUMMARY OF FINDINGS – Attach site map showing	rbed? Are "Normal Circulatic? (If, needed, explain	(If no, explain in Remarks) imstances" present? Yes ⊠ in any answers in Remarks.) ons. transects, importa	
Hydrophytic Vegetation Present?	Is the Sampled Are within a Wetland?	ra ⊠ Yes	□No
Remarks: (Explain alternative procedures here or in a separate repo		and Site ID: PCA 13	
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary Indic	ators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)		☐ Surface So	oil Cracks (B6)
Surface Water (A1) Water	-Stained Leaves (B9)		Patterns (B10)
	ic Fauna (B13)		Lines (B16)
	Deposits (B15)		n Water Table (C2)
☐ Water marks (B1) ☐ Hydro	gen Sulfide Odor (C1)	Crayfish Bu	
☐ Sediment Deposits (B2) ☐ Oxidiz	ed Rhizospheres on Living R		Visible on Aerial Imagery (C9)
☐ Drift Deposits (B3) ☐ Prese	nce of Reduced Iron (C4)		Stressed Plants (D1)
	nt Iron Reduction in Tilled Soil		ic Position (D2)
	Muck Surface (C7)	□ Shallow Aq	,
	(Explain in Remarks)		raphic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	. ,		ral Test (D5)
Field Observations:		<u>_</u>	
Surface Water Present? Yes No No Depth (inches):			
Water Table Present? Yes ⊠ No ☐ Depth (inches):	<u>16</u>		
Saturation Present? Yes ⊠ No □ Depth (inches): (includes capillary fringe)	0 (surface) to 4 and at 8	Wetland Hydrology Present	t? Yes⊠ No □
Describe Recorded Data (stream gauge, monitoring well, aerial photo (Exhibit 3), and Aerial Photos (Exhibit 4).	os, previous inspections), if a	vailable: Topo Map (Exhibit 1)	, WWI Map (Exhibit 2), Soils Map
Remarks: While the site is in a depression, geomorphic positic system (Exhibit 14).Recent Iron Reduction in Tilled Soils (C6) determined.		•	

	Absolute	Dominant	Indicator	B
Tree Stratum (Plot size: 30' radius)	% Cover	Species?	<u>Status</u>	Dominance Test worksheet:
1				Number of Dominant Species That are OBL, FACW, or FAC: <u>1</u> (A)
2				
3				Total Number of Dominant Species Across All Strata: <u>2</u> (B)
4				
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 50% (A/B)
6				Prevalence Index worksheet:
7				
	<u>0</u>	= Total Cov	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species $\underline{5}$ x 1 = $\underline{5}$
1				FACW species $\underline{0}$ x 2 = $\underline{0}$
2				FAC species $\underline{3}$ x 3 = $\underline{9}$
3				FACU species $\underline{3}$ x 4 = $\underline{12}$
4				UPL species $\underline{0}$ x 5 = $\underline{0}$
5				Column Totals: <u>11</u> (A) <u>26</u> (B)
3				Prevalence Index = B/A = <u>2.36</u>
7				Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation
	<u>0</u>	= Total Cov	er	☐ Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)		_		Prevalence Index is ≤3.0¹ Morphological Adoptational (Provide augmenting)
1. <u>Chenopodium album</u>	<u>3</u>	\boxtimes	<u>FACU</u>	☐ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
2. <u>Rorripa palustris</u>	<u>3</u>	\boxtimes	<u>OBL</u>	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3. Ranunculus sceleratus	<u>2</u>		<u>OBL</u>	¹ Indicators of hydric soil and wetland hydrology must
4. <u>Veronica peregrina</u>	<u>2</u>		FAC	Be present, unless disturbed or problematic.
5. <u>Acer negundo</u>	<u>1</u>		<u>FAC</u>	
ô				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Hawk All howbooks (non woods) plants regardless
12				Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
	<u>11</u>	= Total Cov	er	
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in height
1		П		Height
·· <u> </u>				
3.				
				Hydrophytic Vegetation
4	<u> </u>	= Total Cov		Present? Yes ⊠ No □
	<u> </u>	armed) wetla		

Sampling Point: 104

Profile De	scription: (Describe to	o the dep	oth needed to do	cument the ind	icator or co	nfirm the a	bsence of indicators.)	
Depth	Matrix			Redox Feat	tures			
(inches)	Color (moist)	%	Color (moist)) %	Type ¹	Loc ²	Texture	Remarks
)-4	10YR 2/1	100					Silt loam	
I-8	10YR 2/1	95	10YR 4/6	5	C	PL M	Silt loam	
3-22	2.5Y 5/2	80	10YR 4/6	20	C	PL M	Clay loam	
		-					·	
			<u> </u>				·	
			<u>.</u>					
			<u>. </u>					
							-	
							-	
	-		<u>. </u>				·	
Type: C=	Concentration, D=Depl	etion, RN		., MS= Masked S	Sand Grains		² Location: PL=Pore L	 _ining, M=Matrix
	il Indicators:			•			Indicators for Proble	matic Hydric Soils ³ :
	Histosol (A1)			Polyvalue Belov		8) (LRR R ,		10) (LRR K, L, MLRA 149B)
	Histic Epipedon (A2) Black Histic (A3)			MLRA 149 Thin Dark Surfa	,	DD MIDA		Redox (A16) (LLR K, L, R) eat or Peat (S3) (LLR K, L, R)
	Hydrogen Sulfide (A4)			Loamy Mucky				(S7) (LRR K, L)
	Stratified Layers (A5)			Loamy Gleyed	Matrix (F2)	, ,		ow Surface (S8) (LRR K, L)
	Depleted Below Dark			Depleted Matri				face (S9) (LRR K, L)
	Thick Dark Surface (A Sandy Mucky Mineral			Redox Dark St Depleted Dark				se Masses (F12) (LRR K, L, R) adplain Soils (F19) (MLRA 149B
	Sandy Macky Milleral Sandy Gleyed Matrix (Redox Depress				(TA6) (MLRA 144A, 145, 149B)
	Sandy Redox (S5)	- ,	_		(- /		☐ Red Parent Ma	aterial (F21)
	Stripped Matrix (S6)		D.A. 4.40D\					Dark Surface (TF12)
Ш	Dark Surface (S7) (LR	R R, MLI	RA 149B)				Other (Explain	in Remarks)
Indicators	of Hydrophytic vegetat	tion and v	wetland hydrology	must be present	t, unless dist	urbed or pr	oblematic.	
Restrictive	e Layer (if observed):	:						
, ,):						Hydric Soil Present?	Yes ⊠ No □
	h (inches):							
Remarks:								

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: <u>5-20-2019</u> Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 105 Applicant/Owner: ___ State: WI Investigator(s): Chris Jors, Jen Dietl, and Shane Heyel: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): tributary waterway Local relief (concave, convex, none): linear, concave Slope (%): 0-2% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Pella silt loam (Ph) NWI classification: T3K Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No □ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? □No ⊠Yes within a Wetland? □No □No Hydric Soils Present? ⊠Yes □No Wetland Hydrology Present? ⊠Yes If yes, optional Wetland Site ID: PCA 2 Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) ☐ Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) П Water marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Oxidized Rhizospheres on Living Roots (C3) Sediment Deposits (B2) Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) П Recent Iron Reduction in Tilled Soils (C6) Algal Mat or Crust (B4) \boxtimes Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) П Sparsely Vegetated Concave Surface (B8) **FAC-Neutral Test (D5) Field Observations:** Surface Water Present? Yes 🛚 No \square Depth (inches): 6 Water Table Present? No 🗌 Yes Depth (inches): Saturation Present? Yes No \square Depth (inches): Wetland Hydrology Present? Yes 🖂 No \square (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4). Remarks: The sample site is in the stream channel and FEMA-mapped floodway of an unnamed tributary to Spring Creek.

VEGETATION – Use scientific names of plants. Sampling Point: 105 Absolute Dominant Indicator **Dominance Test worksheet:** Tree Stratum (Plot size: 30' radius) % Cover Species? <u>Status</u> 1. ____ \Box **Number of Dominant Species** That are OBL, FACW, or FAC: <u>1</u> (A) 2. ____ 3. ____ **Total Number of Dominant** Species Across All Strata: 1 (B) 4. ____ 5. ____ Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B) 6. ____ Prevalence Index worksheet: 0 = Total Cover Total % Cover of: Multiply by: Sapling/Shrub Stratum (Plot size: 30' radius) **OBL** species x 1 = 1. _____ **FACW** species x 2 =2. ____ FAC species x3 =3. ____ **FACU** species x 4 =4. ____ **UPL** species x 5 = Column Totals: (A) (B) 6. Prevalence Index = B/A = **Hydrophytic Vegetation Indicators:** 7. ____ ☐ Rapid Test for Hydrophytic Vegetation 0 = Total Cover □ Dominance Test is >50% Herb Stratum (Plot size: 5' radius) ☐ Prevalence Index is ≤3.01 ☐ Morphological Adaptations¹ (Provide supporting \boxtimes <u>15</u> **FACW** 1. Impatiens capensis data in Remarks or on a separate sheet) 3 **FACU** 2. Rosa multiflora ☐ Problematic Hydrophytic Vegetation¹ (Explain) 2 **FACU** 3. Alliaria petiolata ¹ Indicators of hydric soil and wetland hydrology must Be present, unless disturbed or problematic. 5. _____ **Definitions of Vegetation Strata:** 6. ____ Tree - Woody plants 3in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height 8. _____ \Box 9. ____ Sapling/shrub - Woody plants less than 3in. DBH 10. ____ and greater than 3.28 ft (1 m) tall. 11. _____ **Herb** – All herbaceous (non-woody) plants, regardless \Box 12. ____ of size, and woody plants less than 3.28 ft tall. 20 = Total Cover **Woody vines** – All woody vines greater than 3.28 ft in Woody Vine Stratum (Plot size: 30' radius) height 2. 3. ____ Hydrophytic Vegetation 4. ____ Present? No 🗌 Yes 🖂 0 = Total Cover Remarks: (include photo number here or on a separate sheet.) Open water of a tributary to Spring Brook.

Profile Des	scription: (Describe to	the depth n	eeded to docu	ment the inc	licator or con	firm the absen	ce of indicators.)	Camping Forms 100
Depth	Matrix			Redox Fea	tures			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
	·							
				_				
								
	· ·				·			
	-			_	-			
¹Type: C=0	Concentration, D=Deple	tion, RM=Re	duced Matrix, N	/IS= Masked	Sand Grains		² Location: PL=Pore I	_ining, M=Matrix
Hydric Soi	I Indicators:						Indicators for Proble	
	Histosol (A1)		☐ P		ow Surface (S	3) (LRR R,		10) (LRR K, L, MLRA 149B)
	Histic Epipedon (A2)			MLRA 149				Redox (A16) (LLR K, L, R)
	Black Histic (A3) Hydrogen Sulfide (A4)				ace (S9) (LRF Mineral (F1) (l	RR, MLRA 149E		eat or Peat (S3) (LLR K, L, R) (S7) (LRR K, L)
	Stratified Layers (A5)			oarny Mucky oamy Gleyed		LKK K, L)		ow Surface (S8) (LRR K, L)
	Depleted Below Dark Si	urface (A11)		epleted Matri				face (S9) (LRR K, L)
	Thick Dark Surface (A12			ledox Dark Si				se Masses (F12) (LRR K, L, R)
	Sandy Mucky Mineral (S				Surface (F7)			odplain Soils (F19) (MLRA 149B)
	Sandy Gleyed Matrix (S			ledox Depres				(TA6) (MLRA 144A , 145 , 149B)
	Sandy Redox (S5)						☐ Red Parent Ma	
	Stripped Matrix (S6)							Dark Surface (TF12)
	Dark Surface (S7) (LRR	R, MLRA 1	49B)					n in Remarks)
3la diantoro	of Lludraphytic variation		ad budralagu m	uat ha nraaan	st unland diete		otio	
	of Hydrophytic vegetation Layer (if observed):	on and wetta	na nyarology m	ust be preser	it, uniess distu	irbea or problem	atic.	
	:						Hydric Soil Present?	Yes⊠ No □
	n (inches):						nyunc son Fresent?	Yes⊠ No □
	Soils inundated with 6	Sinches of v	vater hydric h	ov definition	- Criteria 3		<u> </u>	
ixemarks. C	Jons mandated with c	inches of	vater, riyunc i	by definition	- Ontena 5.			

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: <u>5-20-2019</u> Project/Site: Hickory Hill Farms - Mitigation Bank Area City/County: Village of Sussex/Waukesha County Sampling Point: 106 Applicant/Owner: __ State: WI Investigator(s): Chris Jors, Jen Dietl, and Shane Heyel: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): berm (dredge spoils) Local relief (concave, convex, none): linear, convex Slope (%): 0-2% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Pella silt loam (Ph) NWI classification: None Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No □ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? ПNо ⊠Yes within a Wetland? ☐ Yes ⊠No ⊠No Hydric Soils Present? □Yes ⊠No Wetland Hydrology Present? □Yes If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) П П ☐ Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) ☐ Presence of Reduced Iron (C4) Drift Deposits (B3) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) \Box FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No 🖂 Depth (inches): __ Water Table Present? Yes \boxtimes Depth (inches): _ No Saturation Present? Yes 🛛 No 🗌 Depth (inches): 18 Wetland Hydrology Present? Yes No 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4). Remarks: No wetland hydrology indicators observed.

	Absolute	Dominant	Indicator	
<u>Tree Stratum</u> (Plot size: <u>30' radius</u>)	% Cover	Species?	Status	Dominance Test worksheet:
1. Acer negundo	<u>10</u>		<u>FAC</u>	Number of Dominant Species That are OBL, FACW, or FAC: <u>2</u> (A)
2				
3				Total Number of Dominant
4				Species Across All Strata: <u>3</u> (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 67% (A/B)
7				Prevalence Index worksheet:
	<u>10</u>	= Total Cov	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1. Rhamnus cathartica	<u>3</u>		<u>FAC</u>	FACW species x 2 =
2. Lonicera x bella	<u>1</u>		<u>FACU</u>	FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
	<u>4</u>	= Total Cov	er	Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5' radius)	_			 Dominance Test is >50% Prevalence Index is ≤3.0¹
1. Alliaria petiolata	<u>35</u>	\boxtimes	FACU	Morphological Adaptations ¹ (Provide supporting
Phalaris arundinacea	<u>20</u>	\boxtimes	FACW	data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain)
3. Impatiens capensis	<u>15</u>		FACW	Problematic Hydrophytic vegetation (Explain)
				¹ Indicators of hydric soil and wetland hydrology must
4. Parthenocissus inserta	<u>5</u>		<u>FACU</u>	Be present, unless disturbed or problematic.
5. Ambrosia trifida	<u>3</u>		<u>FAC</u>	Definitions of Vegetation Strata:
6. <u>Cirsium arvense</u>	<u>2</u>		<u>FACU</u>	Definitions of Vegetation Strata.
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>80</u>	= Total Cov	er	
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in height
1. Vitis riparia	<u>3</u>		<u>FAC</u>	noight
2				
3				Livelyombysis
4.				Hydrophytic Vegetation
<u>-</u>	<u>3</u>	= Total Cov		Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet.		= 10tai 00V	GI	
(,			

Depth	Matrix			Redox Fea	turoo		bsence of indicators.)	
		0/	Calar (maio			Loc ²		Damania
inches)	Color (moist)	<u>%</u>	Color (mois	t) %	Type ¹	LOC	Texture	Remarks
10	2.5Y 2.5/1	100	0.57.5/4			- DL M	Silt loam	Dredge spoil
)-15	2.5Y 2.5/1	95	2.5Y 5/4	5	C	PL M	Silt loam	_
5-18	2.5Y 4/1	90	10YR 5/6	5	C	PL M	Clay loam	
			7.5YR 3/4	5	C	PL M		-
3+					·			Refusal: Dolomite/cobbles
					-			
	·				<u> </u>			_
	 		-					
							2	
	Concentration, D=Dep	letion, RM	l=Reduced Matrix	x, MS= Masked	Sand Grains		² Location: PL=Pore	
	il Indicators: Histosol (A1)			Dobaroluo Pole	ou Surface (S	0\ /I DD D		lematic Hydric Soils ³ :
	Histic Epipedon (A2)		Ц	Polyvalue Belo MLRA 14		o) (LKK K,		(A10) (LRR K, L, MLRA 149B) e Redox (A16) (LLR K, L, R)
	Black Histic (A3)		П	Thin Dark Surf	,	R R. MLRA		Peat or Peat (S3) (LLR K, L, R)
	Hydrogen Sulfide (A4)		H	Loamy Mucky				e (S7) (LRR K, L)
	Stratified Layers (A5)			Loamy Gleyed	, ,	, ,		elow Surface (S8) (LRR K, L)
	Depleted Below Dark	Surface (A	\11)	Depleted Matr	ix (F3)			urface (S9) (LRR K, L)
	Thick Dark Surface (A			Redox Dark S				nese Masses (F12) (LRR K, L, R)
	Sandy Mucky Mineral			Depleted Dark				oodplain Soils (F19) (MLRA 149
	Sandy Gleyed Matrix ((S4)		Redox Depres	sions (F8)			ic (TA6) (MLRA 144A, 145, 149B
	Sandy Redox (S5)							Material (F21)
	Stripped Matrix (S6) Dark Surface (S7) (LR	DD MID	0 A 140P\					w Dark Surface (TF12) ain in Remarks)
	Dark Surface (57) (LR	K K, WILI	KA 149D)				☐ Other (Expia	am in Remarks)
	of Hydrophytic vegeta	tion and v	vetland hydrology	must be preser	nt, unless dist	urbed or pr	oblematic.	
naicators			, ,,			•		
	e Layer (if observed)	:						
estrictive		:					Hydric Soil Presen	t? Yes ☐ No ⊠
estrictive Type Dept	e Layer (if observed) b: Dolomite/cobbles th (inches): 18						Hydric Soil Presen	t? Yes ☐ No ⊠
estrictive Type Dept	e Layer (if observed) e: Dolomite/cobbles		erved.				Hydric Soil Presen	t? Yes ☐ No ⊠
estrictive Type Dept	e Layer (if observed) b: Dolomite/cobbles th (inches): 18		erved.				Hydric Soil Presen	t? Yes ☐ No ⊠
estrictive Type Dept	e Layer (if observed) b: Dolomite/cobbles th (inches): 18		erved.				Hydric Soil Presen	t? Yes □ No ⊠
estrictive Type Dept	e Layer (if observed) b: Dolomite/cobbles th (inches): 18		erved.				Hydric Soil Presen	t? Yes □ No ⊠
estrictive Type Dept	e Layer (if observed) b: Dolomite/cobbles th (inches): 18		erved.				Hydric Soil Presen	t? Yes □ No ⊠
estrictive Type Dept	e Layer (if observed) b: Dolomite/cobbles th (inches): 18		erved.				Hydric Soil Presen	t? Yes □ No ⊠
estrictive Type Dept	e Layer (if observed) b: Dolomite/cobbles th (inches): 18		erved.				Hydric Soil Presen	t? Yes □ No ⊠
estrictive Type Dept	e Layer (if observed) b: Dolomite/cobbles th (inches): 18		erved.				Hydric Soil Presen	t? Yes □ No ⊠
estrictive Type Dept	e Layer (if observed) b: Dolomite/cobbles th (inches): 18		erved.				Hydric Soil Presen	t? Yes □ No ⊠
estrictive Type Dept	e Layer (if observed) b: Dolomite/cobbles th (inches): 18		erved.				Hydric Soil Presen	t? Yes □ No ⊠
estrictive Type Dept	e Layer (if observed) b: Dolomite/cobbles th (inches): 18		erved.				Hydric Soil Presen	t? Yes □ No ⊠
estrictive Type Dept	e Layer (if observed) b: Dolomite/cobbles th (inches): 18		erved.				Hydric Soil Presen	t? Yes □ No ⊠
estrictive Type Dept	e Layer (if observed) b: Dolomite/cobbles th (inches): 18		erved.				Hydric Soil Presen	t? Yes □ No ⊠
estrictive Type Dept	e Layer (if observed) b: Dolomite/cobbles th (inches): 18		erved.				Hydric Soil Presen	t? Yes □ No ⊠
estrictive Type Dept	e Layer (if observed) b: Dolomite/cobbles th (inches): 18		erved.				Hydric Soil Presen	t? Yes □ No ⊠
estrictive Type Dept	e Layer (if observed) b: Dolomite/cobbles th (inches): 18		erved.				Hydric Soil Presen	t? Yes □ No ☑
estrictive Type Dept	e Layer (if observed) b: Dolomite/cobbles th (inches): 18		erved.				Hydric Soil Presen	t? Yes □ No ⊠
estrictive Type Dept	e Layer (if observed) b: Dolomite/cobbles th (inches): 18		erved.				Hydric Soil Presen	t? Yes □ No ⊠
estrictive Type Dept	e Layer (if observed) b: Dolomite/cobbles th (inches): 18		erved.				Hydric Soil Presen	t? Yes □ No ⊠
estrictive Type Dept	e Layer (if observed) b: Dolomite/cobbles th (inches): 18		erved.				Hydric Soil Presen	t? Yes □ No ☑
estrictive Type Dept	e Layer (if observed) b: Dolomite/cobbles th (inches): 18		erved.				Hydric Soil Presen	t? Yes □ No ☑
strictive Type Dept	e Layer (if observed) b: Dolomite/cobbles th (inches): 18		erved.				Hydric Soil Presen	t? Yes □ No ☑

WETLAND DETE	RMINATION DATA	FORM - Northce	entral and Northeas	t Region
Project/Site: <u>Hickory Hill Farms - Mitigation Ban</u> Applicant/Owner:	k Area City/County: Vi	illage of Sussex/Waukes	sha Count <u>y</u> State: <u>WI</u>	Sampling Date: <u>5-20-2019</u> Sampling Point: <u>107</u>
Investigator(s): Chris Jors, Jen Dietl, and Shane	e Heyel: SEWRPC Se	ction, Township, Range	: SW Quarter, Section 21, T	
Landform (hillslope, terrace, etc.): depression		cal relief (concave, conv	, 	Slope (%): <u>0-2%</u>
Subregion (LRR or MLRA): LRR K Soil Map Unit Name: Pella silt loam (Ph)	La	t: Long:		lassification: S3/E2K
Are climatic/hydrologic conditions on the site typ	ical for this time of year?	Yes ⊠ No □	(If no, explain in Remarks)	iassilication. <u>55/LZR</u>
Are Vegetation, Soil, or Hydrology _	significantly disturbed?		nstances" present? Yes	⊠ No □
Are Vegetation, Soil, or Hydrology _	naturally problematic?	(If, needed, explain	any answers in Remarks.)	
SUMMARY OF FINDINGS – Attach s	ite map showing sam	pling point location	ons, transects, import	ant features, etc.
Hydrophytic Vegetation Present? ⊠Yes	□No	Is the Sampled Area	1	
Hydric Soils Present?	□No	within a Wetland?	⊠ Yes	□No
Wetland Hydrology Present? ☐ Yes	□No			
		If yes, optional Wetla		
Remarks: (Explain alternative procedures here	e or in a separate report.) 90)-day antecedent pred	cipitation is normal.	
HYDROLOGY			O a see also a lead	
Wetland Hydrology Indicators:			Secondary Indi	icators (minimum of two required)
Primary Indicators (minimum of one is required	; check all that apply)		☐ Surface S	oil Cracks (B6)
Surface Water (A1)	Water-Staine	ed Leaves (B9)	Drainage	Patterns (B10)
High Water Table (A2)	Aquatic Faur	na (B13)		n Lines (B16)
Saturation (A3)	Marl Deposit	s (B15)		on Water Table (C2)
Water marks (B1)	Hydrogen Su	ulfide Odor (C1)	Crayfish E	Burrows (C8)
☐ Water marks (B1)☐ Sediment Deposits (B2)☐ Drift Deposits (B3)	Oxidized Rhi	izospheres on Living Ro	ots (C3)	n Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of	Reduced Iron (C4)	Stunted o	r Stressed Plants (D1)
☐ Algal Mat or Crust (B4)	Recent Iron	Reduction in Tilled Soils		hic Position (D2)
Iron Deposits (B5)	Thin Muck S	urface (C7)	Shallow A	quitard (D3)
Inundation Visible on Aerial Imagery	(B7) Other (Expla	in in Remarks)	Microtopo	graphic Relief (D4)
☐ Sparsely Vegetated Concave Surface	ce (B8)			tral Test (D5)
Field Observations:				
Surface Water Present? Yes ☐ No	_ · · · / 			
	Depth (inches): 21			
Saturation Present? Yes ⊠ No (includes capillary fringe)	Depth (inches): 0 (at s	surface)	Wetland Hydrology Prese	nt? Yes⊠ No □
Describe Recorded Data (stream gauge, monit	oring well, aerial photos, pre	vious inspections), if av	ailable: Topo Map (Exhibit 1). WWI Map (Exhibit 2). Soils Map
(Exhibit 3), and Aerial Photos (Exhibit 4).		, ,,	1 1 (
Remarks: Sample site is in a broad depres	ssion within the FEMA-ma	apped floodplain of ar	unnamed tributary to Sp	ring Creek.

	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: 30' radius)	% Cover	Species?	<u>Status</u>	Dominance Test worksheet:
1. Acer negundo	<u>5</u>	\boxtimes	<u>FAC</u>	Number of Dominant Species
2				That are OBL, FACW, or FAC: <u>5</u> (A)
3		П		Total Number of Dominant
4				Species Across All Strata: <u>5</u> (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 100% (A/B)
7				Prevalence Index worksheet:
	<u>5</u>	= Total Cov	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1. Salix interior	<u>20</u>	\boxtimes	FACW	FACW species x 2 =
2. Acer negundo	<u>10</u>	\boxtimes	FAC	FAC species x 3 =
				·
3				' <u>—</u> —
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
	<u>30</u>	= Total Cov	er	Rapid Test for Hydrophytic Vegetation Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)				☐ Prevalence Index is ≤3.0¹
1. Impatiens capensis	<u>40</u>	\boxtimes	FACW	☐ Morphological Adaptations¹ (Provide supporting
	<u>35</u>	\boxtimes	FAC	data in Remarks or on a separate sheet)
2. <u>Urtica dioica</u>				☐ Problematic Hydrophytic Vegetation¹ (Explain)
3. Phalaris arundinacea	<u>15</u>		<u>FACW</u>	¹ Indicators of hydric soil and wetland hydrology must
4. Alliaria petiolata	<u>5</u>		<u>FACU</u>	Be present, unless disturbed or problematic.
5. Equisetum arvense	<u>3</u>		<u>FAC</u>	
6. <u>Hackelia virginiana</u>	<u>3</u>		<u>FACU</u>	Definitions of Vegetation Strata:
7. Ambrosia trifida	<u>2</u>		FAC	Tree – Woody plants 3in. (7.6 cm) or more in diameter
·	_			at breast height (DBH), regardless of height
8				
9				Sapling/shrub – Woody plants less than 3in. DBH
				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>103</u>	= Total Cov	er	
Woody Vine Stratum (Plot size: 30' radius)				1
,		П		neignt
'		-		
2		블		
3		ш		Hydrophytic
4				
	<u>0</u>	= Total Cov	er	Present? Yes 🗵 No 📋
Remarks: (include photo number here or on a separate sheet	.) Fresh (we	t) meadow wi	th scattered	lowland shrubs.
10 11 12 Woody Vine Stratum (Plot size: 30' radius) 1 2 3 4	 <u>0</u>	= Total Cov	 er	and greater than 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height Hydrophytic Vegetation Present? Yes ⊠ No □

SOIL										Sampling Po	oint: <u>107</u>	
Profile Des	scription: (Describe t	o the dep	th needed	to doc	cument the indi	icator or con	firm the a	bsence	e of indicators.)			
Depth	Matrix				Redox Feat	ures						
(inches)	Color (moist)	%	Color (moist)) %	Type ¹	Loc ²	_	Texture	Re	emarks	
0-3	5Y 2.5/1	100			<u> </u>			Silt lo	oam			
3-12	5Y 2.5/1	97	10YR 4/2		3		M	Silt lo	oam			
12-18	10YR 4/1	90	10YR 4/6		10		PL M	Clay				
18-24	10YR 4/1	85	7.5YR 4/6		15		PL M	Clay				
			-				-					
									<u> </u>			
			-									
¹Type: C=0	Concentration, D=Dep	letion, RM	=Reduced I	Matrix	, MS= Masked S	Sand Grains			² Location: PL=Pore L	ining, M=Matrix	Κ	
	I Indicators:				•				Indicators for Proble			
	Histosol (A1)				Polyvalue Belov		B) (LRR R ,		2 cm Muck (A1			
	Histic Epipedon (A2)				MLRA 149	,	D MIDA	440B)	Coast Prairie R			
	Black Histic (A3) Hydrogen Sulfide (A4)				Thin Dark Surfa Loamy Mucky M			(1496)	5 cm Mucky Pe			∟, K)
	Stratified Layers (A5)				Loamy Gleyed		, _,		☐ Polyvalue Belo	, , , , , ,		L)
	Depleted Below Dark		(A11)		Depleted Matrix				Thin Dark Surfa			
	Thick Dark Surface (A				Redox Dark Su				☐ Iron-Manganes			
	Sandy Mucky Mineral Sandy Gleyed Matrix (Depleted Dark Redox Depress				☐ Piedmont Floo ☐ Mesic Spodic (
	Sandy Redox (S5)	04)			redux Depress	10113 (1 0)			Red Parent Ma		11 7, 110,	1430)
□ :	Stripped Matrix (S6)								☐ Very Shallow D	Dark Surface (T	F12)	
	Dark Surface (S7) (LR	R R, MLR	(A 149B)						☐ Other (Explain	in Remarks)		
³ Indicators	of Hydrophytic vegeta	tion and w	etland hydr	ology	must be present	t unless distr	irbed or pr	oblema	tic			
	Layer (if observed)		<u> </u>	0.09)		.,	оса с. р.	1				
Type:	: <u></u>								Hydric Soil Present?	Yes ⊠	No 🗌	
Depth	h (inches):											
Remarks:												

WETLAND DETERMINATION DA	ATA FORM - Northce	ntral and Northeast F	Region
	nty: Village of Sussex/Waukes		Sampling Date: <u>5-20-2019</u>
Applicant/Owner:	Continu Toumphin Dongo	State: WI	Sampling Point: 108
Investigator(s): <u>Chris Jors, Jen Dietl, and Shane Heyel: SEWRPC</u> Landform (hillslope, terrace, etc.): <u>hillslope</u>	Local relief (concave, conve	NW Quarter, Section 28, T8N	Slope (%): <u>0-3%</u>
Subregion (LRR or MLRA): LRR K	Lat: Long:	·	Giope (76). <u>6-676</u>
Soil Map Unit Name: Lamartine silt loam (LmB)			sification: None
Are climatic/hydrologic conditions on the site typical for this time of year	ar? Yes⊠ No 🗆	(If no, explain in Remarks)	
Are Vegetation, Soil, or Hydrology significantly distur		nstances" present? Yes 🖂	No 🗆
Are Vegetation, Soil, or Hydrology naturally problem	atic? (If, needed, explain	any answers in Remarks.)	
SUMMARY OF FINDINGS – Attach site map showing	sampling point location	ns, transects, importan	nt features, etc.
Hudraghatia Varatatian Dassant2	Is the Sampled Area		
Hydrophytic Vegetation Present?	within a Wetland?	⊠ Yes	□No
Wetland Hydrology Present?		_	_
Welland Hydrology Freeding.	If yes, optional Wetlan	nd Site ID: PCA 15	
Remarks: (Explain alternative procedures here or in a separate repo			
(,,		
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary Indicat	tors (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)		☐ Surface Soil	Cracks (B6)
☐ Surface Water (A1) ☐ Water-	-Stained Leaves (B9)	☐ Drainage Pat	` '
	c Fauna (B13)	☐ Moss Trim Li	
			,
Saturation (A3)	eposits (B15)		Water Table (C2)
	gen Sulfide Odor (C1)	☐ Crayfish Bu	rrows (C8)
Sediment Deposits (B2) Oxidiz	ed Rhizospheres on Living Roc	ots (C3) Saturation V	/isible on Aerial Imagery (C9)
☐ Drift Deposits (B3) ☐ Preser	nce of Reduced Iron (C4)	☐ Stunted or St	tressed Plants (D1)
Algal Mat or Crust (B4) Recen	t Iron Reduction in Tilled Soils	(C6) Geomorphic	Position (D2)
	luck Surface (C7)	Shallow Aqui	itard (D3)
	(Explain in Remarks)		aphic Relief (D4)
	(Explain in Remarks)		. ,
Sparsely Vegetated Concave Surface (B8) Field Observations:		☐ FAC-Neutral	Test (D5)
Water Table Present? Yes No Depth (inches):	_		
Saturation Present? Yes No Depth (inches):	0 (at surface)	Wetland Hydrology Present?	Yes⊠ No □
(includes capillary fringe)		7 1 1 T 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	A((A(() A(() A(() A(() A(() A(() A(() A
Describe Recorded Data (stream gauge, monitoring well, aerial photo		illable: Topo Map (Exhibit 1), V	WWI Map (Exhibit 2), Soils Map
(Exhibit 3), Aerial Photos (Exhibit 4), and NAIP/FSA Images (Exhibit	12).		
Remarks: NAIP/FSA image review found the sample site area	exhibited wetness signatur	es in 8 out of 10 (80%) ima	nges taken with normal
antecedent precipitation. The sample site is on a slightly conv	9	, ,	•
Spring Creek, and has shallow groundwater/seepage. Recen			•
of last tillage could not be determined.	t non reduction in Timed Ge	ms (00) maleator not encor	ica since tiriling and deptir
or last tillage could not be determined.			

VEGETATION – Use scientific names of plants. Sampling Point: 108 Absolute Dominant Indicator **Dominance Test worksheet:** Tree Stratum (Plot size: 30' radius) % Cover Species? <u>Status</u> Number of Dominant Species

2		Ш		
3				Total Number of Dominant
4				Species Across All Strata: <u>1</u> (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 100% (A/B)
				Prevalence Index worksheet:
·· ···	<u>0</u>	= Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)	_	= 10tal 00101		
		П		
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6			-	Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation
	<u>0</u>	= Total Cover		☐ Rapid Test for Hydrophytic Vegetation ☐ Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)				☐ Prevalence Index is ≤3.0¹
1. <u>Veronica peregrina</u>	<u>20</u>	\boxtimes	FAC	☐ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
2. Acer negundo	<u>2</u>		<u>FAC</u>	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3				
4				Indicators of hydric soil and wetland hydrology must Be present, unless disturbed or problematic.
5				Do prosont, unloss distarbed of problematic.
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height
8				at broadt noight (BBH), regardeds of noight
9				Sapling/shrub – Woody plants less than 3in. DBH
10	—			and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>22</u>	= Total Cover		Woody vines – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30' radius)				height
1				
2				
3				Hydrophytic
4				Vegetation
	<u>0</u>	= Total Cover		Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet.) A	typical	(farmed) wetland.		

Sampling Point: 108

% Ccc 97 10YR 85 10YR 90 10YR	4/6 4/6	edox Features	Type¹ C C	PL M	3 Silt loam Clay loam Clay loam		with dolomite a	emarks
97 10YR 85 10YR	4/6 4/6	3 15	C	PL M S	Silt loam Clay loam			
85 10YR	4/6	15	С	PL M	Clay loam		with dolomite a	
· 							with dolomite a	
90 10YR	4/6	10	С	PL M	Clay loam		with dolomite s	
							with dolornite a	and gravel
letion RM-Redu	ced Matrix MS-	Masked Sand	1 Grains		21.00	ation: PI =Pore	Lining M-Matrix	<i>Y</i>
Totion, revi=reduce	cca matrix, mo=	Wasked Cark	Joianis					
x Surface (A11) (12) (S1) (S4) RR R, MLRA 149E	☐ Thin☐ Loam☐ Loam☐ Deple☐ Redo☐ Redo☐	Dark Surface by Mucky Mine by Gleyed Mat eted Matrix (I by Dark Surfa eted Dark Surfa by Depressions	eral (F1) (LI rix (F2) F3) ce (F6) race (F7) s (F8)	RR K, L)	49B)	5 cm Mucky P Dark Surface Polyvalue Bele Thin Dark Sur Iron-Mangane Piedmont Floo Mesic Spodic Red Parent M Very Shallow	reat or Peat (S3) (S7) (LRR K, L) ow Surface (S8) face (S9) (LRR se Masses (F12 odplain Soils (F1 (TA6) (MLRA 1 aterial (F21) Dark Surface (T	(LLR K, L, F (LRR K, L) K, L) (CLRR K, L, 9) (MLRA 14 44A, 145, 145
	nyarology must i	be present, ur	iless distur	bed of prob	nematic.			
•					Hydi	ic Soil Present?	P Yes ⊠	No 🗆
							_	_
)) k Surface (A11) (12) (S1) (S4) RR R, MLRA 149	Polyve Thin Loam Loam Loam Loam Rt Surface (A11) Redo RR R, MLRA 149B)	Polyvalue Below Si MLRA 149B) Thin Dark Surface Loamy Mucky Mine Loamy Gleyed Mat K Surface (A11) Redox Dark Surfa (S1) Depleted Dark Surfa (S4) RRRR, MLRA 149B) Attion and wetland hydrology must be present, ur	MLRA 149B) Thin Dark Surface (S9) (LRR IIII) Loamy Mucky Mineral (F1) (LIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Thin Dark Surface (S9) (LRR R, MLRA 1 Loamy Mucky Mineral (F1) (LRR K, L) Loamy Gleyed Matrix (F2) State Surface (A11) Redox Dark Surface (F6) (S1) Depleted Dark Surface (F7) (S4) RR R, MLRA 149B) Attion and wetland hydrology must be present, unless disturbed or prob	Polyvalue Below Surface (S8) (LRR R, MLRA 149B)	Indicators for Proble Polyvalue Below Surface (S8) (LRR R,	Indicators for Problematic Hydric S Polyvalue Below Surface (S8) (LRR R,

WETLAN	D DETERMIN	IATION DATA	A FORM – Northo	entral and No	rtheast Reg	ion
Project/Site: Hickory Hill Farms - Mitig	gation Bank Area	City/County: \(\)	Village of Sussex/Wauke			pling Date: <u>5-20-2019</u>
Applicant/Owner:	and Chana Haval	SEW/BBC S	Section Township Bong	State: WI		pling Point: <u>109</u>
Investigator(s): Chris Jors, Jen Dietl, Landform (hillslope, terrace, etc.): hill			Section, Township, Range ocal relief (concave, con			<u>E</u> Slope (%): 0-3%
Subregion (LRR or MLRA): LRR K			.at: Long: _	. ,	:	() <u></u>
Soil Map Unit Name: Lamartine silt lo					NWI classificat	tion: None
Are climatic/hydrologic conditions on t Are Vegetation, Soil, or Hy			Yes ⊠ No □	(If no, explain in imstances" present	·	No 🗆
Are Vegetation, Soil, or Hy				in any answers in R		140
SUMMARY OF FINDINGS – A				•	,	atures, etc.
					•	
Hydrophytic Vegetation Present?		⊠No	Is the Sampled Are within a Wetland?		7.Vaa	MNo
Hydric Soils Present?		⊠No ⊠No	within a wetland?	L	Yes	⊠No
Wetland Hydrology Present?	∐Yes	⊠No	If yes, optional Wetla	and Site ID:		
Remarks: (Explain alternative proce	dures here or in a	separate report.) 9			al.	
			· · · · · · · · · · · · · · · · · · ·			
HYDROLOGY						
Wetland Hydrology Indicators:	-			Seco	ndary Indicators (r	minimum of two required)
Primary Indicators (minimum of one	is required; check	all that apply)			Surface Soil Cracl	ks (B6)
☐ Surface Water (A1)			Drainage Patterns	, ,		
High Water Table (A2)		Aquatic Fat	ned Leaves (B9) una (B13)		Moss Trim Lines (
Saturation (A3)		☐ Marl Depos			Dry-Season Wate	
☐ Water marks (B1)			Sulfide Odor (C1)		Crayfish Burrows	
☐ Water marks (B1)☐ Sediment Deposits (B2)☐ Drift Deposits (B3)			hizospheres on Living R			on Aerial Imagery (C9)
☐ Drift Deposits (B3)			of Reduced Iron (C4)	· · · · · · · · · · · · · · · · · · ·	Stunted or Stresse	
Algal Mat or Crust (B4)			n Reduction in Tilled Soil		Geomorphic Posit	
☐ Iron Deposits (B5)			Surface (C7)		Shallow Aquitard ((D3)
Inundation Visible on Aer	ial Imagery (B7)	Other (Expl	lain in Remarks)		Microtopographic	Relief (D4)
Sparsely Vegetated Conc	cave Surface (B8)			_	FAC-Neutral Test	(D5)
Field Observations:						,
Surface Water Present? Yes [□ No ⊠ De	epth (inches):	_			
Water Table Present? Yes	⊠ No □ De	epth (inches): 21				
Saturation Present? Yes	⊠ No □ De	epth (inches): 14		Wetland Hydrolo	gy Present?	Yes ☐ No ⊠
(includes capillary fringe)					(E. 1.11.11.4) MARAULI	(5.13.10) 0.3.11
Describe Recorded Data (stream ga (Exhibit 3), and Aerial Photos (Exhib		ell, aerial photos, pr	revious inspections), if a	vailable: Topo Map	(Exhibit 1), WWI	Map (Exhibit 2), Soils Map
(Extribit 6), and Morial Protest (Extrib						
Remarks: No wetland hydrology	indicators observ	ved.				

VEGETATION – Use scientific names of plants. Sampling Point: 109 Absolute Dominant Indicator **Dominance Test worksheet:** Tree Stratum (Plot size: 30' radius) % Cover Species? <u>Status</u> 1. ____ \Box **Number of Dominant Species** That are OBL, FACW, or FAC: <u>1</u> (A) 2. ____ 3. ____ **Total Number of Dominant** Species Across All Strata: 2 (B) 4. ____ 5. ____ Percent of Dominant Species That Are OBL, FACW, or FAC: 50% (A/B) 6. ____ Prevalence Index worksheet: 0 = Total Cover Total % Cover of: Multiply by: Sapling/Shrub Stratum (Plot size: 30' radius) **OBL** species x 1 = 1. _____ **FACW** species x 2 =2. ____ FAC species x3 =3. ____ **FACU** species x 4 =4. ____ **UPL** species x 5 = Column Totals: (A) (B) 6. Prevalence Index = B/A = **Hydrophytic Vegetation Indicators:** 7. ____ ☐ Rapid Test for Hydrophytic Vegetation 0 = Total Cover ☐ Dominance Test is >50% Herb Stratum (Plot size: 5' radius) ☐ Prevalence Index is ≤3.01 ☐ Morphological Adaptations¹ (Provide supporting \boxtimes <u>35</u> FAC 1. Veronica peregrina data in Remarks or on a separate sheet) \boxtimes **FACU** <u>10</u> 2. Chenopodium album ☐ Problematic Hydrophytic Vegetation¹ (Explain) 3 **FACU** 3. Erigeron canadensis ¹ Indicators of hydric soil and wetland hydrology must Be present, unless disturbed or problematic. 5. ____ **Definitions of Vegetation Strata:** 6. ____ Tree - Woody plants 3in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height 8. ____ \Box 9. ____ Sapling/shrub - Woody plants less than 3in. DBH 10. ____ and greater than 3.28 ft (1 m) tall. 11. _____ **Herb** – All herbaceous (non-woody) plants, regardless \Box 12. ____ of size, and woody plants less than 3.28 ft tall. 48 = Total Cover **Woody vines** – All woody vines greater than 3.28 ft in Woody Vine Stratum (Plot size: 30' radius) height 2. 3. ____ Hydrophytic Vegetation 4. ____ Present? No 🛛 Yes 0 = Total Cover

Remarks: (include photo number here or on a separate sheet.) Agricultural field.

Profile Des	scription: (Describe t	o the dep	th needed to docu	ment the indi	icator or cor	nfirm the a	bsence of indicators.)		
Depth	Matrix		·	Redox Feat	ures		_		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Re	emarks
)-9	10YR 3/2	100					Silt loam		
9-14	10YR 3/2	95	10YR 4/6	5	C	PL M	Silt loam		
14-19	10YR 4/2	50	10YR 4/6	50	C	PL M	Clay loam		
19-25	2.5Y 5/3	90	10YR 4/6	10	C	PL M	Sandy clay loam		
		-						-	
			-						
	· 								
	· 		-						
	Concentration, D=Depl	letion, RM	I=Reduced Matrix, N	/IS= Masked S	Sand Grains		² Location: PL=Pore		
-	il Indicators: Histosol (A1)			John John Dolov	u Curfoso (C	0\ /! DD D	Indicators for Proble		
	Histic Epipedon (A2)		∐ P	olyvalue Belov MLRA 149		o) (LKK K,		10) (LRR K, L, I Redox (A16) (LL	
	Black Histic (A3)		□ T	hin Dark Surfa	,	R R, MLRA		eat or Peat (S3)	
	Hydrogen Sulfide (A4)			oamy Mucky N	. ,	(LRR K, L)		(S7) (LRR K, L)	
	Stratified Layers (A5) Depleted Below Dark S	Surface (A		oamy Gleyed I Depleted Matrix				ow Surface (S8) face (S9) (LRR	
	Thick Dark Surface (A			Redox Dark Su					2) (LRR K, L, R)
	Sandy Mucky Mineral	(S1)	□ D	epleted Dark S	Surface (F7)		☐ Piedmont Floo	odplain Soils (F1	19) (MLRA 149B)
	Sandy Gleyed Matrix (S4)	□ R	Redox Depress	sions (F8)				44A, 145, 149B)
	Sandy Redox (S5) Stripped Matrix (S6)						☐ Red Parent M ☐ Very Shallow	aienai (FZ1) Dark Surface (T	F12)
	Dark Surface (S7) (LR	R R, MLF	RA 149B)				Other (Explain		,
St 12 1	- C. D. alas a bar C. alas a constan	Cara and a	order discolarismos		La contra a d'ata	and the state of the state of	a balanca d'a		
	of Hydrophytic vegetate Layer (if observed):		retiand hydrology m	ust be present	t, uniess disti	urbea or pr	oblematic.		
	:						Hydric Soil Present?	Yes 🗌	No 🛛
Depti	h (inches):						,	_	
Remarks: 1	No hydric soil indicat	tors obse	rved.						

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: <u>5-20-2019</u> Project/Site: <u>Hickory Hill Farms - Mitigation Bank Area</u> City/County: Village of Sussex/Waukesha County Sampling Point: 110 Applicant/Owner: __ State: WI Investigator(s): Chris Jors, Jen Dietl, and Shane Heyel: SEWRPC Section, Township, Range: NW Quarter, Section 28, T8N-R19E Landform (hillslope, terrace, etc.): slight depression/toeslope Local relief (concave, convex, none): concave Slope (%): 0-3% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Lamartine silt loam (LmB) NWI classification: None Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? □No ⊠Yes □No within a Wetland? □No Hydric Soils Present? ⊠Yes □No Wetland Hydrology Present? ⊠Yes If yes, optional Wetland Site ID: PCA 15 Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) ☐ Surface Water (A1) ☐ Water-Stained Leaves (B9) ☐ Drainage Patterns (B10) \boxtimes High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) \boxtimes Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) ☐ Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Oxidized Rhizospheres on Living Roots (C3) Sediment Deposits (B2) \boxtimes Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Recent Iron Reduction in Tilled Soils (C6) Algal Mat or Crust (B4) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) ☐ Other (Explain in Remarks) Inundation Visible on Aerial Imagery (B7) Microtopographic Relief (D4) \Box Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) **Field Observations:** Surface Water Present? Yes No 🛛 Depth (inches): Water Table Present? Yes 🛛 No 🗌 Depth (inches): 10 Saturation Present? Yes 🖂 No \square Depth (inches): 0 (at surface) Wetland Hydrology Present? No 🗌 Yes 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), Aerial Photos (Exhibit 4), and NAIP/FSA Images (Exhibit 12). Remarks: NAIP/FSA image review found the sample site area exhibited wetness signatures in 8 out of 10 (80%) images taken with normal antecedent precipitation. The sample site is on a depression/toeslope just outside the FEMA-mapped floodplain of an unnamed tributary to Spring Creek. Indicator D2, geomorphic position, is not checked due to the presence of a drain tile system. Recent Iron Reduction in Tilled Soils (C6) indicator not checked since timing and depth of last tillage could not be determined.

Tree Stratum (Plot size: 30' radius)	Absolute <u>% Cover</u>	Dominant Species?	Indicator Status	Dominance Test worksheet:
1	70 COVEL		Status	Number of Dominant Species
				That are OBL, FACW, or FAC: 1 (A)
2				,
3				Total Number of Dominant Species Across All Strata: 1 (B)
4				
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 100% (A/B)
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	r	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A = Hydrophytic Vegetation Indicators:
7				Rapid Test for Hydrophytic Vegetation
	<u>0</u>	= Total Cove	r	□ Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)				☐ Prevalence Index is ≤3.0¹☐ Morphological Adaptations¹ (Provide supporting
1. <u>Veronica peregrina</u>	<u>55</u>		<u>FAC</u>	data in Remarks or on a separate sheet)
2				☐ Problematic Hydrophytic Vegetation¹ (Explain)
3				1 In diseases of hydric and mothered by duelous and
4				Indicators of hydric soil and wetland hydrology must Be present, unless disturbed or problematic.
5				
6			<u> </u>	Definitions of Vegetation Strata:
7				Tree Westerlands (7.0 cm) as seen in discussion
8				Tree – Woody plants 3in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>55</u>	= Total Cove	r	Woody vines – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30' radius)				height
1				
2.		П		
3.		П		Undrankutia
4			<u> </u>	Hydrophytic Vegetation
*·	<u> </u>	= Total Cove		Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet.				
(<i>, , ,</i> , , , , , , , , , , , , , , , ,	aa,		

Profile De	scription: (Describe	to the dep	th needed to docum	ent the indi	icator or cor	nfirm the a	bsence of indicators.)	Sampling Pol	
Depth	Matrix			Redox Feat	tures				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Rer	marks
)-5	10YR 3/1	100					Silt loam		
5-13	10YR 3/1	85	10YR 4/6	8	C	PL M	Silt loam		
			2.5Y 6/2	7	D	M	. <u> </u>		
3-18	2.5Y 4/1	85	10YR 4/6	10	C	PL M	Clay loam		
			10YR 5/2	5	D	M	·		
18-24	2.5Y 4/1	80	5YR 3/3	10	C	PL M	Clay loam		
			10YR 5/2	10	D	M			
		·	-				· · · · · · · · · · · · · · · · · · · 		
	-								
							· <u> </u>		
	· -						·		
Type: C=	Concentration, D=Dep	oletion, RM	I=Reduced Matrix, MS	S= Masked S	Sand Grains		² Location: PL=Pore Li	ining, M=Matrix	
-	il Indicators:		_				Indicators for Problem		
	Histosol (A1) Histic Epipedon (A2)		∐ Pol	yvalue Belov MLRA 149	w Surface (S	8) (LRR R ,		0) (LRR K, L, M ledox (A16) (LL I	
	Black Histic (A3)		☐ Thi		ace (S9) (LR I	R R, MLRA		eat or Peat (S3)	
	Hydrogen Sulfide (A4))	☐ Loa	amy Mucky N	Mineral (F1) (☐ Dark Surface (S	S7) (LRR K, L)	
	Stratified Layers (A5)	0 , ,		my Gleyed				w Surface (S8)	
	Depleted Below Dark Thick Dark Surface (A			oleted Matrix dox Dark Su				ace (S9) (LRR K se Masses (F12)	
	Sandy Mucky Mineral				Surface (F7)				9) (MLRA 149B)
	Sandy Gleyed Matrix			dox Depress				TA6) (MLRA 14	
	Sandy Redox (S5)						Red Parent Ma		- (-)
	Stripped Matrix (S6) Dark Surface (S7) (LF	RR MIR	2Δ 149R)				☐ Very Shallow D	ark Surface (TF	-12)
	Dark Gundoc (G7) (E1	(I(I(, III)	(A 140B)				Other (Explain)	iii Remarko)	
	of Hydrophytic vegeta		etland hydrology mus	t be present	t, unless dist	urbed or pr	oblematic.		
	e Layer (if observed)):							=
	: h (inches):						Hydric Soil Present?	Yes ⊠	No 🗌
Remarks:	11 (IIICHES)								
tomano.									

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: <u>5-20-2019</u> Project/Site: Hickory Hill Farms - Mitigation Bank Area City/County: Village of Sussex/Waukesha County Sampling Point: 111 Applicant/Owner: State: WI Investigator(s): Chris Jors, Jen Dietl, and Shane Heyel: SEWRPC Section, Township, Range: NW Quarter, Section 28, T8N-R19E Landform (hillslope, terrace, etc.): hillslope Local relief (concave, convex, none): linear Slope (%): 0-3% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Lamartine silt loam (LmB) NWI classification: None Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area ⊠Yes Hydrophytic Vegetation Present? ПNо ⊠No within a Wetland? ☐ Yes □No Hydric Soils Present? ⊠Yes ⊠No Wetland Hydrology Present? □Yes If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) ☐ Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) ☐ Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) П ☐ Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) ☐ Presence of Reduced Iron (C4) Drift Deposits (B3) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) \Box FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No 🖂 Depth (inches): _ Water Table Present? Yes 🛛 No 🗌 Depth (inches): 20 Saturation Present? Yes 🛛 No 🗌 Depth (inches): 0 (surface) to 6, and at 17 Wetland Hydrology Present? Yes No 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4). Remarks: Saturation at the surface was due to recent rain. Recent Iron Reduction in Tilled Soils (C6) indicator not checked since timing and depth of last tillage could not be determined. No wetland hydrology indicators observed.

Tree Stratum (Plot size: 30' radius)	Absolute	Dominant Species?	Indicator	Dominance Test worksheet:
	% Cover	Species? ☐	<u>Status</u>	
1				Number of Dominant Species That are OBL, FACW, or FAC: 1 (A)
2				
3				Total Number of Dominant Species Across All Strata: 1 (B)
4				Species Across All Strata. <u>I</u> (b)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 100% (A/B)
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
				Hydrophytic Vegetation Indicators:
7				Rapid Test for Hydrophytic Vegetation
	<u>0</u>	= Total Cove	er	□ Dominance Test is >50% □ Domin
Herb Stratum (Plot size: 5' radius)		N		☐ Prevalence Index is ≤3.0¹ ☐ Morphological Adaptations¹ (Provide supporting
1. <u>Veronica peregrina</u>	<u>30</u>		<u>FAC</u>	data in Remarks or on a separate sheet)
2. <u>Chenopodium album</u>	<u>5</u>		<u>FACU</u>	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3. Erigeron canadensis	<u>2</u>		<u>FACU</u>	1 la disease of hardring on it and modern developed by
4				Indicators of hydric soil and wetland hydrology must Be present, unless disturbed or problematic.
5				
6				Definitions of Vegetation Strata:
7				Tree Woody plants 2in /7 6 am) or mare in diameter
				Tree – Woody plants 3in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height
8				,, 134 114 13
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb - All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>37</u>	= Total Cove	er	Woody vines – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30' radius)				height
1				-
2				
3				Ukuduankusia
4.				Hydrophytic Vegetation
*· <u> </u>	<u>0</u>	= Total Cove		Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet			,	
Tremane. (morade priore namber here of on a separate sheet	., rigilouliuli	ai iioia.		

Profile Des	scription: (Describe t	o the dep	oth needed to docum	ent the ind	licator or cor	firm the a	bsence of indicators.)	
Depth	Matrix			Redox Feat	tures			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-6	10YR 3/1	100					Silt loam	
6-14	10YR 3/1	80	7.5YR 3/4	10	C	PL M	Silt loam	-
	-		10YR 4/6	10	C	PL M		-
14-24	10YR 4/1	80	10YR 5/6	20		PL M	Clay loam	with dolomite
		-				-		
		-				-		
	· 							
	·							
	·							
		ī-			· ———			
			· -					-
			-					-
¹Type: C=0	Concentration, D=Dep	letion, RN	/=Reduced Matrix, MS	S= Masked S	Sand Grains		² Location: PL=Pore	Lining, M=Matrix
	il Indicators:	,						ematic Hydric Soils ³ :
	Histosol (A1)		☐ Pol		w Surface (S	8) (LRR R ,	2 cm Muck (A	A10) (LRR K, L, MLRA 149B)
	Histic Epipedon (A2)			MLRA 149	,			Redox (A16) (LLR K, L, R)
	Black Histic (A3)				ace (S9) (LRI			Peat or Peat (S3) (LLR K, L, R)
	Hydrogen Sulfide (A4) Stratified Layers (A5))		amy Mucky i amy Gleyed	Mineral (F1) (LKK K, L)		e (S7) (LRR K, L) elow Surface (S8) (LRR K, L)
	Depleted Below Dark	Surface (/		pleted Matri				rface (S9) (LRR K, L)
	Thick Dark Surface (A			dox Dark S				ese Masses (F12) (LRR K, L, R)
	Sandy Mucky Mineral				Surface (F7)			odplain Soils (F19) (MLRA 149B)
	Sandy Gleyed Matrix	(S4)	☐ Re	dox Depress	sions (F8)			c (TA6) (MLRA 144A, 145, 149B)
	Sandy Redox (S5) Stripped Matrix (S6)						Red Parent N	//Aaterial (F21) · Dark Surface (TF12)
	Dark Surface (S7) (LF	R R. MLI	RA 149B)					in in Remarks)
		,	,				<u> </u>	,
	of Hydrophytic vegeta		wetland hydrology mus	st be presen	ıt, unless distu	ırbed or pr	oblematic.	
	e Layer (if observed)	:						
	:						Hydric Soil Present	? Yes⊠ No □
	h (inches):							
Remarks:								

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: <u>5-20-2019</u> Project/Site: Hickory Hill Farms - Mitigation Bank Area City/County: Village of Sussex/Waukesha County Sampling Point: 112 Applicant/Owner: State: WI Investigator(s): Chris Jors, Jen Dietl, and Shane Heyel: SEWRPC Section, Township, Range: NW Quarter, Section 28, T8N-R19E Landform (hillslope, terrace, etc.): depression Local relief (concave, convex, none): concave Slope (%): 0-2% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Pella silt loam (Ph) NWI classification: None Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_X_, Soil____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes □ No 🛛 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? □No ⊠Yes within a Wetland? ✓ Yes □No □No Hydric Soils Present? ⊠Yes □No Wetland Hydrology Present? ⊠Yes If yes, optional Wetland Site ID: PCA 15 Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. The sample site has significantly disturbed vegetation due to farming. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) ☐ Surface Water (A1) ☐ Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) \boxtimes Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) Hydrogen Sulfide Odor (C1) \boxtimes Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Oxidized Rhizospheres on Living Roots (C3) Sediment Deposits (B2) \boxtimes Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) П Recent Iron Reduction in Tilled Soils (C6) Algal Mat or Crust (B4) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) ☐ Other (Explain in Remarks) Inundation Visible on Aerial Imagery (B7) Microtopographic Relief (D4) \Box Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) **Field Observations:** Depth (inches): Surface Water Present? Yes No 🛛 Water Table Present? Yes 🛛 No 🗌 Depth (inches): 13 Saturation Present? Yes 🖂 No \square Depth (inches): 0 (surface) Wetland Hydrology Present? Yes 🖂 No \square (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), Aerial Photos (Exhibit 4), and NAIP/FSA Images. Remarks: NAIP/FSA image review found the sample site area exhibited wetness signatures in 8 out of 10 (80%) images taken with normal antecedent precipitation. The sample site is in a depression, but indicator D2, geomorphic position, is not checked due to the presence of a drain tile system. Recent Iron Reduction in Tilled Soils (C6) indicator not checked since timing and depth of last tillage could not be determined.

VEGETATION – Use scientific names of plants. Sampling Point: 112 Absolute Dominant Indicator **Dominance Test worksheet:** Tree Stratum (Plot size: 30' radius) % Cover Species? <u>Status</u> 1. ____ **Number of Dominant Species** That are OBL, FACW, or FAC: <u>1</u> (A) 2. ____ 3. ____ **Total Number of Dominant** Species Across All Strata: 2 (B) 4. ____ 5. ____ Percent of Dominant Species That Are OBL, FACW, or FAC: 50% (A/B) 6. ____ Prevalence Index worksheet: 0 = Total Cover Total % Cover of: Multiply by: Sapling/Shrub Stratum (Plot size: 30' radius) **OBL** species x 1 = 0 1. _____ **FACW** species 0 0 x 2 =2. ____ FAC species 2 x3 =6 3. ____ FACU species 2 8 x 4 =4. ____ **UPL** species 0 x 5 = 0 Column Totals: 4 (A) 14 (B) 6. Prevalence Index = B/A = 3.5**Hydrophytic Vegetation Indicators:** 7. ____ ☐ Rapid Test for Hydrophytic Vegetation 0 = Total Cover ☐ Dominance Test is >50% Herb Stratum (Plot size: 5' radius) ☐ Prevalence Index is ≤3.01 ☐ Morphological Adaptations¹ (Provide supporting \boxtimes 2 **FACU** 1. Chenopodium album data in Remarks or on a separate sheet) 2 \boxtimes **FAC** 2. Veronica peregrina □ Problematic Hydrophytic Vegetation¹ (Explain) 3. ¹ Indicators of hydric soil and wetland hydrology must 4. ____ Be present, unless disturbed or problematic. **Definitions of Vegetation Strata:** 6. ____ Tree - Woody plants 3in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height 8. ____ 9. ____ Sapling/shrub - Woody plants less than 3in. DBH 10. ____ and greater than 3.28 ft (1 m) tall. 11. _____ **Herb** – All herbaceous (non-woody) plants, regardless 12. ____ of size, and woody plants less than 3.28 ft tall. 4 = Total Cover **Woody vines** – All woody vines greater than 3.28 ft in Woody Vine Stratum (Plot size: 30' radius) height 2. 3. _____ Hydrophytic Vegetation Present? Yes 🛚 No \square 0 = Total Cover Remarks: (include photo number here or on a separate sheet.) The sample site is in a depression in an agricultural field. It exhibits multiple wetland hydrology indicators and has hydric soil. Thus, the site is wetland with significantly disturbed hydrophytic vegetation. Atypical (farmed) wetland.

SOIL										Sampling Po	oint: <u>112</u>
Profile Des	scription: (Describe to	the dep	th needed	to doc	cument the indi	icator or cor	nfirm the a	bsence	of indicators.)		
Depth	Matrix				Redox Feat	ures					
(inches)	Color (moist)	%	Color ((moist)) %	Type ¹	Loc ²	_	Texture	Re	emarks
0-6	10YR 2/1	100		(**************************************		- 775		Silt lo			
6-9	10YR 2/1	97	2.5Y 5/4				PL M	Silt lo			
9-18	10YR 3/1	95	10YR 3/4				PL M	Silt lo		-	
	. ———		10YR 5/6							-	
18-24	2.5Y 5/2	88	1018 5/6		12		PL M	Clay I	loam		
										-	
										-	
	Concentration, D=Depl	etion, RM	=Reduced	Matrix,	, MS= Masked S	Sand Grains			² Location: PL=Pore		
-	il Indicators:				Daharaha Bala	Curfoso (C	0) // DD D		Indicators for Proble		
	Histosol (A1) Histic Epipedon (A2)				Polyvalue Below MLRA 149		o) (LKK K,			10) (LRR K, L, I Redox (A16) (L I	
	Black Histic (A3)			П	Thin Dark Surfa	,	R R. MLRA	149B)		eat or Peat (S3)	
	Hydrogen Sulfide (A4)				Loamy Mucky N			,		(S7) (LRR K, L)	
	Stratified Layers (A5)				Loamy Gleyed					ow Surface (S8)	
	Depleted Below Dark S		.11)		Depleted Matrix					face (S9) (LRR	
	Thick Dark Surface (A1 Sandy Mucky Mineral (Redox Dark Su Depleted Dark						2) (LRR K, L, R) 19) (MLRA 149B)
	Sandy Gleyed Matrix (\$				Redox Depress						44A, 145, 149B)
	Sandy Redox (S5)	/		_		()			☐ Red Parent M		,,,
	Stripped Matrix (S6)									Dark Surface (T	F12)
	Dark Surface (S7) (LRI	R R, MLR	(A 149B)						☐ Other (Explain	n in Remarks)	
3Indicators	of Hydrophytic vegetat	ion and w	otland bydi	rology	must be present	t unlace dicti	irbod or pr	ahlamat	tio		
	E Layer (if observed):		eliana nyai	ology	must be present	i, uriiess dist	arbed or pro	DDICITIA	uo.		
	:							l,	Hydric Soil Present?	P Yes ⊠	No 🗆
Dept	h (inches):								.,		
Remarks:								·			

WETLAND DETERMINATION DA	TA FORM - Northc	entral and Northeast	Region
Project/Site: <u>Hickory Hill Farms - Mitigation Bank Area</u> City/Count Applicant/Owner:	ty: Village of Sussex/Wauke	<u>sha County</u> State: <u>WI</u>	Sampling Date: 5-20-2019 Sampling Point: 113
Investigator(s): Chris Jors, Jen Dietl, and Shane Heyel: SEWRPC Landform (hillslope, terrace, etc.): slight hillslope Subregion (LRR or MLRA): LRR K Soil Map Unit Name: Pella silt loam (Ph)	Section, Township, Range Local relief (concave, con Lat: Long: _	Datum:	I-R19E Slope (%): <u>0-2%</u> sification: None
Are climatic/hydrologic conditions on the site typical for this time of year	r? Yes⊠ No □	(If no, explain in Remarks)	Silication. <u>None</u>
Are Vegetation, Soil, or Hydrology significantly disturb		mstances" present? Yes	No 🗆
Are Vegetation, Soil, or Hydrology naturally problema	itic? (If, needed, explain	n any answers in Remarks.)	
SUMMARY OF FINDINGS – Attach site map showing s	sampling point location	ons, transects, importar	nt features, etc.
Hydrophytic Vegetation Present?	Is the Sampled Are within a Wetland?	a ☐ Yes	⊠No
Welland Hydrology Frosenti.	If yes, optional Wetla	and Site ID:	
Remarks: (Explain alternative procedures here or in a separate report			
HYDROLOGY		0 1 1 1	
Wetland Hydrology Indicators:		Secondary Indica	tors (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)		☐ Surface Soil	, ,
	Stained Leaves (B9)	Drainage Pa	
	Fauna (B13)	Moss Trim L	
Saturation (A3)	eposits (B15)		Water Table (C2)
` ` '	en Sulfide Odor (C1)	Crayfish Bur	
Sediment Deposits (B2)	ed Rhizospheres on Living Ro		isible on Aerial Imagery (C9)
Drift Deposits (B3)	ce of Reduced Iron (C4)		tressed Plants (D1)
Algal Mat or Crust (B4) Recent	Iron Reduction in Tilled Soils		Position (D2)
	uck Surface (C7)	Shallow Aqu Microtopogra	` '
	Explain in Remarks)		aphic Relief (D4)
Sparsely Vegetated Concave Surface (B8) Field Observations:		☐ FAC-Neutral	Test (D5)
Surface Water Present? Yes ☐ No ☒ Depth (inches): _			
Water Table Present? Yes ⊠ No ☐ Depth (inches): 1			
· · · · · ·	(surface) to 6, and at 13	Wetland Hydrology Present?	P Yes □ No ⊠
(includes capillary fringe)		Troubling Tryal Glogy Trooding	100 🗀
Describe Recorded Data (stream gauge, monitoring well, aerial photos (Exhibit 3), and Aerial Photos (Exhibit 4).	s, previous inspections), if av	railable: Topo Map (Exhibit 1), V	WWI Map (Exhibit 2), Soils Map
Remarks: Saturation at the surface was due to recent rain. No	wetland hydrology indicat	ors observed.	

Trace Otractices (Photosine Otherships)	Absolute	Dominant	Indicator	Deminence Test werksheet
<u>Tree Stratum</u> (Plot size: <u>30' radius</u>)	% Cover	Species?	<u>Status</u>	Dominance Test worksheet:
1				Number of Dominant Species That are OBL, FACW, or FAC: 1 (A)
2				That are OBL, FACW, or FAC: 1 (A)
3				Total Number of Dominant
4				Species Across All Strata: <u>2</u> (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 50% (A/B)
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cov	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
	· <u></u>			
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators: ☐ Rapid Test for Hydrophytic Vegetation
	<u>0</u>	= Total Cov	er	Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)				☐ Prevalence Index is ≤3.0¹
1. Erigeron canadensis	<u>15</u>	\boxtimes	FACU	☐ Morphological Adaptations¹ (Provide supporting
2. Veronica peregrina	<u>10</u>	\boxtimes	FAC	data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain)
Glycine max (sprouts from previous crop)	<u>2</u>		NI (UPL)	Problematic Hydrophytic vegetation (Explain)
3. Glycine max (sprouts from previous crop)	=		<u> (0/</u>	¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5				
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				6 / 1
10				Sapling/shrub – Woody plants less than 3in. DBH and greater than 3.28 ft (1 m) tall.
	·			and groater than 6.20 it (1 m) tail.
11				Herb - All herbaceous (non-woody) plants, regardless
12		ш		of size, and woody plants less than 3.28 ft tall.
	<u>27</u>	= Total Cov	er	Woody vines – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30' radius)				height
1				
2				
3.				Hydrophytic
4		П		Vegetation
··· 	<u> </u>	= Total Cov		Present? Yes ☐ No ☒
Remarks: (include photo number here or on a separate sheet			<u> </u>	
Tromaine. (Include priote hamber here of on a coparate choose	., r igi ioditai	ai iioidi		

		41 1				<i>c</i> :		Sampling Foliti. 113
Profile Des	scription: (Describe to	o the dep	th needed to docu			ntirm the a	bsence of indicators.)	
Depth	Matrix			Redox Feat	ures		_	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-6	10YR 3/1	100					Silt loam	
6-13	10YR 3/1	100					Silty clay loam	
13-24	2.5Y 5/2	85	10YR 4/6	15	С	PL M	Clay loam	
			-					
¹ Type: C=C	Concentration, D=Depl	etion, RM	=Reduced Matrix, I	NS= Masked S	and Grains		² Location: PL=Pore L	
-	I Indicators:						Indicators for Proble	-
	Histosol (A1)		☐ P	olyvalue Belov		8) (LRR R,		10) (LRR K, L, MLRA 149B)
	Histic Epipedon (A2)			MLRA 149	,			Redox (A16) (LLR K, L, R)
	Black Histic (A3) Hydrogen Sulfide (A4)			hin Dark Surfa .oamy Mucky N	. , .			eat or Peat (S3) (LLR K, L, R) S7) (LRR K, L)
	Stratified Layers (A5)			oamy Gleyed I				ow Surface (S8) (LRR K, L)
	Depleted Below Dark S	Surface (A		epleted Matrix	, ,		-	face (S9) (LRR K, L)
	Thick Dark Surface (A			Redox Dark Su				se Masses (F12) (LRR K, L, R)
	Sandy Mucky Mineral			epleted Dark S				dplain Soils (F19) (MLRA 149B)
	Sandy Gleyed Matrix (S4)	☐ F	Redox Depress	ions (F8)			(TA6) (MLRA 144A, 145, 149B)
	Sandy Redox (S5)						Red Parent Ma	
	Stripped Matrix (S6)	D D MI D	A 440D)					Dark Surface (TF12)
	Dark Surface (S7) (LR	K K, WILK	A 149D)				Other (Explain	in Remarks)
³ Indicators	of Hydrophytic vegetat	tion and w	etland hydrology m	ust be present	, unless distu	urbed or pro	oblematic.	
	Layer (if observed):		, 0,	· ·	,	· ·		
Туре:							Hydric Soil Present?	Yes ☐ No ⊠
	inches):							
Remarks: N	lo hydric soil indicat	ors obse	rved.					

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: <u>5-20-2019</u> Project/Site: Hickory Hill Farms - Mitigation Bank Area City/County: Village of Sussex/Waukesha County Sampling Point: 114 Applicant/Owner: __ State: WI Investigator(s): Chris Jors, Jen Dietl, and Shane Heyel: SEWRPC Section, Township, Range: NW Quarter, Section 28, T8N-R19E Landform (hillslope, terrace, etc.): slight rise Local relief (concave, convex, none): convex Slope (%): 0-2% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Ogden muck (Oc) NWI classification: F0Kf Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? ПNо ⊠Yes within a Wetland? ☐ Yes ⊠No ⊠No Hydric Soils Present? □Yes ⊠No Wetland Hydrology Present? □Yes If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) П П ☐ Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) ☐ Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Algal Mat or Crust (B4) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No 🖂 Depth (inches): __ Water Table Present? Yes \boxtimes Depth (inches): No Saturation Present? Yes 🛛 No 🗌 Depth (inches): 20 Wetland Hydrology Present? Yes No 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4). Remarks: No wetland hydrology indicators observed.

VEGETATION – Use scientific names of plants. Sampling Point: 114 Absolute Dominant Indicator **Dominance Test worksheet:** Tree Stratum (Plot size: 30' radius) % Cover Species? <u>Status</u> \Box Number of Dominant Species

2				That are OBL, FACW, or FAC: 1 (A)
3.				Total Number of Dominant
4			·	Species Across All Strata: <u>1</u> (B)
5				Percent of Dominant Species
6			·	That Are OBL, FACW, or FAC: 100% (A/B)
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7		П		Hydrophytic Vegetation Indicators:
	<u>0</u>	= Total Cover		Rapid Test for Hydrophytic Vegetation Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)				☐ Prevalence Index is ≤3.0¹
1. <u>Veronica peregrina</u>	<u>60</u>	\boxtimes	FAC	☐ Morphological Adaptations¹ (Provide supporting
2. <u>Sphenopholis intermedia</u>	<u>10</u>		FAC	data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain)
3				
4				Indicators of hydric soil and wetland hydrology must Be present, unless disturbed or problematic.
5				be present, unless distarbed of problematic.
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				One line of a least and a state of the section of t
10				Sapling/shrub – Woody plants less than 3in. DBH and greater than 3.28 ft (1 m) tall.
11				
12				Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
·-·	<u>70</u>	= Total Cover		of size, and woody plants loss than 6.20 it tall.
Woody Vine Stratum (Plot size: 30' radius)		= 10tal 00v0l		Woody vines – All woody vines greater than 3.28 ft in
1				height
2			·	
3				Understate
4.				Hydrophytic Vegetation
·" 	<u>0</u>	= Total Cover		Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet.)				

Dar Cla Dar		- 11 1	the second and the share			Come the en	harman af tradtantana N	Sampling Follit. 114
Profile Des		o the dep	th needed to docu			ifirm the a	bsence of indicators.)	
Depth	Matrix			Redox Feat	ures		_	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-10	10YR 3/1	100					Silt loam	
10-14	10YR 3/1	90	10YR 4/4	10	С	PL M	Silt loam	
14-22	N 2.5/	100					Muck	
22-25	2.5Y 3/1	100					Clay loam	
				_				
	Concentration, D=Depl	etion, RM	=Reduced Matrix, I	MS= Masked S	and Grains		² Location: PL=Pore L	
-	I Indicators:						Indicators for Proble	•
	Histosol (A1)		□ F	Polyvalue Belov	,	8) (LRR R ,	,	10) (LRR K, L, MLRA 149B)
	Histic Epipedon (A2)			MLRA 149	,			Redox (A16) (LLR K, L, R)
	Black Histic (A3) Hydrogen Sulfide (A4)			Thin Dark Surfa ₋oamy Mucky M				eat or Peat (S3) (LLR K, L, R) (S7) (LRR K, L)
	Stratified Layers (A5)			oamy Gleyed N		LIXIX IX, L)		ow Surface (S8) (LRR K, L)
	Depleted Below Dark	Surface (A		Depleted Matrix				face (S9) (LRR K, L)
	Thick Dark Surface (A			Redox Dark Sur				se Masses (F12) (LRR K, L, R)
	Sandy Mucky Mineral			Depleted Dark S			_	odplain Soils (F19) (MLRA 149B)
	Sandy Gleyed Matrix (S4)	□ F	Redox Depressi	ions (F8)			(TA6) (MLRA 144A, 145, 149B)
	Sandy Redox (S5)						Red Parent Ma	
	Stripped Matrix (S6)							Dark Surface (TF12)
	Dark Surface (S7) (LR	R R, MLF	.A 149B)				Other (Explain	in Remarks)
³ Indicators	of Hydrophytic vegeta	tion and w	etland hvdrologv m	lust be present	. unless distu	urbed or pro	oblematic.	
	Layer (if observed)				,			
	: <u> </u>						Hydric Soil Present?	Yes □ No ⊠
Depth	n (inches):							
Remarks: N	No hydric soil indicat	ors obse	rved.					

WETLAND DETERMI	NATION DATA I	FORM - Northco	entral and Nort	heast Region		
Project/Site: Hickory Hill Farms - Mitigation Bank Area	sha County Sampling Date: 5-20-20					
Applicant/Owner:			State: WI	Sampling Point: 115		
Investigator(s): <u>Chris Jors, Jen Dietl, and Shane Heyel</u> Landform (hillslope, terrace, etc.): broad swale/depres:		tion, Township, Range al relief (concave, con		<u>n 28, T8N-R19E</u> Slope (%): 0-2%		
Subregion (LRR or MLRA): <u>LRR K</u>		Long:	· —	Glope (76). <u>0-276</u>		
Soil Map Unit Name: Ogden muck (Oc)				NWI classification: F0Kf		
Are climatic/hydrologic conditions on the site typical for		Yes⊠ No □	(If no, explain in Rer	·		
Are Vegetation, Soil, or Hydrology sign			mstances" present?			
Are Vegetation, Soil, or Hydrology na			n any answers in Rem	•		
SUMMARY OF FINDINGS – Attach site ma	ap showing samp	oling point location	ons, transects, in	nportant features, etc.		
Hydrophytic Vegetation Present?	□No	Is the Sampled Area	а			
Hydric Soils Present?	□No	within a Wetland?	⊠ Y	′es □No		
Wetland Hydrology Present? ☐ Yes	□No					
		If yes, optional Wetla				
Remarks: (Explain alternative procedures here or in a	a separate report.) 90-	-day antecedent pre	cipitation is normal.			
HYDROLOGY Western Hydrology Indicators			Conordo	and ladicators (minimum of two required)		
Wetland Hydrology Indicators:	. all that amply \			ary Indicators (minimum of two required)		
Primary Indicators (minimum of one is required; check				rface Soil Cracks (B6)		
Surface Water (A1)	Water-Stained	d Leaves (B9)	Dra	ainage Patterns (B10)		
High Water Table (A2)	Aquatic Fauna					
Saturation (A3)	Marl Deposits					
☐ Water marks (B1) ☐ Sediment Deposits (B2) ☐ Drift Deposits (B3)		fide Odor (C1)		ayfish Burrows (C8)		
Sediment Deposits (B2)	Oxidized Rhiz	cospheres on Living Ro		turation Visible on Aerial Imagery (C9)		
Drift Deposits (B3)	Presence of F	Reduced Iron (C4)		inted or Stressed Plants (D1)		
Algal Mat or Crust (B4)	Recent Iron R	Reduction in Tilled Soils		omorphic Position (D2)		
Iron Deposits (B5)	Thin Muck Su	ırface (C7)	Sha	allow Aquitard (D3)		
Inundation Visible on Aerial Imagery (B7)	Other (Explain	n in Remarks)	Mic	crotopographic Relief (D4)		
☐ Sparsely Vegetated Concave Surface (B8)			☐ FA	C-Neutral Test (D5)		
Field Observations:						
	epth (inches):					
	epth (inches): 24					
	epth (inches): 0 (at su	<u>ırface)</u>	Wetland Hydrology	Present? Yes ⊠ No □		
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring was considered by the control of	vall parial photos prov	vious inapportions) if av	roilable: Tana Man (Fr	whihit 1) MM/I Man (Eyhihit 2) Saila Man		
(Exhibit 3), Aerial Photos (Exhibit 4), and NAIP/FSA II		ious irispections), ii av	aliable. Topo Map (L	thist 1), www map (Exhibit 2), 30iis map		
	· ·					
Remarks: NAIP/FSA image review found the sai	mple site area exhibi	ited wetness signatu	res in 10 out of 10	(100%) images taken with normal		
antecedent precipitation. The sample site is a b	road swale/depressi	on, but the geomorp	phic position indicate	or (D2) is not checked due to the		
presence of a drain tile system.						

<u>Tree Stratum</u> (Plot size: <u>30' radius</u>)	Absolute	Dominant	Indicator	Dominance Test worksheet:
	% Cover	Species? ☐	<u>Status</u>	
1				Number of Dominant Species That are OBL, FACW, or FAC: 1 (A)
2				
3				Total Number of Dominant Species Across All Strata: 1 (B)
4	-			
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)
6	-			
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7	· <u></u>			Hydrophytic Vegetation Indicators:
·· 	<u>0</u>	= Total Cove		Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5' radius)	<u> </u>	- 10tai 00ve	21	Dominance Test is >50% Prevalence Index is ≤3.0¹
1. <u>Veronica peregrina</u>	<u>60</u>	\boxtimes	FAC	☐ Morphological Adaptations¹ (Provide supporting
· · · · · · · · · · · · · · · · · · ·			<u> </u>	data in Remarks or on a separate sheet)
2	-			☐ Problematic Hydrophytic Vegetation¹ (Explain)
3				¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5				Definition of Manufation Office
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>60</u>	= Total Cove	er	
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in
1				height
2	· <u> </u>			
3.				
3	-			Hydrophytic Vegetation
4				Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet.	0 Atypical (f	= Total Cove		
Remarks. (include prioto number nere or on a separate sneet.	.) Atypicai (i	amieu) wellai	iu.	

5OIL									Sampling Po	oint: <u>115</u>	
Profile Des	scription: (Describe t	o the dep	th needed to d	ocument the	indicator or co	nfirm the a	bsence	e of indicators.)			
	Matrix				Features			·			
Depth (inches)	Color (moist)	%	Color (mois			Loc ²	_	Texture	Re	emarks	
0-16	2.5Y 2.5/1	100	10101	70	Турс		Muck		110	marko	-
16-23	2.5Y 3/1	97	10YR 3/4			PL M	- —				-
	• ———			3			Clay				-
23-25	2.5Y 5/1	95	2.5Y 5/4	5	C	PL M	Clay	ioam			
	· 										
			•		<u></u>						
											\neg
	-							-			\neg
¹ Type: C=	Concentration, D=Dep	letion, RM	=Reduced Matr	ix. MS= Mask	ked Sand Grains			² Location: PL=Pore Li	ining, M=Matrix	Κ	
	il Indicators:			.,				Indicators for Problem			
-	Histosol (A1)			Polyvalue l	Below Surface (S	88) (LRR R,		2 cm Muck (A1	10) (LRR K, L,	MLRA 149B)	
	Histic Epipedon (A2)	i			149B)			☐ Coast Prairie R			
	Black Histic (A3)				Surface (S9) (LR						
	Hydrogen Sulfide (A4)	1	님		cky Mineral (F1)	(LRR K, L)		☐ Dark Surface (S	, ,		
	Stratified Layers (A5) Depleted Below Dark	Surface (A	\ \11) □	Depleted N	eyed Matrix (F2)			☐ Polyvalue Below☐ Thin Dark Surfa			
	Thick Dark Surface (A		··· <i>'</i>		k Surface (F6)					2) (LRR K, L, R)	,
	Sandy Mucky Mineral				Dark Surface (F7))				19) (MLRA 149 E	
	Sandy Gleyed Matrix	(S4)		Redox Dep	oressions (F8)					44A, 145, 149B)
	Sandy Redox (S5)							Red Parent Ma			
	Stripped Matrix (S6)		A 440D)					☐ Very Shallow D		F12)	
	Dark Surface (S7) (LF	K K, WILK	.A 149D)					Other (Explain	in Remarks)		
3Indicators	of Hydrophytic vegeta	tion and w	etland hydrolog	v must be pre	esent. unless dis	urbed or pr	oblema	tic.			
	e Layer (if observed)		,,,,,	,,	.,			· ·			
	:							Hydric Soil Present?	Yes ⊠	No 🗆	
Dept	h (inches):							•	_	_	
Remarks:											

WETLAND DETERMINATION DA	TA FORM - Northc	entral and Northeast R	Region
Project/Site: <u>Hickory Hill Farms - Mitigation Bank Area</u> City/County Applicant/Owner:	y: Village of Sussex/Wauke	<u>sha County</u> State: <u>WI</u>	Sampling Date: 5-22-2019 Sampling Point: 116
Investigator(s): <u>Chris Jors, Jen Dietl, and Shane Heyel: SEWRPC</u> Landform (hillslope, terrace, etc.): <u>hillslope</u> Subregion (LRR or MLRA): <u>LRR K</u>	Section, Township, Range Local relief (concave, con- Lat: Long:	· —	<u>R19E</u> Slope (%): <u>0-2%</u>
Soil Map Unit Name: Pella silt loam (Ph)			ification: F0Kf
Are climatic/hydrologic conditions on the site typical for this time of year? Are Vegetation, Soil, or Hydrology significantly disturb		(If no, explain in Remarks) mstances" present? Yes ⊠	No □
Are Vegetation, Soil, or Hydrology naturally problemat	tic? (If, needed, explain	n any answers in Remarks.)	140
SUMMARY OF FINDINGS – Attach site map showing s			t features, etc.
		,	
Hydrophytic Vegetation Present? ☐Yes ☐No Hydric Soils Present? ☐Yes ☐No Wetland Hydrology Present? ☐Yes ☐No	Is the Sampled Area within a Wetland?	a ☐ Yes	⊠No
Remarks: (Explain alternative procedures here or in a separate report.	If yes, optional Wetla		
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary Indicate	ors (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)		☐ Surface Soil 0	Cracks (B6)
☐ Surface Water (A1) ☐ Water-S	tained Leaves (B9)	Drainage Patt	terns (B10)
High Water Table (A2) Aquatic	Fauna (B13)	Moss Trim Lir	nes (B16)
Saturation (A3) Marl De	posits (B15)		Vater Table (C2)
, , ,	en Sulfide Odor (C1)	Crayfish Burro	ows (C8)
☐ Sediment Deposits (B2) ☐ Oxidized	d Rhizospheres on Living Ro		sible on Aerial Imagery (C9)
Drift Deposits (B3)	ce of Reduced Iron (C4)		ressed Plants (D1)
Algal Mat or Crust (B4)	Iron Reduction in Tilled Soils		, ,
	ck Surface (C7)	Shallow Aquit	, ,
	Explain in Remarks)	Microtopograp	ohic Relief (D4)
Sparsely Vegetated Concave Surface (B8)		☐ FAC-Neutral	Test (D5)
Field Observations:			
Surface Water Present? Yes ☐ No ☐ Depth (inches):			
	(surface) to 5, and at 15		·
(includes capillary fringe)	(Surface) to 5, and at 15	Wetland Hydrology Present?	Yes No 🛚
Describe Recorded Data (stream gauge, monitoring well, aerial photos (Exhibit 3), and Aerial Photos (Exhibit 4).	, previous inspections), if av	ailable: Topo Map (Exhibit 1), W	/WI Map (Exhibit 2), Soils Map
Remarks: Saturation at the surface due to recent rain. Recent la	ron Reduction in Tilled So	oils (C6) indicator not checke	d since timing of last tillage
was unknown. No wetland hydrology indicators observed.			

Troo Stratum (Plot aiza: 20' radius)	Absolute	Dominant	Indicator	Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size: <u>30' radius</u>)	% Cover	Species? ☐	<u>Status</u>	
1				Number of Dominant Species That are OBL, FACW, or FAC: 1 (A)
2				
3				Total Number of Dominant Species Across All Strata: 2 (B)
4				Species Across Ail Strata. <u>Z</u> (b)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 50% (A/B)
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
/· <u> </u>	<u>0</u>	= Total Cove		Rapid Test for Hydrophytic Vegetation
Harb Stratum (Plat aiza: El radiua)	<u> </u>	= Total Cove	5 1	☐ Dominance Test is >50% ☐ Prevalence Index is ≤3.0¹
Herb Stratum (Plot size: 5' radius)	8	\boxtimes	FAC	☐ Morphological Adaptations¹ (Provide supporting
1. <u>Veronica peregrina</u>	<u>8</u>			data in Remarks or on a separate sheet)
2. Medicago sativa	<u>5</u>		<u>FACU</u>	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3. <u>Chenopodium album</u>	<u>4</u>		<u>FACU</u>	¹ Indicators of hydric soil and wetland hydrology must
4. Hordeum jubatum	<u>3</u>		<u>FAC</u>	Be present, unless disturbed or problematic.
5. Acer negundo	<u>2</u>		<u>FAC</u>	
6. <u>Poa annua</u>	<u>1</u>		<u>FACU</u>	Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				0 " / 1 1 1 2 55
10				Sapling/shrub – Woody plants less than 3in. DBH and greater than 3.28 ft (1 m) tall.
				and groater than 6.26 it (1 m) talls
11				Herb – All herbaceous (non-woody) plants, regardless
12		_		of size, and woody plants less than 3.28 ft tall.
	<u>23</u>	= Total Cove	er	Woody vines – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30' radius)				height
1				
2				
3				Hydrophytic
4				Vegetation
	<u>0</u>	= Total Cove	er	Present? Yes ☐ No ☒
Remarks: (include photo number here or on a separate sheet	.) Agricultura	al field.		

Sampling Point: 116

OIL								Sampling Point: 116
Profile Des	scription: (Describe t	o the dep	th needed to do	ocument the i	ndicator or co	nfirm the a	bsence of indicators.)	
Depth	Matrix			Redox F	eatures			
(inches)	Color (moist)	%	Color (mois	t) %	Type ¹	Loc ²	Texture	Remarks
0-5	10YR 3/1	100			<u> </u>		Silt loam	
5-11	10YR 3/2	85	7.5YR 3/4	15		PL M	Silt loam	
11-17	10YR 5/2	80	7.5YR 3/4	20		PL M	Silty clay loam	
17-24	N 2.5/	100					Muck	
			-		_	-		
			-		_	-		
					<u> </u>			
¹Type: C=0	Concentration, D=Dep	letion, RM	=Reduced Matri:	x, MS= Maske	d Sand Grains		² Location: PL=Pore L	ining, M=Matrix
-	I Indicators:		_				Indicators for Proble	•
	Histosol (A1)				elow Surface (S	88) (LRR R ,		10) (LRR K, L, MLRA 149B)
	Histic Epipedon (A2) Black Histic (A3)			MLRA 1	496) urface (S9) (LR	RR MIRA		Redox (A16) (LLR K, L, R) eat or Peat (S3) (LLR K, L, R)
	Hydrogen Sulfide (A4)				xy Mineral (F1)			(S7) (LRR K, L)
	Stratified Layers (A5)				ed Matrix (F2)	, ,		ow Surface (S8) (LRR K, L)
	Depleted Below Dark			Depleted Ma				face (S9) (LRR K, L)
	Thick Dark Surface (A				Surface (F6)			se Masses (F12) (LRR K, L, R)
	Sandy Mucky Mineral Sandy Gleyed Matrix (Redox Depre	rk Surface (F7)			odplain Soils (F19) (MLRA 149B) (TA6) (MLRA 144A, 145, 149B)
	Sandy Redox (S5)	54)	Ц	Redux Depit	23310113 (1 0)		Red Parent Ma	
	Stripped Matrix (S6)							Dark Surface (TF12)
	Dark Surface (S7) (LR	R R, MLF	(A 149B)				☐ Other (Explain	in Remarks)
3Indicators	of Hydrophytic yearte	tion and u	otland bydralag	, must be pres	ant unlace diet	urbad ar ar	ahlamatia	
	of Hydrophytic vegeta Layer (if observed):		elianu nyurology	/ Illust be pies	ent, uniess dist	urbed or pr	oblematic.	
Type:							Hydric Soil Present?	Yes⊠ No □
Depth	n (inches):							
Remarks:							•	

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: <u>5-22-2019</u> Project/Site: Hickory Hill Farms - Mitigation Bank Area City/County: Village of Sussex/Waukesha County Sampling Point: 117 Applicant/Owner: State: WI Investigator(s): Chris Jors, Jen Dietl, and Shane Heyel: SEWRPC Section, Township, Range: NW Quarter, Section 28, T8N-R19E Landform (hillslope, terrace, etc.): toeslope Local relief (concave, convex, none): slightly concave Slope (%): 0-2% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Pella silt loam (Ph) NWI classification: F0Kf Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_X_, Soil____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes □ No ⊠ Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? □No ⊠Yes within a Wetland? ✓ Yes □No □No Hydric Soils Present? ⊠Yes □No Wetland Hydrology Present? ⊠Yes If yes, optional Wetland Site ID: PCA 10 Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. The sample site has significantly disturbed vegetation due to farming. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) ☐ Surface Water (A1) ☐ Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) ☐ Aquatic Fauna (B13) Moss Trim Lines (B16) \boxtimes Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Oxidized Rhizospheres on Living Roots (C3) Sediment Deposits (B2) Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) П Recent Iron Reduction in Tilled Soils (C6) Algal Mat or Crust (B4) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Other (Explain in Remarks) Inundation Visible on Aerial Imagery (B7) Microtopographic Relief (D4) \Box Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) **Field Observations:** Surface Water Present? Yes No 🛛 Depth (inches): Water Table Present? Yes 🛚 No 🗌 Depth (inches): 24 Saturation Present? Yes 🖂 No \square Depth (inches): 0 Wetland Hydrology Present? No 🗌 Yes 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4). Remarks: Sample site is on a slightly concave toeslope, but geomorphic position, indicator D2, is not checked due to the presence of a drain tile system. Recent Iron Reduction in Tilled Soils (C6) indicator not checked since timing of last tillage was unknown.

_			
Sama	lina	Point:	11
Sallib	mu	F UII II.	11/

Topic Chaptering (Diet sings 20) and disco	Absolute	Dominant	Indicator	Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size: <u>30' radius</u>)	% Cover	Species? ☐	<u>Status</u>	
1				Number of Dominant Species That are OBL, FACW, or FAC: 1 (A)
2				
3				Total Number of Dominant Species Across All Strata: 2 (B)
4				
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 50% (A/B)
6				
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species $\underline{0}$ x 1 = $\underline{0}$
1				FACW species $\underline{0}$ x 2 = $\underline{0}$
2				FAC species $\underline{13}$ x 3 = $\underline{39}$
3				FACU species <u>15</u> x 4 = <u>60</u>
4				UPL species $\underline{0}$ x 5 = $\underline{0}$
5				Column Totals: <u>28</u> (A) <u>99</u> (B)
6				Prevalence Index = $B/A = 3.5$
7				Hydrophytic Vegetation Indicators:
	<u>0</u>	= Total Cove	er	☐ Rapid Test for Hydrophytic Vegetation ☐ Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)				☐ Prevalence Index is ≤3.0¹
1. Medicago sativa	<u>10</u>	\boxtimes	<u>FACU</u>	☐ Morphological Adaptations¹ (Provide supporting
2. Acer negundo	<u>8</u>	\boxtimes	FAC	data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain)
3. Chenopodium album	<u>5</u>		<u>FACU</u>	Troblematic rigarophytic vegetation (Explain)
	<u>5</u>		FAC	¹ Indicators of hydric soil and wetland hydrology must
4. <u>Veronica peregrina</u>	⊻		1710	Be present, unless disturbed or problematic.
5				Definitions of Vegetation Strata:
6				Deminions of Vegetation Strata.
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>28</u>	= Total Cove	er	Was decided a Allega decides and the O. C. C. C.
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in height
1				
2.				
3.				Hydrophytic
4				Vegetation
·· <u></u>	<u>0</u>	= Total Cove		Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet agricultural field. It exhibits wetland hydrology and hydrohydrophytic vegetation. Atypical (farmed) wetland.				

Profile Des	scription: (Describe t	o the dep	oth needed to docu	ment the indi	cator or cor	nfirm the a	bsence of indicators.)		
Depth	Matrix			Redox Feat	ures				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-5	10YR 3/1	90	10YR 3/4	10	C	PL M	Silt loam		
5-11	2.5Y 3/2	85	7.5YR 3/4	15	C	PL M	Silty clay loam		
11-19	N 2.5/	100					Muck		
19-29	N 2.5/	92	2.5Y 4/4	5	C	PL M	Clay loam		
			7.5YR 3/4	3	C	PL M			
Type: C=0	Concentration, D=Dep	letion RM	1=Reduced Matrix N	MS= Masked S	and Grains		² Location: PL=Pore L	ining M=Matrix	
	il Indicators:	1011011, 1111	i–rtoddood Matrix, i	vio- madica c	and Graine		Indicators for Problem		
_	Histosol (A1)		☐ P	olyvalue Belov	,	8) (LRR R ,		0) (LRR K, L, MLRA	
	Histic Epipedon (A2)			MLRA 149	,			Redox (A16) (LLR K, L	
	Black Histic (A3) Hydrogen Sulfide (A4)			hin Dark Surfa .oamy Mucky N				eat or Peat (S3) (LLR S7) (LRR K, L)	K, L, R)
	Stratified Layers (A5)			.oamy Gleyed I		(w Surface (S8) (LRR	K, L)
	Depleted Below Dark	Surface (A	A11) 🔲 🗅	epleted Matrix	(F3)		☐ Thin Dark Surf	ace (S9) (LRR K, L)	
	Thick Dark Surface (A			Redox Dark Su				se Masses (F12) (LRR	
	Sandy Mucky Mineral			Depleted Dark S				dplain Soils (F19) (ML	
	Sandy Gleyed Matrix (Sandy Redox (S5)	(54)	☐ F	Redox Depress	ions (F8)		Red Parent Ma	TA6) (MLRA 144A, 1 4 eterial (F21)	45, 149B)
	Stripped Matrix (S6)							Dark Surface (TF12)	
	Dark Surface (S7) (LR	R R, MLF	RA 149B)				☐ Other (Explain	in Remarks)	
31	-f	4:					ah lawatia		
	of Hydrophytic vegeta Layer (if observed)		vetiana nyarology m	ust be present	, uniess disti	urbea or pr	oblematic.		
	:	•					Hydric Soil Present?	Yes ⊠ No	
, ,	h (inches):						injunio com i recomer	100 🖾 110	
Remarks:							<u>'</u>		

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: <u>5-22-2019</u> Project/Site: Hickory Hill Farms - Mitigation Bank Area City/County: Village of Sussex/Waukesha County Sampling Point: 118 Applicant/Owner: State: WI Investigator(s): Chris Jors, Jen Dietl, and Shane Heyel: SEWRPC Section, Township, Range: NW Quarter, Section 28, T8N-R19E Landform (hillslope, terrace, etc.): slight hillslope Local relief (concave, convex, none): convex Slope (%): 0-3% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Lamartine silt loam (LmB) NWI classification: F0Kf Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area ⊠Yes Hydrophytic Vegetation Present? ПNо ⊠No within a Wetland? ☐ Yes □No Hydric Soils Present? ⊠Yes ⊠No Wetland Hydrology Present? □Yes If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) ☐ Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) ☐ Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) П ☐ Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) ☐ Presence of Reduced Iron (C4) Drift Deposits (B3) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) \Box Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No 🖂 Depth (inches): _ Water Table Present? Yes 🛛 No 🗌 Depth (inches): 19.5 Saturation Present? Yes No 🗌 Depth (inches): 0 (surface) to 4, and at 18 Wetland Hydrology Present? Yes No 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4). Remarks: Saturation at the surface is due to recent rain. Recent Iron Reduction in Tilled Soils (C6) indicator not checked since timing of last tillage was unknown. No wetland hydrology indicators observed.

<u>Tree Stratum</u> (Plot size: <u>30' radius</u>)	Absolute	Dominant Species?	Indicator	Dominance Test worksheet:
1	% Cover	Species? ☐	<u>Status</u>	
				Number of Dominant Species That are OBL, FACW, or FAC: 1 (A)
2				
3				Total Number of Dominant Species Across All Strata: 1 (B)
4				
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)
6				
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4	-			UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
· · · · · · · · · · · · · · · · · · ·	<u>0</u>	= Total Cove	ar	Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5' radius)	_	- 10tai 00V	J1	Dominance Test is >50% Prevalence Index is ≤3.0¹
1. <u>Veronica peregrina</u>	<u>15</u>	\boxtimes	FAC	☐ Morphological Adaptations¹ (Provide supporting
	1		FAC	data in Remarks or on a separate sheet)
2. Acer negundo	<u>+</u> <u>1</u>		FACU	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3. <u>Poa annua</u>	<u> </u>		1700	¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5				Definitions of Vanatation Country
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>17</u>	= Total Cove	er	
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in height
1				neigni
2				
3				
4				Hydrophytic Vegetation
4				Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet.	<u>0</u> \ Δaricultur	= Total Cove	2 1	
include proto number here of on a separate sheet.	.) Agricultur	ai iicia.		

Profile Des	scription: (Describe t	o the dep	oth needed to de	ocument the inc	dicator or co	nfirm the a	bsence of indicators.)		
Depth	Matrix			Redox Fea			_		
(inches)	Color (moist)	%	Color (mois	st) %	Type ¹	Loc ²	Texture	R	emarks
)-4	10YR 3/1	100					Silt loam		
I-11	10YR 3/1	50	7.5YR 3/4	10	C	PL M	Silty clay loam	_	
4.40	10YR 4/2	40					Model		
1-18	N 2.5/	10					Muck		
18-20	N 2.5/	100					Clay loam	- Defined Deals	
20+								Refusal: Rock	
		-							
								_	
								_	
					-			_	
	Concentration, D=Dep	letion, RM	1=Reduced Matri	ix, MS= Masked	Sand Grains		² Location: PL=Pore		
•	I Indicators: Histosol (A1)			Dobarduo Bal	ou Curtooo (C	0) // DD D	Indicators for Prob		
_	Histic Epipedon (A2)		Ц	Polyvalue Belo MLRA 14	,	o) (LKK K,		(A10) (LRR K, L, e Redox (A16) (L	
	Black Histic (A3)			Thin Dark Sur	,	R R, MLRA	149B)	Peat or Peat (S3	B) (LLR K, L, R)
	Hydrogen Sulfide (A4)			Loamy Mucky		LRR K, L)		e (S7) (LRR K, L	
	Stratified Layers (A5) Depleted Below Dark	Surface (□ A11) □	Loamy Gleyed Depleted Matr				elow Surface (S8 urface (S9) (LRR	
	Thick Dark Surface (A		XII) □					nese Masses (F1	
	Sandy Mucky Mineral								19) (MLRA 149B)
	Sandy Gleyed Matrix (S4)		Redox Depres	ssions (F8)				144A, 145, 149B)
	Sandy Redox (S5) Stripped Matrix (S6)							Material (F21) w Dark Surface (1	TE12)
	Dark Surface (S7) (LR	R R, MLF	RA 149B)					ain in Remarks)	11-12)
								,	
	of Hydrophytic vegeta		vetland hydrolog	y must be preser	nt, unless dist	urbed or pr	oblematic.		
	Layer (if observed) : Rock	•					Hydric Soil Presen	t? Yes ⊠	No 🗌
	h (inches): <u>20</u>						Tryunc 3011 Fresen	it: Tes 🖂	140
Remarks:	,						L		

WETLAND DETE	RMINATION DATA	FORM - Northc	entral and Northeast	Region
Project/Site: Hickory Hill Farms - Mitigation Bank	<u>c Area</u> City/County: <u>V</u>	illage of Sussex/Wauke	sha County	Sampling Date: <u>5-22-2019</u>
Applicant/Owner:			State: WI	Sampling Point: 119
Investigator(s): Chris Jors, Jen Dietl, and Shane Landform (hillslope, terrace, etc.): toeslope		ection, Township, Range ocal relief (concave, con	: NW Quarter, Section 28, T8	<u>BN-R19E</u> Slope (%): 0-3%
Subregion (LRR or MLRA): <u>LRR K</u>		at: Long: _		Slope (76). <u>0-376</u>
Soil Map Unit Name: Lamartine silt loam (LmB)				assification: <u>F0Kf</u>
Are climatic/hydrologic conditions on the site typi		Yes ⊠ No □	(If no, explain in Remarks)	
Are Vegetation, Soil, or Hydrology Are Vegetation, Soil, or Hydrology			mstances" present? Yes ⊠ n any answers in Remarks.)	No □
			•	ant footures, etc
SUMMARY OF FINDINGS – Attach si	te map snowing sam		ons, transects, importa	ant leatures, etc.
Hydrophytic Vegetation Present? Yes	□No	Is the Sampled Are	a	
Hydric Soils Present?	□No	within a Wetland?	⊠ Yes	□No
Wetland Hydrology Present? ☐ Yes	□No			
Demarka, (Evalaia alternativa presaduras bara	ar in a concrete report \ O	If yes, optional Wetla		
Remarks: (Explain alternative procedures here	or in a separate report.) 9	o-day antecedent pre	cipitation is normal.	
HYDROLOGY				
Wetland Hydrology Indicators:			Secondary Indic	ators (minimum of two required)
Primary Indicators (minimum of one is required	; check all that apply)		☐ Surface So	oil Cracks (B6)
☐ Surface Water (A1)	☐ Water-Stain	ed Leaves (B9)		Patterns (B10)
☐ High Water Table (A2)	Aquatic Fau			Lines (B16)
☐ Saturation (A3)	☐ Marl Deposi			n Water Table (C2)
Water marks (B1)		ulfide Odor (C1)		urrows (C8)
☐ Water marks (B1)☐ Sediment Deposits (B2)☐ Drift Deposits (B3)		nizospheres on Living Ro		Visible on Aerial Imagery (C9)
Drift Deposits (B3)		Reduced Iron (C4)		Stressed Plants (D1)
Algal Mat or Crust (B4)		Reduction in Tilled Soils		ic Position (D2)
Iron Deposits (B5)	☐ Thin Muck S			guitard (D3)
Inundation Visible on Aerial Imagery		ain in Remarks)		raphic Relief (D4)
☐ Sparsely Vegetated Concave Surface	· / <u></u> · · ·	,		al Test (D5)
Field Observations:	(DO)		_ TAO Neuti	ai rest (DS)
Surface Water Present? Yes ☐ No [Depth (inches):			
Water Table Present? Yes ⊠ No [Depth (inches): 11			
Saturation Present? Yes ⊠ No [Depth (inches): 0 (at s	surface)	Wetland Hydrology Presen	t? Yes⊠ No □
(includes capillary fringe)				
Describe Recorded Data (stream gauge, monito		evious inspections), if av	railable: Topo Map (Exhibit 1)	, WWI Map (Exhibit 2), Soils Map
(Exhibit 3), Aerial Photos (Exhibit 4), and NAIP/	FSA images (Exhibit 12).			
Remarks: NAIP/FSA image review found the	he sample site area exhi	bited wetness signatu	res in 10 out of 10 (100%)	images taken with normal
antecedent precipitation. The sample site	is in a concave position	on a toeslope, but ge	omorphic position (D2) is n	ot checked due to the
presence of a drain tile system. Recent Iro	on Reduction in Tilled So	ils (C6) indicator not	checked since timing of las	t tillage was unknown.

Tree Charles (Diet sines 20) redive)	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30' radius)	% Cover	Species? ☐	<u>Status</u>	
1				Number of Dominant Species That are OBL, FACW, or FAC: 1 (A)
2				
3				Total Number of Dominant Species Across All Strata: 1 (B)
4				Species Across All Strata: <u>1</u> (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 100% (A/B)
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
r	<u>0</u>			Rapid Test for Hydrophytic Vegetation
Harl Olashar (District Election)	<u>U</u>	= Total Cove	er	☐ Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)	20		FAC	☐ Prevalence Index is ≤3.0¹☐ Morphological Adaptations¹ (Provide supporting
1. Veronica peregrina	<u>20</u>		FAC	data in Remarks or on a separate sheet)
2. Poa pratensis	<u>1</u>		<u>FACU</u>	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3				Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5				
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				
10				Sapling/shrub – Woody plants less than 3in. DBH and greater than 3.28 ft (1 m) tall.
				and greater than 5.25 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>21</u>	= Total Cove	er	Woody vines – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30' radius)		_		height
1				
2				
3				Hydrophytic
4				Vegetation
	<u>0</u>	= Total Cove	er	Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet) Atypical (f			

Sampling Point: 119

Profile Des	scription: (Describe to	the dep	oth needed to	docu	ument the indi	cator or cor	nfirm the a	bsence	of indicators.)			
Depth	Matrix				Redox Feat	ures		_				
(inches)	Color (moist)	%	Color (m	oist)	%	Type ¹	Loc ²		Texture	Re	emarks	i
-5	10YR 3/1	100						Silt loa	am			
-11	10YR 3/1	90	7.5YR 3/4		10	C	PL M	Silty c	lay loam			
1-13	10YR 4/2	85	10YR 4/6		15	C	PL M	Silty c	lay loam			
3-20	N 2.5/	100						Muck				
.0-24	N 2.5/	100						Clay lo	oam			
	Concentration, D=Depl	etion, RM	1=Reduced Ma	atrix, l	MS= Masked S	and Grains			² Location: PL=Pore Lin			
-	il Indicators: Histosol (A1)		1	ПЕ	Polyvalue Belov	v Surface (S	9\ /I DD D		ndicators for Problem 2 cm Muck (A10			140R)
	Histic Epipedon (A2)		!	ш .	MLRA 149	,	o) (L IXIX IX,	1	☐ Coast Prairie Re			
	Black Histic (A3)		ľ	_ 1	Thin Dark Surfa	,	R R, MLRA	149B)	5 cm Mucky Pea			
	Hydrogen Sulfide (A4)				_oamy Mucky N		(LRR K, L)		Dark Surface (S			
	Stratified Layers (A5)	Curfoos (oamy Gleyed I				Polyvalue Below			K , L)
	Depleted Below Dark S Thick Dark Surface (A				Depleted Matrix Redox Dark Su				☐ Thin Dark Surface☐ Iron-Manganese			RKIR)
	Sandy Mucky Mineral				Depleted Dark S				☐ Piedmont Flood			
	Sandy Gleyed Matrix (Redox Depress				☐ Mesic Spodic (T.	A6) (MLRA 1		
	Sandy Redox (S5)								Red Parent Mate			
	Stripped Matrix (S6) Dark Surface (S7) (LR	RR MIR	2Δ 149R)						☐ Very Shallow Da☐ Other (Explain in		F12)	
	Dark Guriace (G7) (EIX	ix ix, iviLi	(A 143D)						U Other (Explain ii	i itemanto)		
	of Hydrophytic vegetat		vetland hydrol	ogy m	nust be present	, unless dist	urbed or pro	oblemat	ic.			
	e Layer (if observed):											
, ,	:							H	lydric Soil Present?	Yes ⊠	No	
	h (inches):											
Remarks:												

WETLAND DETERMINATION DA	TA FORM - Northco	entral and Northeast Region
Project/Site: <u>Hickory Hill Farms - Mitigation Bank Area</u> City/County Applicant/Owner:	/: Village of Sussex/Wauke	State: WI Sampling Date: 5-22-2019 State: WI Sampling Point: 120
Investigator(s): Chris Jors, Jen Dietl, and Shane Heyel: SEWRPC Landform (hillslope, terrace, etc.): small hill (within larger depression) Subregion (LRR or MLRA): LRR K Soil Map Unit Name: Ogden muck (Oc)	Section, Township, Range Local relief (concave, conv Lat: Long: _	
Are climatic/hydrologic conditions on the site typical for this time of year? Are Vegetation, Soil, or Hydrology significantly disturbed are Vegetation, Soil, or Hydrology naturally problemated.	ed? Are "Normal Circui	(If no, explain in Remarks) mstances" present? Yes ⊠ No □ n any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing s	ampling point location	ons, transects, important features, etc.
Hydrophytic Vegetation Present?	Is the Sampled Area within a Wetland?	⊠ Yes □No
Remarks: (Explain alternative procedures here or in a separate report.	If yes, optional Wetla	
larger wetland.		
HYDROLOGY		
Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)		☐ Surface Soil Cracks (B6)
☐ Surface Water (A1) ☐ Water-S	tained Leaves (B9)	Drainage Patterns (B10)
	Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3) Marl Dep	posits (B15)	Dry-Season Water Table (C2)
	en Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2)	d Rhizospheres on Living Ro	
Drift Deposits (B3)	e of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4) Recent I	ron Reduction in Tilled Soils	· · · · · · · · · · · · · · · · · · ·
	ck Surface (C7)	Shallow Aquitard (D3)
	explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8) Field Observations:		
Surface Water Present? Yes ☐ No ☒ Depth (inches):		
Water Table Present? Yes ☐ No ☑ Depth (inches): _		
Saturation Present? Yes No Depth (inches): 0		Wetland Hydrology Present? Yes ⊠ No □
(includes capillary fringe)	<u> </u>	Wettalid Trydrology Fresent: Fes 🖂 - No 🗀
Describe Recorded Data (stream gauge, monitoring well, aerial photos (Exhibit 3), Aerial Photos (Exhibit 4), and NAIP/FSA Images (Exhibit 12		ailable: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map
Remarks: Saturation (A3) indicator does not apply since a water		
since bedrock was not encountered within 12 inches of the surf	_	
signatures in 10 out of 10 (100%) images taken with normal an checked since timing of last tillage was unknown.	tecedent precipitation. R	ecent fron Reduction in Tilled Solls (C6) Indicator not
checked since timing of last tillage was driknown.		

VEGETATION – Use scientific names of plants. Sampling Point: 120 Absolute Dominant Indicator **Dominance Test worksheet:** Tree Stratum (Plot size: 30' radius) % Cover Species? <u>Status</u> 1. ____ **Number of Dominant Species** That are OBL, FACW, or FAC: 2 (A) 2. ____ 3. ____ **Total Number of Dominant** Species Across All Strata: 2 (B) 4. ____ 5. ____ Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B) 6. ____ Prevalence Index worksheet: 0 = Total Cover Total % Cover of: Multiply by: Sapling/Shrub Stratum (Plot size: 30' radius) **OBL** species x 1 = 1. _____ **FACW** species x 2 =2. ____ FAC species x3 =3. ____ **FACU** species x 4 =4. ____ **UPL** species x 5 = Column Totals: (A) (B) 6. Prevalence Index = B/A = **Hydrophytic Vegetation Indicators:** 7. ____ ☐ Rapid Test for Hydrophytic Vegetation 0 = Total Cover □ Dominance Test is >50% Herb Stratum (Plot size: 5' radius) ☐ Prevalence Index is ≤3.01 ☐ Morphological Adaptations¹ (Provide supporting \boxtimes <u>20</u> FAC 1. Veronica peregrina data in Remarks or on a separate sheet) 6 \boxtimes **OBL** 2. Ranunculus sceleratus ☐ Problematic Hydrophytic Vegetation¹ (Explain) 3 **FACU** 3. Chenopodium album ¹ Indicators of hydric soil and wetland hydrology must Be present, unless disturbed or problematic. 5. _____ **Definitions of Vegetation Strata:** 6. ____ Tree - Woody plants 3in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height 8. ____ \Box 9. ____ Sapling/shrub - Woody plants less than 3in. DBH 10. ____ and greater than 3.28 ft (1 m) tall. 11. _____ **Herb** – All herbaceous (non-woody) plants, regardless \Box 12. ____ of size, and woody plants less than 3.28 ft tall. 29 = Total Cover **Woody vines** – All woody vines greater than 3.28 ft in Woody Vine Stratum (Plot size: 30' radius) height 2. 3. ____ Hydrophytic Vegetation 4. ____ Present? No 🗌 Yes 🖂 0 = Total Cover Remarks: (include photo number here or on a separate sheet.) Atypical (farmed) wetland.

Profile De	scription: (Describe t	o the dep	th needed to do	cument the ind	icator or co	nfirm the a	bsence of indicators.)	Sampling Point: 120
Depth	Matrix			Redox Feat			·	
(inches)	Color (moist)	%	Color (moist)) %	Type ¹	Loc ²	– Texture	Remarks
0-4	N 2.5/	100				-	Silt loam	
4-9	N 2.5/	85	10YR 4/6	10	С	PL M	Silt loam	
	-		10YR 5/2	5		M	-	
9-18	5Y 5/2	75	10YR 5/6	25	С	PL M	Clay loam	with gravel
18+	<u>-</u>							Refusal: Bedrock
	-						-	
						-		
		-				(<u> </u>	-	- -
		-				(<u> </u>	-	- -
¹Type: C=	Concentration, D=Dep	letion, RM	1=Reduced Matrix	, MS= Masked S	Sand Grains		² Location: PL=Pore	Lining, M=Matrix
-	il Indicators:							lematic Hydric Soils ³ :
	Histosol (A1)			Polyvalue Belov	,	8) (LRR R ,		A10) (LRR K, L, MLRA 149B)
	Histic Epipedon (A2) Black Histic (A3)			MLRA 149 Thin Dark Surfa	,	DD MIDA		Redox (A16) (LLR K, L, R) Peat or Peat (S3) (LLR K, L, R
	Hydrogen Sulfide (A4)			Loamy Mucky N				e (S7) (LRR K, L)
	Stratified Layers (A5)			Loamy Gleyed	Matrix (F2)	,		elow Surface (S8) (LRR K, L)
	Depleted Below Dark			Depleted Matri				urface (S9) (LRR K, L)
	Thick Dark Surface (A Sandy Mucky Mineral			Redox Dark Su Depleted Dark				ese Masses (F12) (LRR K, L, I podplain Soils (F19) (MLRA 14 9
	Sandy Gleyed Matrix (Redox Depress				c (TA6) (MLRA 144A, 145, 149
	Sandy Redox (S5)		Ц	. rodox 2 op. ood	5.00 (. 0)			Material (F21)
	Stripped Matrix (S6)							Dark Surface (TF12)
	Dark Surface (S7) (LR	R R, MLF	₹A 149B)				Other (Explain	in in Remarks)
3Indicators	of Hydrophytic vegeta	tion and v	vetland hydrology	must be present	t unless dist	urhed or pr	oblematic	
	e Layer (if observed)		retiana nyarology	mast be present	t, arrioss dist	arbea or pro	obiematio.	
	e: Bedrock						Hydric Soil Present	? Yes⊠ No □
Dept	th (inches): <u>18</u>							
Remarks:								
ı								

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: <u>5-22-2019</u> Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 121 Applicant/Owner: __ State: WI Investigator(s): Chris Jors, Jen Dietl, and Shane Heyel: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): hillslope (steep road embankment) Local relief (concave, convex, none): linear Slope (%): 0-2% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Ogden muck (Oc) NWI classification: None Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? ⊠No ☐Yes ⊠No within a Wetland? ☐ Yes □Yes ⊠No Hydric Soils Present? ⊠No Wetland Hydrology Present? □Yes If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) П П ☐ Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) ☐ Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Drift Deposits (B3) Geomorphic Position (D2) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No 🖂 Depth (inches): __ Water Table Present? Yes \boxtimes Depth (inches): No Saturation Present? Yes 🛛 No 🗌 Depth (inches): 13 Wetland Hydrology Present? Yes No 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4). Remarks: No wetland hydrology indicators observed.

Trace Otractions (Photosine Otherships)	Absolute	Dominant	Indicator	Deminence Test werksheet
<u>Tree Stratum</u> (Plot size: <u>30' radius</u>)	% Cover	Species?	<u>Status</u>	Dominance Test worksheet:
1				Number of Dominant Species That are OBL, FACW, or FAC: 1 (A)
2				That are OBL, FACW, or FAC: 1 (A)
3				Total Number of Dominant
4				Species Across All Strata: <u>3</u> (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 33% (A/B)
7				Prevalence Index worksheet:
_	<u>0</u>	= Total Cov	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				
				<u> </u>
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A = Hydrophytic Vegetation Indicators:
7				Rapid Test for Hydrophytic Vegetation
	<u>0</u>	= Total Cov	er	Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)				☐ Prevalence Index is ≤3.0¹
1. Phalaris arundinacea	<u>30</u>	\boxtimes	FACW	☐ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
2. <u>Taraxacum officinale</u>	<u>25</u>	\boxtimes	<u>FACU</u>	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3. Schedonorus arundinaceus	<u>20</u>	\boxtimes	FACU	
4. Alliaria petiolata	<u>10</u>	П	FACU	Indicators of hydric soil and wetland hydrology must Be present, unless disturbed or problematic.
	<u>2</u>		FACU	be present, unless disturbed of problematic.
5. Ambrosia artemisiifolia	<u> </u>		1700	Definitions of Vegetation Strata:
6				Ğ
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>87</u>	= Total Cov	er	
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in height
1		П		neignt
2				
2				
3		Щ		Hydrophytic
4		ш		Vegetation Present? Yes □ No ☒
	<u>0</u>	= Total Cov	er	Trescit: 165 Ho Z
Remarks: (include photo number here or on a separate sheet	.) Old field.			

Profile Dec	scription: (Describe to	the denth	needed to do	cument the ind	icator or con	firm the a	heance of indicat	ore)	Sampling For	11t. <u>121</u>
FIOIIIE DES		the depth	needed to do			illilli tile al	bserice of indicat	015.)		
Depth (inches)	Matrix Color (moist)	<u></u> %	Color (moist)	Redox Feat	Type ¹	Loc ²	_ Texture		Por	marks
,	· 		Color (moist,		Туре		-			
0-15	10YR 2/2	100					Silt loam		with grit and gra	
15+									Refusal: Gravel	till
								·		
								 .		
							-	 .		
								·		
	Concentration, D=Deple	etion, RM=R	Reduced Matrix	, MS= Masked S	Sand Grains				ining, M=Matrix	2
-	I Indicators:			Daharahaa Dalar	Cf (C(0) // DD D			matic Hydric So	
	Histosol (A1) Histic Epipedon (A2)		Ш	Polyvalue Below MLRA 149		5) (LRR R ,			10) (LRR K, L, M Redox (A16) (LL I	
	Black Histic (A3)			Thin Dark Surfa	,	P MIRA			eat or Peat (S3)	
	Hydrogen Sulfide (A4)		H	Loamy Mucky					S7) (LRR K, L)	(LLICIT, L, IT)
	Stratified Layers (A5)			Loamy Gleyed		, ,			w Surface (S8)	(LRR K, L)
	Depleted Below Dark S	Surface (A11) 🗆	Depleted Matrix	x (F3)		☐ Thir	Dark Surfa	ace (S9) (LRR K	(, L)
	Thick Dark Surface (A1			Redox Dark Su				_	se Masses (F12)	
	Sandy Mucky Mineral (Depleted Dark						9) (MLRA 149B)
	Sandy Gleyed Matrix (S	54)	Ш	Redox Depress	sions (F8)				(TA6) (MLRA 14	4A, 145, 149B)
	Sandy Redox (S5) Stripped Matrix (S6)								aterial (F21) Dark Surface (TF	:12)
	Dark Surface (S7) (LRF	R R. MLRA	149B)						in Remarks)	12)
		,						o. (=xp.a	tomame,	
³ Indicators	of Hydrophytic vegetati	ion and wetl	and hydrology	must be present	t, unless distu	irbed or pro	oblematic.			
	Layer (if observed):									
	: Gravel fill						Hydric Soil	Present?	Yes 🗌	No ⊠
	h (inches): <u>15</u>									
Remarks: 1	No hydric soil indicate	ors observ	ed.							

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: <u>5-22-2019</u> Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 122 Applicant/Owner: ___ State: WI Investigator(s): Chris Jors, Jen Dietl, and Shane Heyel: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): slight depression Local relief (concave, convex, none): concave Slope (%): 0-2% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Ogden muck (Oc) NWI classification: F0Kf Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? □No ⊠Yes □No within a Wetland? □No Hydric Soils Present? ⊠Yes □No Wetland Hydrology Present? ⊠Yes If yes, optional Wetland Site ID: PCA 10 Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) ☐ Surface Water (A1) ☐ Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) \boxtimes Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Oxidized Rhizospheres on Living Roots (C3) Sediment Deposits (B2) \boxtimes Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) П Recent Iron Reduction in Tilled Soils (C6) Algal Mat or Crust (B4) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Other (Explain in Remarks) Inundation Visible on Aerial Imagery (B7) Microtopographic Relief (D4) П Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) **Field Observations:** Surface Water Present? Yes No 🛛 Depth (inches): Water Table Present? Yes 🛚 No 🗌 Depth (inches): 26 Saturation Present? Yes 🖂 No \square Depth (inches): 0 (at surface) Wetland Hydrology Present? No \square Yes 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), Aerial Photos (Exhibit 4), and NAIP/FSA Images (Exhibit 12). Remarks: NAIP/FSA image review found that the sample site exhibited wetness signatures on 10 out of 10 (100%) images taken with normal antecedent precipitation. The sample site is in a depression, but geomorphic position (D2) is not check due to the presence of a drain tile system. Recent Iron Reduction in Tilled Soils (C6) indicator not checked since timing of last tillage was unknown.

Tree Stratum (Plot size: 30' radius)	% Cover	Species?	Indicator <u>Status</u>	Dominance Test worksheet:
1				Number of Dominant Species
2				That are OBL, FACW, or FAC: 1 (A)
3				Total Number of Dominant
4				Species Across All Strata: <u>1</u> (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 100% (A/B)
7				Prevalence Index worksheet:
·· ·	<u>0</u>	= Total Cover	. 	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)	_	- 10tal 00vol		OBL species x 1 =
1				FACW species x 2 =
2	-			FAC species x 3 =
3				FACU species x 4 =
4		Щ		UPL species x 5 =
5				Column Totals: (A) (B)
6	-			Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5' radius)	<u>0</u>	= Total Cover	•	 Dominance Test is >50% Prevalence Index is ≤3.0¹
	<u>8</u>	\boxtimes	FAC	☐ Morphological Adaptations¹ (Provide supporting
1. <u>Veronica peregrina</u>	<u>s</u> 1		FACU	data in Remarks or on a separate sheet)
2. <u>Ambrosia artemisiifolia</u>	<u> </u>		<u>1 A00</u>	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3				¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5				
6				Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Harb All barbassas (non woods) planta regardless
12				Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
	<u>9</u>	= Total Cover		
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in height
1				neignt
2				
2				
3	-			Hydrophytic Vegetation
4				Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet	0 Atypical (f	= Total Cover		
Tremains. (include proto number here of on a separate sheet.	.) Atypicai (i	arried) wetland	J.	

OIL								Sampling Point: 122
Profile Des	scription: (Describe t	o the dep	th needed to do	cument the indi	icator or cor	nfirm the a	bsence of indicators.)	
Depth	Matrix			Redox Feat	ures			
(inches)	Color (moist)	%	Color (moist	:) %	Type ¹	Loc ²	Texture	Remarks
0-5	N 2.5/	100					Loam	
5-10	N 2.5/	90	10YR 4/4	10	С	PL M	Clay loam	
10-27	5Y 5/2	85	10YR 5/8	15	С	PL M	Clay loam	
27+								Refusal: Dolomite
			_				-	
			_				-	
							-	
¹ Type: C=0	Concentration, D=Depl	letion, RN	=Reduced Matrix	k, MS= Masked S	Sand Grains		² Location: PL=Pore	
-	I Indicators:							ematic Hydric Soils ³ :
	Histosol (A1)			Polyvalue Belov		8) (LRR R ,		(10) (LRR K, L, MLRA 149B)
	Histic Epipedon (A2) Black Histic (A3)			MLRA 149 Thin Dark Surfa	,	D MIDA		Redox (A16) (LLR K, L, R) Peat or Peat (S3) (LLR K, L, R)
	Hydrogen Sulfide (A4)		H	Loamy Mucky N				(S7) (LRR K, L)
	Stratified Layers (A5)			Loamy Gleyed				low Surface (S8) (LRR K, L)
	Depleted Below Dark	Surface	(A11)	Depleted Matri				rface (S9) (LRR K, L)
	Thick Dark Surface (A		\boxtimes	Redox Dark Su				ese Masses (F12) (LRR K, L, R)
	Sandy Mucky Mineral			Depleted Dark				odplain Soils (F19) (MLRA 149B)
	Sandy Gleyed Matrix (S4)		Redox Depress	sions (F8)			(TA6) (MLRA 144A, 145, 149B)
	Sandy Redox (S5) Stripped Matrix (S6)						Red Parent M	Dark Surface (TF12)
	Dark Surface (S7) (LR	R R, MLF	(A 149B)					n in Remarks)
_	() (•	,				_	,
	of Hydrophytic vegeta		etland hydrology	must be present	t, unless dist	urbed or pr	oblematic.	
	Layer (if observed)	:						
	:						Hydric Soil Present	? Yes⊠ No □
Remarks:	n (inches):							
Remarks.								

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Project/Site: <u>Hickory Hill Farms - Mitigation Bank Area</u> Sampling Date: <u>5-22-2019</u> City/County: Village of Sussex/Waukesha County Sampling Point: 123 Applicant/Owner: State: WI Investigator(s): Chris Jors, Jen Dietl, and Shane Heyel: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): hillslope (road embankment) Local relief (concave, convex, none): linear Slope (%): 0-2% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Houghton muck (HtA) NWI classification: None Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? ⊠No ☐Yes within a Wetland? ☐ Yes ⊠No ⊠No Hydric Soils Present? ☐Yes □No Wetland Hydrology Present? ⊠Yes If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) \bowtie Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) ☐ Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) ☐ Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Algal Mat or Crust (B4) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No 🖂 Depth (inches): Water Table Present? Yes 🖂 No Depth (inches): 13 Saturation Present? Yes 🖂 No 🗌 Depth (inches): 0 (at surface) **Wetland Hydrology Present?** Yes 🛛 No \square (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4). Remarks:

T 0 (D) (1 (D) (1)	Absolute	Dominant	Indicator	Deminera a Test weeksheet
<u>Tree Stratum</u> (Plot size: <u>30' radius</u>)	% Cover	Species?	<u>Status</u>	Dominance Test worksheet:
1				Number of Dominant Species That are OBL, FACW, or FAC: 1 (A)
2				That are OBL, FACW, or FAC: 1 (A)
3				Total Number of Dominant
4				Species Across All Strata: <u>2</u> (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 50% (A/B)
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cov	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A = Hydrophytic Vegetation Indicators:
7				Rapid Test for Hydrophytic Vegetation
	<u>0</u>	= Total Cov	er	☐ Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)				☐ Prevalence Index is ≤3.0¹
1. Phalaris arundinacea	<u>40</u>	\boxtimes	FACW	Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
2. Alliaria petiolata	<u>35</u>	\boxtimes	<u>FACU</u>	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3. Schedonorus arundinaceus	<u>20</u>		<u>FACU</u>	
4. <u>Cirsium arvense</u>	<u>15</u>		<u>FACU</u>	Indicators of hydric soil and wetland hydrology must Be present, unless disturbed or problematic.
5. Sonchus arvensis	<u>10</u>		<u>FACU</u>	
6. <u>Linaria vulgaris</u>	<u>5</u>		NI (UPL)	Definitions of Vegetation Strata:
	<u> </u>		<u>141 (01 L)</u>	
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height
8				at breast height (bbri), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>125</u>	= Total Cov	er	
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in height
1		П		noight
2				
2				
3		_		Hydrophytic
4		<u> </u>		Vegetation Present? Yes □ No ☒
	0	= Total Cov	er	
Remarks: (include photo number here or on a separate sheet) Ola fiela.			
				1

Sampling Point: 123

Inches Color (moist) % Color (moist) % Type¹ Loc² Texture Remarks 15 N 2.5/ 100 Sandy clay loam Fill material i-19 N 2.5/ 95 5YR 3/4 5 C PL M Clay loam Fill material with gravel	rotile De		tne dep	oth needed to doc			ntirm the a	bsence of indicators.)		
Sandy clay loam Fill material	Depth	-						_		
ype: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains ype: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains ype: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains ype: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains ype: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains ype: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains ype: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains ype: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains ype: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains ype: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains ype: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains ype: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains ype: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains ype: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains ype: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains ype: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains ype: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains ype: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains yellocontration placed Matrix (A1)	(inches)		%	Color (moist)	%	Type ¹	Loc ²		-	emarks
ype: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains Additional Plant	-15									
ype: C=Concentration, D=Depletion, RM=Reduced Matrix, MS= Masked Sand Grains Addit Addit	5-19			5YR 3/4	5	C	PL M		Fill material wit	th gravel
Indicators for Problematic Hydric Soils ³ : Histosol (A1)	9-25	N 2.5/	100					Muck		
Indicators for Problematic Hydric Soils ³ : Histosol (A1)										
Indicators for Problematic Hydric Soils ³ : Histosol (A1)		·		-						
Indicators for Problematic Hydric Soils ³ : Histosol (A1)		· 							_	
Indicators for Problematic Hydric Soils ³ : Histosol (A1)				<u> </u>						
Indicators for Problematic Hydric Soils ³ : Histosol (A1)		·								
Indicators for Problematic Hydric Soils ³ : Histosol (A1)										
Indicators for Problematic Hydric Soils ³ : Histosol (A1)								-		
Indicators for Problematic Hydric Soils ³ : Histosol (A1)										
Indicators for Problematic Hydric Soils ³ : Histosol (A1)		· 		-						
Indicators for Problematic Hydric Soils ³ : Histosol (A1)	ype: C=	Concentration, D=Depl	etion, RN	/I=Reduced Matrix,	MS= Masked S	Sand Grains		² Location: PL=Por	e Lining, M=Matrix	(
☐ Histic Epipedon (A2) MLRA 149B) ☐ Coast Prairie Redox (A16) (LLR K, L, R) ☐ Black Histic (A3) ☐ Thin Dark Surface (S9) (LRR R, MLRA 149B) ☐ 5 cm Mucky Peat or Peat (S3) (LLR K, L, R) ☐ Hydrogen Sulfide (A4) ☐ Loamy Mucky Mineral (F1) (LRR K, L) ☐ Dark Surface (S7) (LRR K, L) ☐ Stratified Layers (A5) ☐ Loamy Gleyed Matrix (F2) ☐ Polyvalue Below Surface (S8) (LRR K, L) ☐ Depleted Below Dark Surface (A11) ☐ Depleted Matrix (F3) ☐ Thin Dark Surface (S9) (LRR K, L) ☐ Thick Dark Surface (A12) ☐ Redox Dark Surface (F6) ☐ Iron-Manganese Masses (F12) (LRR K, L, R) ☐ Sandy Mucky Mineral (S1) ☐ Depleted Dark Surface (F7) ☐ Piedmont Floodplain Soils (F19) (MLRA 144A, 145, 149E) ☐ Sandy Redox (S5) ☐ Redox Depressions (F8) ☐ Mesic Spodic (TA6) (MLRA 144A, 145, 149E) ☐ Stripped Matrix (S6) ☐ Dark Surface (S7) (LRR R, MLRA 149B) ☐ Other (Explain in Remarks) Indicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Patrictive Layer (if observed): Type: ☐ Depth (inches): ☐ Hydric Soil Present? Yes ☐ No ☐ Hydric Soil Present?	dric So	il Indicators:						Indicators for Prob	lematic Hydric S	ioils³:
□ Black Histic (A3) □ Thin Dark Surface (S9) (LRR R, MLRA 149B) □ 5 cm Mucky Peat or Peat (S3) (LLR K, L, R) □ Hydrogen Sulfide (A4) □ Loamy Mucky Mineral (F1) (LRR K, L) □ Dark Surface (S7) (LRR K, L) □ Stratified Layers (A5) □ Loamy Gleyed Matrix (F2) □ Polyvalue Below Surface (S8) (LRR K, L) □ Depleted Below Dark Surface (A11) □ Depleted Matrix (F3) □ Thin Dark Surface (S9) (LRR K, L) □ Thick Dark Surface (A12) □ Redox Dark Surface (F6) □ Iron-Manganese Masses (F12) (LRR K, L, R) □ Sandy Mucky Mineral (S1) □ Depleted Dark Surface (F7) □ Piedmont Floodplain Soils (F19) (MLRA 149B) □ Sandy Redox (S5) □ Redox Depressions (F8) □ Mesic Spodic (TA6) (MLRA 144A, 145, 149B) □ Stripped Matrix (S6) □ Very Shallow Dark Surface (TF12) □ Dark Surface (S7) (LRR R, MLRA 149B) □ Other (Explain in Remarks) Indicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Pestrictive Layer (if observed): □ Type: □ Depth (inches): □ Depth (inches): □ Pesent?		` '					8) (LRR R ,			,
Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR K, L) Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Loamy Gleyed Matrix (F2) Polyvalue Below Surface (S8) (LRR K, L) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thin Dark Surface (S9) (LRR K, L) Thick Dark Surface (A12) Redox Dark Surface (F6) Iron-Manganese Masses (F12) (LRR K, L, R) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Piedmont Floodplain Soils (F19) (MLRA 149 Sandy Gleyed Matrix (S4) Redox Depressions (F8) Mesic Spodic (TA6) (MLRA 144A, 145, 149E Sandy Redox (S5) Red Parent Material (F21) Stripped Matrix (S6) Very Shallow Dark Surface (TF12) Dark Surface (S7) (LRR R, MLRA 149B) Other (Explain in Remarks) Addicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. **Setrictive Layer (if observed):** Type:				П		,	RR MIRA			
□ Stratified Layers (A5) □ Loamy Gleyed Matrix (F2) □ Polyvalue Below Surface (S8) (LRR K, L) □ Depleted Below Dark Surface (A11) □ Depleted Matrix (F3) □ Thin Dark Surface (S9) (LRR K, L) □ Thick Dark Surface (A12) □ Redox Dark Surface (F6) □ Iron-Manganese Masses (F12) (LRR K, L, R □ Sandy Mucky Mineral (S1) □ Depleted Dark Surface (F7) □ Piedmont Floodplain Soils (F19) (MLRA 149 □ Sandy Redox (S5) □ Mesic Spodic (TA6) (MLRA 144A, 145, 149E □ Stripped Matrix (S6) □ Very Shallow Dark Surface (TF12) □ Dark Surface (S7) (LRR R, MLRA 149B) □ Other (Explain in Remarks) Addicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. **Estrictive Layer (if observed):* Type: Depth (inches): Hydric Soil Present? Yes □ No ⋈		` '								
☐ Thick Dark Surface (A12) ☐ Redox Dark Surface (F6) ☐ Iron-Manganese Masses (F12) (LRR K, L, R Piedmont Floodplain Soils (F19) (MLRA 149 Piedmont Floodplain Soils (F19							, ,			
Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Piedmont Floodplain Soils (F19) (MLRA 149 Sandy Gleyed Matrix (S4) Redox Depressions (F8) Mesic Spodic (TA6) (MLRA 144A, 145, 149 Sandy Redox (S5) Red Parent Material (F21) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Indicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Strictive Layer (if observed): Type: Depth (inches):										
Sandy Gleyed Matrix (S4) Redox Depressions (F8) Mesic Spodic (TA6) (MLRA 144A, 145, 149E) Sandy Redox (S5) Red Parent Material (F21) Stripped Matrix (S6) Very Shallow Dark Surface (TF12) Dark Surface (S7) (LRR R, MLRA 149B) Other (Explain in Remarks) dicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Estrictive Layer (if observed): Type: Depth (inches):										
Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) dicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. estrictive Layer (if observed): Type: Depth (inches): Depth (inches):										
Stripped Matrix (S6) □ Dark Surface (S7) (LRR R, MLRA 149B) □ Other (Explain in Remarks) □ Other (Expl			34)	Ц	Redux Depress	SIO(15 (FO)				44A, 145, 149D
adicators of Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Pestrictive Layer (if observed): Type: Depth (inches):										F12)
Setrictive Layer (if observed): Type: Depth (inches):		Dark Surface (S7) (LR	R R, ML	RA 149B)				☐ Other (Expla	ain in Remarks)	
Setrictive Layer (if observed): Type: Depth (inches):	ndiaatara	of Hydrophytic vogotot	ion and i	uotland hudralagu r	nuct be present	t unlaca diat	urhad ar ar	ablamatia		
Type: Hydric Soil Present? Yes No 🗵 Depth (inches):				veliana nyarology i	nust be present	t, uriless dist	urbed or pri	DDIEMAIIC.		
Depth (inches):								Hydric Soil Presen	t? Yes □	No ⊠
emarks: No hydric soil indicators observed.	Dept	h (inches):						,	_	_
	emarks: I	No hydric soil indicat	ors obse	erved.						

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: <u>5-22-2019</u> Project/Site: Hickory Hill Farms - Mitigation Bank Area City/County: Village of Sussex/Waukesha County Sampling Point: 124 Applicant/Owner: State: WI Investigator(s): Chris Jors, Jen Dietl, and Shane Heyel: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): depression Local relief (concave, convex, none): concave Slope (%): 0-2% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Houghton muck (HtA) NWI classification: F0Kf Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? □No ⊠Yes □No within a Wetland? □No Hydric Soils Present? ⊠Yes □No Wetland Hydrology Present? ⊠Yes If yes, optional Wetland Site ID: PCA 10 Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) ☐ Water-Stained Leaves (B9) ☐ Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) П Water marks (B1) ☐ Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Oxidized Rhizospheres on Living Roots (C3) Sediment Deposits (B2) \boxtimes Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) П Recent Iron Reduction in Tilled Soils (C6) Algal Mat or Crust (B4) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Other (Explain in Remarks) Inundation Visible on Aerial Imagery (B7) Microtopographic Relief (D4) П Sparsely Vegetated Concave Surface (B8) **FAC-Neutral Test (D5) Field Observations:** Surface Water Present? Yes 🛚 No 🗌 Depth (inches): 2 Water Table Present? No 🗌 Yes Depth (inches): Saturation Present? Yes No \square Depth (inches): Wetland Hydrology Present? Yes 🖂 № П (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), Aerial Photos (Exhibit 4), and NAIP/FSA Images. Remarks: NAIP/FSA image review found the sample site area exhibited wetness signatures in 10 out of 10 (100%) images taken with normal antecedent precipitation. The sample site is in a depression, but, geomorphic position, indicator D2, is not checked due to the presence of a drain tile system. Recent Iron Reduction in Tilled Soils (C6) indicator not checked since timing of last tillage was unknown.

VEGETATION – Use scientific names of plants. Sampling Point: 124 Absolute Dominant Indicator **Dominance Test worksheet:** Tree Stratum (Plot size: 30' radius) % Cover Species? <u>Status</u> 1. ____ **Number of Dominant Species** That are OBL, FACW, or FAC: 2 (A) 2. ____ 3. ____ **Total Number of Dominant** Species Across All Strata: 2 (B) 4. ____ 5. ____ Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B) 6. ____ Prevalence Index worksheet: 0 = Total Cover Total % Cover of: Multiply by: Sapling/Shrub Stratum (Plot size: 30' radius) **OBL** species x 1 = 1 **FACW** 1. Salix discolor **FACW** species x 2 =2. ____ **FAC** species x3 =3. ____ **FACU** species x 4 =4. ____ **UPL** species x 5 = Column Totals: (A) (B) 6. Prevalence Index = B/A = **Hydrophytic Vegetation Indicators:** 7. ____ ☐ Rapid Test for Hydrophytic Vegetation 1 = Total Cover □ Dominance Test is >50% Herb Stratum (Plot size: 5' radius) ☐ Prevalence Index is ≤3.01 ☐ Morphological Adaptations¹ (Provide supporting \boxtimes <u>25</u> **FACW** 1. Agrostis gigantea data in Remarks or on a separate sheet) \boxtimes **FACW** <u>15</u> 2. Phalaris arundinacea ☐ Problematic Hydrophytic Vegetation¹ (Explain) 8 **OBL** 3. Scirpus atrovirens ¹ Indicators of hydric soil and wetland hydrology must 5 П **FACU** 4. Taraxacum officinale Be present, unless disturbed or problematic. 3 **FACU** 5. Cirsium arvense **Definitions of Vegetation Strata:** 6. ____ 7. ____ Tree - Woody plants 3in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height \Box 9. ____ Sapling/shrub - Woody plants less than 3in. DBH 10. ____ and greater than 3.28 ft (1 m) tall. 11. _____ **Herb** – All herbaceous (non-woody) plants, regardless 12. ____ of size, and woody plants less than 3.28 ft tall.

Remarks: (include photo number here or on a separate sheet.) Atypical (farmed) wetland/fresh (wet) meadow.

= Total Cover

= Total Cover

height

Hydrophytic

Vegetation

Present?

56

0

Woody Vine Stratum (Plot size: 30' radius)

2. ____ 3. ____

4. ____

Woody vines – All woody vines greater than 3.28 ft in

Yes 🖂

No 🗌

Drafile Day	a animati a mar (Da a a milh a da	411	46	-l			finns the s	h	f in diantana \	Sampling Ft	ли. <u>124</u>	_
Profile Des	scription: (Describe to	tne aep	in needed to	aocu			firm the a	bsence	e of indicators.)			
Depth	Matrix				Redox Feat	ures		_				
(inches)	Color (moist)	%	Color (me	oist)	%	Type ¹	Loc ²		Texture	Re	emarks	
0-21	N 2.5/	95	7.5YR 3/4		5	С	PL M	Muck	(
	·											
	· -											_
	·											
	· -											
			•									
		-										\dashv
	·											
	·											
1-									2			
	Concentration, D=Deple	tion, RM	=Reduced Ma	atrix, N	//S= Masked S	and Grains			² Location: PL=Pore L			
-	il Indicators:		1		aharaha Dalam	Cf /C/	0) // DD D		Indicators for Probler	-		
	Histosol (A1) Histic Epipedon (A2)		ı	P	olyvalue Belov MLRA 149		5) (LRR R,		☐ 2 cm Muck (A1 ☐ Coast Prairie R			
	Black Histic (A3)			ПП	hin Dark Surfa	,	D MIDA	1/0R)				
	Hydrogen Sulfide (A4)				oamy Mucky N			1430)	Dark Surface (
	Stratified Layers (A5)				oamy Gleyed I				☐ Polyvalue Belo			
	Depleted Below Dark S	urface (A	-		epleted Matrix				☐ Thin Dark Surfa	, ,		
	Thick Dark Surface (A1				edox Dark Sui						2) (LRR K, L, R)	
	Sandy Mucky Mineral (S	S1)	ſ	□ D	epleted Dark S	Surface (F7)			☐ Piedmont Floor	dplain Soils (F	19) (MLRA 149B)
	Sandy Gleyed Matrix (S	54)	[☐ R	edox Depress	ions (F8)					44A, 145, 149B)	
	Sandy Redox (S5)								Red Parent Ma			
	Stripped Matrix (S6)								☐ Very Shallow D		F12)	
	Dark Surface (S7) (LRF	R, MLR	A 149B)						☐ Other (Explain	in Remarks)		
3Indicators	of Hydrophytic vegetati	on and w	etland hydrol	oav m	uet he present	unlace diet	irhad or nr	hlama	tic			
	E Layer (if observed):	on and w	eliana nyarok	Jgy IIII	ust be present	, uriiess disto	iibed of pit	Juleilla	illo.			
	:								Hydric Soil Present?	Yes ⊠	No 🗆	
	h (inches):								riyane son r resent:	ies 🖂	140	
Remarks:												
rtemants.												

WETLAND DETERMINATION DA	TA FORM – Northcentral and Northeast Region	
Applicant/Owner:	y: Village of Sussex/Waukesha County State: WI Sampling Date: 5-22-2 Sampling Point: 125	<u>2019</u>
Investigator(s): Chris Jors, Jen Dietl, and Shane Heyel: SEWRPC Landform (hillslope, terrace, etc.): steep hillslope (modified stream bank Subregion (LRR or MLRA): LRR K Soil Man Heit Norse: Release work (Re)	Lat: Long: Datum:	
Soil Map Unit Name: Palms muck (Pa) Are climatic/hydrologic conditions on the site typical for this time of year?	NWI classification: <u>None</u> ? Yes ⊠ No □ (If no, explain in Remarks)	
Are Vegetation, Soil, or Hydrology significantly disturbed		
Are Vegetation, Soil, or Hydrology naturally problemati		
SUMMARY OF FINDINGS – Attach site map showing s	ampling point locations, transects, important features, etc.	
Hydrophytic Vegetation Present?	Is the Sampled Area within a Wetland? ☐ Yes ☐ No	
Wettaria Hydrology Frescrit:	If yes, optional Wetland Site ID:	
Remarks: (Explain alternative procedures here or in a separate report.		
HYDROLOGY		
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two rec	<u>quired)</u>
Primary Indicators (minimum of one is required; check all that apply)	☐ Surface Soil Cracks (B6)	
☐ Surface Water (A1) ☐ Water-Si	tained Leaves (B9)	
	Fauna (B13)	
Saturation (A3) Marl Dep	posits (B15)	
` ` '	en Sulfide Odor (C1) Crayfish Burrows (C8)	
☐ Sediment Deposits (B2) ☐ Oxidized	d Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery	(C9)
☐ Drift Deposits (B3) ☐ Presence	e of Reduced Iron (C4) Stunted or Stressed Plants (D1)	
Algal Mat or Crust (B4) Recent I	ron Reduction in Tilled Soils (C6) Geomorphic Position (D2)	
	ck Surface (C7) Shallow Aquitard (D3)	
	Explain in Remarks) Microtopographic Relief (D4)	
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)	
Field Observations: Surface Water Present? Yes □ No ⊠ Depth (inches):		
Surface Water Present? Yes ☐ No ☑ Depth (inches): Water Table Present? Yes ☐ No ☑ Depth (inches):		
Saturation Present? Yes No Depth (inches):		,
(includes capillary fringe)	— Wetland Hydrology Present? Yes ☐ No ☒	I
Describe Recorded Data (stream gauge, monitoring well, aerial photos, (Exhibit 3), and Aerial Photos (Exhibit 4).	, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Sc	oils Map
Remarks: No wetland hydrology indicators observed.		

Tree Stratum (Plot size: 30' radius)	Absolute	Dominant	Indicator	Dominance Test worksheet:
	% Cover	Species?	<u>Status</u>	
1				Number of Dominant Species That are OBL, FACW, or FAC: 0 (A)
2				
3				Total Number of Dominant Species Across All Strata: 2 (B)
4				
5			-	Percent of Dominant Species That Are ORL EACW or EAC: 09/ (A/R)
6				That Are OBL, FACW, or FAC: 0% (A/B)
7				Prevalence Index worksheet:
	<u>O</u>	= Total Cov	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				
				UPL species x 5 =
5				Column Totals: (A) (B)
6			-	Prevalence Index = B/A = Hydrophytic Vegetation Indicators:
7				Rapid Test for Hydrophytic Vegetation
	<u>0</u>	= Total Cov	er	☐ Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)		_		☐ Prevalence Index is ≤3.0¹☐ Morphological Adaptations¹ (Provide supporting
1. Maianthemum racemosa	<u>10</u>	\boxtimes	<u>FACU</u>	data in Remarks or on a separate sheet)
2. <u>Taraxacum officinale</u>	<u>5</u>	\boxtimes	<u>FACU</u>	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3. Alliaria petiolata	<u>3</u>		<u>FACU</u>	1 la disease of hardris and another distribution of hardris
4. <u>Urtica dioica</u>	<u>2</u>		<u>FAC</u>	Indicators of hydric soil and wetland hydrology must Be present, unless disturbed or problematic.
5				
6			·	Definitions of Vegetation Strata:
				Trans. We advantage (7.0 and a result of the sector
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height
8				
9			-	Sapling/shrub – Woody plants less than 3in. DBH
10			-	and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12			-	of size, and woody plants less than 3.28 ft tall.
	<u>20</u>	= Total Cov	er	Woody vines – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30' radius)				height
1				
2				
3		П		Hydrophytia
4			<u> </u>	Hydrophytic Vegetation
	<u> </u>	= Total Cov		Present? Yes □ No ⊠
Remarks: (include photo number here or on a separate sheet.		= 10(a) 000	5 1	
Tromanie. (instage priote names) note of on a coparate office.	, old liola.			

Profile Des	scription: (Describe to	the dep	oth needed to doc	ument the indi	icator or cor	firm the a	bsence of indicators.)	
Depth	Matrix			Redox Feat	ures		_	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
-20	2.5Y 2.5/1	95	2.5Y 5/2	5	D	PL M	Silt loam	dredge spoils mixed with
								driveway gravel
								<u> </u>
			-			î	-	. .
			-				-	
							-	
								-
								.
						-	-	<u> </u>
			-					
							· 	
ype: C=0	Concentration, D=Depl	etion, RN	M=Reduced Matrix,	MS= Masked S	Sand Grains		² Location: PL=Pore	Lining, M=Matrix
dric Soi	I Indicators:							lematic Hydric Soils ³ :
	Histosol (A1)			Polyvalue Belov		8) (LRR R ,		A10) (LRR K, L, MLRA 149B)
	Histic Epipedon (A2) Black Histic (A3)		П -	MLRA 149 Thin Dark Surfa	,	R MIRA		Redox (A16) (LLR K, L, R) Peat or Peat (S3) (LLR K, L, R)
	Hydrogen Sulfide (A4)			oamy Mucky N				e (S7) (LRR K, L)
	Stratified Layers (A5)			oamy Gleyed				elow Surface (S8) (LRR K, L)
	Depleted Below Dark S Thick Dark Surface (A1			Depleted Matrix Redox Dark Su				urface (S9) (LRR K, L)
	Sandy Mucky Mineral (,		Depleted Dark	` '			ese Masses (F12) (LRR K, L, R) podplain Soils (F19) (MLRA 149B
	Sandy Gleyed Matrix (S			Redox Depress				(TA6) (MLRA 144A, 145, 149B)
	Sandy Redox (S5)							Material (F21)
	Stripped Matrix (S6) Dark Surface (S7) (LRI	R R. MI F	RA 149B)					Dark Surface (TF12) in in Remarks)
		,	,					
	of Hydrophytic vegetat		vetland hydrology n	nust be present	t, unless distu	urbed or pr	oblematic.	
	Layer (if observed):						Uhadala Oali Daasaa	0 V 🗆 N- 🗹
	 h (inches):						Hydric Soil Present	? Yes 🗌 No 🛚
		substan	tial to create a sto	eep stream ba	ank next to	a gravel c	l drivewav. Redox depletio	ns observed were not formed
				•		•	oth. No hydric soil indicat	
		-					•	

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region Sampling Date: <u>5-22-2019</u> Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 126 Applicant/Owner: __ State: WI Investigator(s): Chris Jors, Jen Dietl, and Shane Heyel: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): swale Local relief (concave, convex, none): linear concave Slope (%): 0-2% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Palms muck (Pa) NWI classification: None Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No □ (If no, explain in Remarks) Are Vegetation_X_, Soil____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes □ No 🖂 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? □No ⊠Yes within a Wetland? □No □No Hydric Soils Present? ⊠Yes □No Wetland Hydrology Present? ⊠Yes If yes, optional Wetland Site ID: PCA 10 Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. The sample site has significantly disturbed vegetation due to mowing. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) Drainage Patterns (B10) ☐ Water-Stained Leaves (B9) High Water Table (A2) ☐ Aquatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Oxidized Rhizospheres on Living Roots (C3) Sediment Deposits (B2) Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) П Recent Iron Reduction in Tilled Soils (C6) Algal Mat or Crust (B4) \boxtimes Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) П Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) **Field Observations:** Surface Water Present? Yes 🛚 No 🗌 Depth (inches): 2 Water Table Present? No 🗌 Yes Depth (inches): Saturation Present? Yes No \square Depth (inches): Wetland Hydrology Present? Yes 🖂 No \square (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4). Remarks:

VEGETATION – Use scientific names of plants. Sampling Point: 126 Absolute Dominant Indicator **Dominance Test worksheet:** Tree Stratum (Plot size: 30' radius) % Cover Species? <u>Status</u> 1. ____ **Number of Dominant Species** That are OBL, FACW, or FAC: 0 (A) 2. ____ 3. ____ **Total Number of Dominant** Species Across All Strata: 1 (B) 4. ____ 5. ____ Percent of Dominant Species That Are OBL, FACW, or FAC: 0% (A/B) 6. ____ Prevalence Index worksheet: 0 = Total Cover Total % Cover of: Multiply by: Sapling/Shrub Stratum (Plot size: 30' radius) **OBL** species 0 x 1 = 0 1. ____ **FACW** species 0 x 2 =0 2. ____ FAC species 0 x3 =0 3. ____ **FACU** species 98 392 x 4 =4. ____ **UPL** species 0 x 5 = 0 Column Totals: 98 (A) 392 (B) 6. Prevalence Index = B/A = 4.0**Hydrophytic Vegetation Indicators:** 7. ____ ☐ Rapid Test for Hydrophytic Vegetation 0 = Total Cover ☐ Dominance Test is >50% Herb Stratum (Plot size: 5' radius) Prevalence Index is ≤3.0¹ ☐ Morphological Adaptations¹ (Provide supporting \boxtimes 80 **FACU** 1. Poa pratensis data in Remarks or on a separate sheet) **FACU** 10 2. Taraxacum officinale □ Problematic Hydrophytic Vegetation¹ (Explain) 5 **FACU** 3. Trifolium pratense ¹ Indicators of hydric soil and wetland hydrology must П 3 **FACU** 4. Plantago major Be present, unless disturbed or problematic. 5. _____ **Definitions of Vegetation Strata:** 6. ____ \Box 7. ____ Tree - Woody plants 3in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height 8. ____ \Box 9. ____ Sapling/shrub - Woody plants less than 3in. DBH 10. ____ and greater than 3.28 ft (1 m) tall. 11. _____ **Herb** – All herbaceous (non-woody) plants, regardless 12. ____ of size, and woody plants less than 3.28 ft tall. 98 = Total Cover **Woody vines** – All woody vines greater than 3.28 ft in Woody Vine Stratum (Plot size: 30' radius) height 2. 3. _____ Hydrophytic Vegetation 4. ____ Present? Yes 🛚 No \square 0 = Total Cover Remarks: (include photo number here or on a separate sheet.) The sample site is maintained as part of a lawn area. It exhibits indicators of wetland hydrology, including shallow inundation, and has a hydric soil. The site was determined to be wetland with significantly disturbed hydrophytic vegetation. Atypical (mowed) wetland.

OIL									Sampling Point: 126
Profile Des	scription: (Describe t	o the dep	th needed to docu	ument the indica	itor or con	firm the a	bsence o	of indicators.)	
Depth	Matrix		Redox Features						
(inches)	Color (moist)	%	Color (moist)	%	% Type¹ L		Texture		Remarks
0-10	N 2.5/	100					Muck		
10-15	5Y 4/2	85	7.5YR 4/6	15	С	PL M	Clay loa	am	
15-18	N 2.5/	100	_				Muck		
				<u> </u>			-		
			-						
							-		
¹ Type: C=0	Concentration, D=Dep	letion RM	I-Reduced Matrix	MS- Maskad Sar	nd Grains		21	ocation: PL=Pore L	ining M-Matrix
	I Indicators:	ietion, ixiv	- Neduced Matrix, 1	IVIO- IVIASKEU OAI	iu Grains				matic Hydric Soils ³ :
-	Histosol (A1)		☐ F	Polyvalue Below S	Surface (S	8) (LRR R,			10) (LRR K, L, MLRA 149B)
⊠ı	Histic Epipedon (A2)			MLRA 149B)					Redox (A16) (LLR K, L, R)
	Black Histic (A3)			Thin Dark Surface			149B)		eat or Peat (S3) (LLR K, L, R)
	Hydrogen Sulfide (A4) Stratified Layers (A5)			oamy Mucky Mir	, , ,	LRR K, L)			(S7) (LRR K, L) bw Surface (S8) (LRR K, L)
	Depleted Below Dark S	Surface (A		Loamy Gleyed Ma Depleted Matrix (F					face (S9) (LRR K, L)
	Thick Dark Surface (A			Redox Dark Surfa					se Masses (F12) (LRR K, L, R)
	Sandy Mucky Mineral			Depleted Dark Su					odplain Soils (F19) (MLRA 149B)
	Sandy Gleyed Matrix ((S4)	☐ F	Redox Depression	ns (F8)				(TA6) (MLRA 144A, 145, 149B)
	Sandy Redox (S5) Stripped Matrix (S6)							Red Parent Ma	aterial (F21) Dark Surface (TF12)
	Dark Surface (S7) (LR	R R. MLF	RA 149B)						n in Remarks)
	() (,	,					_ ` .	,
	of Hydrophytic vegeta		etland hydrology m	nust be present, ι	ınless distu	urbed or pro	oblematic).	
	Layer (if observed)	:							
	:						Hy	ydric Soil Present?	Yes⊠ No □
	n (inches): Soil is inundated with	h 2 inche	e of water and th	perefore bydric	by definiti	ion - Crito	ria 3 In	addition efforts to	o drain this area include a
									of the soil confirmed additional
indicators.		, and an	excavated portu	with clear discri	arge to th	ic waterwa	ay. i uiti	iei iiivestigation o	ine son commined additional
indicatoro.	•								

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: <u>5-22-2019</u> Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 127 Applicant/Owner: __ State: WI Investigator(s): Chris Jors, Jen Dietl, and Shane Heyel: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): small rise (graded/filled) Local relief (concave, convex, none): convex Slope (%): 0-2% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Palms muck (Pa) NWI classification: None Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? ⊠No ☐Yes within a Wetland? ☐ Yes ⊠No ⊠No Hydric Soils Present? ☐Yes □No Wetland Hydrology Present? ⊠Yes If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) ☐ Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) \boxtimes \boxtimes Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) П ☐ Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) Presence of Reduced Iron (C4) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Algal Mat or Crust (B4) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No 🖂 Depth (inches): Water Table Present? Yes 🖂 No Depth (inches): 10 Saturation Present? Yes 🖂 No 🗌 Depth (inches): 0 (at surface) **Wetland Hydrology Present?** Yes 🛛 No \square (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4). Remarks:

Tree Stratum (Plot size: 30' radius)	Absolute <u>% Cover</u>	Dominant Species?	Indicator Status	Dominance Test worksheet:
1	70 COVEL		Status	Number of Dominant Species
2				That are OBL, FACW, or FAC: 0 (A)
3				Total Number of Dominant Species Across All Strata: 2 (B)
4				
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 0% (A/B)
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4			<u> </u>	UPL species x 5 =
5				-
6				Prevalence Index = B/A = Hydrophytic Vegetation Indicators:
7				Rapid Test for Hydrophytic Vegetation
	<u>0</u>	= Total Cove	er	☐ Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)				☐ Prevalence Index is ≤3.0¹
1. Poa pratensis	<u>55</u>	\boxtimes	<u>FACU</u>	☐ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
2. <u>Taraxacum officinale</u>	<u>30</u>	\boxtimes	<u>FACU</u>	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3. <u>Trifolium repens</u>	<u>12</u>		<u>FACU</u>	
4. Schedonorus arundinaceus	<u>5</u>		<u>FACU</u>	Indicators of hydric soil and wetland hydrology must Be present, unless disturbed or problematic.
	_			be present, unless disturbed of problematic.
5				Definitions of Vegetation Strata:
6				3
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>102</u>	= Total Cove	er	
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in
				height
1		_		
2		Ш		
3		Щ		Hydrophytic
4				Vegetation Present? Yes □ No ☒
	<u>0</u>	= Total Cove	er	Tresent: Tes NO
Remarks: (include photo number here or on a separate sheet.) Mowed la	wn.		

						e:			Sampling Fo	IIIL. <u>121</u>
Profile Des	scription: (Describe to	o the depth r	eeded to docur	ment the indi	cator or con	firm the a	bsence	of indicators.)		
Depth ("and have)	Matrix		0-1 (Redox Feat		12	_	Tanton	D.	
(inches)	Color (moist)		Color (moist)	%	Type ¹	Loc ²	C =l-	Texture		emarks
0-4	10YR 2/1 10YR 2/1	100						y silt loam	w/ large cobble	
4-13		80						y silt loam	w/ large cobbie	and rock iiii
40.	N 2.5/						Muck			
13+									Too wet to pull	up.
							-			
							-			
							-			
1Type: C=0	Concentration, D=Depl	etion PM-P	aduced Matrix M	S- Mackad S	Sand Grains			² Location: PL=Pore	Lining M-Matrix	,
	I Indicators:	elion, Kivi=K	educed Matrix, M	S= Maskeu S	banu Grains			ndicators for Proble		
-	Histosol (A1)		□ Pc	olyvalue Belov	w Surface (S8	3) (LRR R,			(10) (LRR K, L, I	
	Histic Epipedon (A2)			MLRA 149	B)			☐ Coast Prairie	Redox (A16) (LL	-R K, L, R)
	Black Histic (A3)			nin Dark Surfa			149B)		Peat or Peat (S3)	
	Hydrogen Sulfide (A4)			amy Mucky N		LRR K, L)			(S7) (LRR K, L)	
	Stratified Layers (A5)			amy Gleyed				•	ow Surface (S8)	
	Depleted Below Dark S			epleted Matrix					rface (S9) (LRR	
	Thick Dark Surface (A [.] Sandy Mucky Mineral (edox Dark Su epleted Dark				-	ese Masses (F12	9) (MLRA 149B)
	Sandy Mucky Mineral (Sandy Gleyed Matrix (edox Depress						44A, 145, 149B)
	Sandy Redox (S5)	04)		cook Depress	10113 (1 0)			Red Parent M		147, 143, 1430)
	Stripped Matrix (S6)								Dark Surface (T	F12)
	Dark Surface (S7) (LR	R R, MLRA 1	49B)					Other (Explain		,
	of Hydrophytic vegetat		nd hydrology mu	ist be present	t, unless distu	irbed or pro	oblemat	tic.		
	Layer (if observed):						١.		• v =	
	: n (inches):							Hydric Soil Present	? Yes 🗌	No 🛛
	This location was fille	ed/graded in	conjunction w	ith pond cor	struction an	nd surrour	ndina k	andscaping		
ixemaiks. i	This location was line	su/graded ii	conjunction w	itii poila coi	istruction an	ia sarroar	idiriy id	andscaping.		

WETLAN	D DETERMINATION DATA	FORM - Northce	ntral and Northeast	Region					
Project/Site: <u>Hickory Hill Farms, Inc.</u> Applicant/Owner:	City/County: <u>V</u>	/illage of Sussex/Waukesh	<u>ha County</u> State: <u>WI</u>	Sampling Date: <u>5-22-2019</u> Sampling Point: <u>128</u>					
Investigator(s): <u>Chris Jors, Jen Dietl,</u> Landform (hillslope, terrace, etc.): <u>de</u> Subregion (LRR or MLRA): <u>LRR K</u> Soil Map Unit Name: <u>Water (W)</u>	pression (constructed pond) Lo	ocal relief (concave, conve at: Long:	Datum: NWI cla	N-R19E Slope (%): N/A assification: W0Hx					
Are Vegetation, Soil, or Hy	drology significantly disturbed?	Are "Normal Circum (If, needed, explain	(If no, explain in Remarks) astances" present? Yes ☐ any answers in Remarks.) ns, transects, importa						
Hydrophytic Vegetation Present? Hydric Soils Present? Wetland Hydrology Present?	Yes	Is the Sampled Area within a Wetland?	⊠ Yes	□No					
	Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. The unvegetated sample site has significantly disturbed vegetation due to management as an open water pond.								
HYDROLOGY									
Wetland Hydrology Indicators: Primary Indicators (minimum of one Surface Water (A1) High Water Table (A2) Saturation (A3) Water marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aeria Sparsely Vegetated Conc Field Observations: Surface Water Present? Yes [Saturation Present? Yes [Saturation Present? Yes [(includes capillary fringe) Describe Recorded Data (stream ga (Exhibit 3), and Aerial Photos (Exhib	Water-Stain Aquatic Fau Marl Deposi Hydrogen S Oxidized Rr Presence of Recent Iron Thin Muck S Other (Explain Cave Surface (B8) No Depth (inches): No Depth (inches):	its (B15) Sulfide Odor (C1) nizospheres on Living Roc f Reduced Iron (C4) Reduction in Tilled Soils Surface (C7) ain in Remarks)	Surface So Drainage F Moss Trim Dry-Season Crayfish Bu Saturation Stunted or (C6) Shallow Ac Microtopog FAC-Neutr	Visible on Aerial Imagery (C9) Stressed Plants (D1) sic Position (D2) uitard (D3) raphic Relief (D4) al Test (D5) t? Yes \(\) No \(\)					
Remarks:									

VEGETATION – Use scientific names of plants. Sampling Point: 128 Absolute Dominant Indicator **Dominance Test worksheet:** Tree Stratum (Plot size: 30' radius) % Cover Species? <u>Status</u> 1. ____ \Box **Number of Dominant Species** That are OBL, FACW, or FAC: 0 (A) 2. ____ 3. ____ **Total Number of Dominant** Species Across All Strata: 0 (B) \Box 4. ____ 5. ____ Percent of Dominant Species That Are OBL, FACW, or FAC: 0% (A/B) 6. ____ Prevalence Index worksheet: 0 = Total Cover Total % Cover of: Multiply by: Sapling/Shrub Stratum (Plot size: 30' radius) **OBL** species x 1 = 1. _____ **FACW** species x 2 = 2. ____ FAC species x3 =3. ____ **FACU** species x 4 =4. ____ **UPL** species x 5 = Column Totals: (A) (B) 6. Prevalence Index = B/A = **Hydrophytic Vegetation Indicators:** 7. ____ ☐ Rapid Test for Hydrophytic Vegetation 0 = Total Cover ☐ Dominance Test is >50% Herb Stratum (Plot size: 5' radius) ☐ Prevalence Index is ≤3.01 ☐ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) 2. ____ □ Problematic Hydrophytic Vegetation¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must \Box 4. ____ Be present, unless disturbed or problematic. **Definitions of Vegetation Strata:** 6. ____ \Box Tree - Woody plants 3in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height 8. ____ 9. ____ Sapling/shrub - Woody plants less than 3in. DBH 10. ____ and greater than 3.28 ft (1 m) tall. 11. _____ **Herb** – All herbaceous (non-woody) plants, regardless \Box 12. ____ of size, and woody plants less than 3.28 ft tall. 0 = Total Cover **Woody vines** – All woody vines greater than 3.28 ft in Woody Vine Stratum (Plot size: 30' radius) height 2. 3. ____ Hydrophytic Vegetation Present? Yes 🛚 No \square 0 = Total Cover Remarks: (include photo number here or on a separate sheet.) The sample site is managed as an unvegetated pond with a sand bottom/beach at this location. The site exhibits wetland hydrology indicators and has a hydric soil due to inundation. The pond is likely, at least in part, springfed. Therefore, the sample site was determined to be wetland with significantly disturbed hydrophytic vegetation. Open water.

Drefile De	carintian. (Decaribe to	the denth n		umant tha ind	inatar ar aan	firm the ele	acons of indicators \	Sampling Ft	Jint. <u>120</u>
Profile De	scription: (Describe to	tne deptn ne	eeded to doc			firm the ab	sence of indicators.)		
Depth	Matrix			Redox Fea	tures		_		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Re	emarks
	·								
	<u> </u>								
	·								
				<u> </u>					
				<u> </u>					
	· -								
	-								
1Turner C	Concentration D. Danle	tion DM Doc	duced Metrix	MC Moskod 9	Cond Croins		21 agotion, DI Daro I	ining M Motri	.,
	Concentration, D=Deple	tion, RIVI=Red	duced Matrix,	IVIS= IVIASKED S	Sand Grains		² Location: PL=Pore L		
-	il Indicators:			Dobaroluo Polo	w Curtoss (CC) /I DD D	Indicators for Proble 2 cm Muck (A	-	
	Histosol (A1) Histic Epipedon (A2)			Polyvalue Belo MLRA 149		o) (LKK K,	☐ 2 cm Muck (A ²		
	Black Histic (A3)			Thin Dark Surf	,	D MIDA) (LLR K, L, R)
	Hydrogen Sulfide (A4)			_oamy Mucky	. , .			S7) (LRR K, L)	
	Stratified Layers (A5)			_oamy Gleyed		LIXIX IX, L)		ow Surface (S8)	
	Depleted Below Dark Su	urface (A11)		Depleted Matri			-	ace (S9) (LRR	
	Thick Dark Surface (A12			Redox Dark Su					2) (LRR K, L, R)
	Sandy Mucky Mineral (S			Depleted Dark			_		19) (MLRA 149B)
	Sandy Gleyed Matrix (S			Redox Depress					44A, 145, 149B)
	Sandy Redox (S5)	•	_	·	, ,		Red Parent Ma		, ,
	Stripped Matrix (S6)						□ Very Shallow I	Dark Surface (T	F12)
	Dark Surface (S7) (LRR	R, MLRA 14	9B)				Other (Explain	n in Remarks)	
	of Hydrophytic vegetation	on and wetlan	id hydrology n	nust be presen	t, unless distu	irbed or pro	blematic.		
Restrictiv	e Layer (if observed):								
):						Hydric Soil Present?	Yes ⊠	No 🗌
	th (inches):								
Remarks:	Soils inundated with 4	inches of p	ond water, h	ıydric by defii	nition - Crite	ria 3.			

WETLAND DETERMINATION DA	ATA FORM - Northco	entral and Northeast	Region
Project/Site: <u>Hickory Hill Farms, Inc.</u> City/Coun Applicant/Owner:	ty: Village of Sussex/Waukes	<u>sha County</u> State: <u>WI</u>	Sampling Date: 5-22-2019 Sampling Point: 129
Investigator(s): <u>Chris Jors, Jen Dietl, and Shane Heyel: SEWRPC</u> Landform (hillslope, terrace, etc.): <u>depression/swale</u> Subregion (LRR or MLRA): <u>LRR K</u>		e: SW Quarter, Section 21, T8N vex, none): linear concave Datum:	N-R19E Slope (%): 0-2%
Soil Map Unit Name: Brookston silt loam (BsA)	Lat Long		ssification: None
Are climatic/hydrologic conditions on the site typical for this time of year		(If no, explain in Remarks)	_
Are Vegetation, Soil, or Hydrology significantly disturb		mstances" present? Yes	No 🗆
Are Vegetation, Soil, or Hydrology naturally problems		n any answers in Remarks.)	
SUMMARY OF FINDINGS – Attach site map showing	sampling point location	ons, transects, importar	nt reatures, etc.
Hydrophytic Vegetation Present?	Is the Sampled Area within a Wetland?	a ⊠ Yes	□No
Remarks: (Explain alternative procedures here or in a separate repor	If yes, optional Wetla		
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary Indica	tors (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)		☐ Surface Soil	Cracks (B6)
Surface Water (A1) Water-	Stained Leaves (B9)	Drainage Pa	itterns (B10)
High Water Table (A2)	c Fauna (B13)	Moss Trim L	ines (B16)
Saturation (A3) ■ Marl Delication ■ Marl Delicati	eposits (B15)	Dry-Season	Water Table (C2)
	gen Sulfide Odor (C1)	Crayfish Bur	rows (C8)
Sediment Deposits (B2) Oxidize	ed Rhizospheres on Living Ro		isible on Aerial Imagery (C9)
☐ Drift Deposits (B3) ☐ Presen	nce of Reduced Iron (C4)		stressed Plants (D1)
	t Iron Reduction in Tilled Soils	•	c Position (D2)
☐ Iron Deposits (B5) ☐ Thin M	uck Surface (C7)	Shallow Aqu	itard (D3)
☐ Inundation Visible on Aerial Imagery (B7) ☐ Other ((Explain in Remarks)	Microtopogra	aphic Relief (D4)
☐ Sparsely Vegetated Concave Surface (B8)			l Test (D5)
Field Observations:			
Surface Water Present? Yes No Depth (inches):			
Water Table Present? Yes ⊠ No ☐ Depth (inches): 1			
Saturation Present? Yes ⊠ No ☐ Depth (inches): <u>(</u> (includes capillary fringe)) (at surface)	Wetland Hydrology Present?	? Yes⊠ No □
Describe Recorded Data (stream gauge, monitoring well, aerial photo (Exhibit 3), and Aerial Photos (Exhibit 4).	l s, previous inspections), if av	ailable: Topo Map (Exhibit 1), \	WWI Map (Exhibit 2), Soils Map
Remarks:			

Tree Stratum (Plot size: 30' radius)	Absolute <u>% Cover</u>	Dominant Species?	Indicator Status	Dominance Test worksheet:
1	76 COVEL		Status	Number of Dominant Species
				That are OBL, FACW, or FAC: 2 (A)
2				,
3				Total Number of Dominant Species Across All Strata: 2 (B)
4				
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 100% (A/B)
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
·· <u>—</u>	<u>0</u>	= Total Cove	<u>——</u>	Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5' radius)	<u> </u>	= 10tal 00ve	71	Dominance Test is >50% Prevalence Index is ≤3.0¹
	<u>40</u>	\boxtimes	FACW	☐ Morphological Adaptations¹ (Provide supporting
1. Phalaris arundinacea	<u>20</u>		FAC	data in Remarks or on a separate sheet)
2. Symphyotrichum lateriflorum				☐ Problematic Hydrophytic Vegetation¹ (Explain)
3. Poa pratensis	<u>15</u>		FACU	¹ Indicators of hydric soil and wetland hydrology must
4. <u>Sonchus arvensis</u>	<u>15</u>		<u>FACU</u>	Be present, unless disturbed or problematic.
5. <u>Cirsium arvense</u>	<u>10</u>		<u>FACU</u>	Definitions of Variation Strate.
6. <u>Carex vulpinoidea</u>	<u>3</u>		<u>OBL</u>	Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>103</u>	= Total Cove	er	
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in height
1				neight
2.				
3				
4				Hydrophytic Vegetation
4				Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet) Fresh (we	= Total Cove	!	
Tremaiks. (include photo number here of on a separate sheet.	.) 1 16311 (WC	i) meadow.		

OIL								Sampling Point: 129
Profile Des	scription: (Describe t	o the dep	th needed to docu	ıment the indi	cator or cor	nfirm the a	bsence of indicators.)	
Depth	Matrix			Redox Feat	ures			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	– Texture	Remarks
0-8	N 2.5/	100				-	Loam	
8-18	2.5Y 3/1	90	10YR 5/6	10		PL M	Clay loam	
18-24	5Y 5/2	75	10YR 5/6	25		PL M	Clay loam	
10 24	31 3/2		1011(3/0			1 = 101	Olay loam	
			-					
						-		
							- <u></u>	
¹ Type: C=0	Concentration, D=Depl	letion, RM	l=Reduced Matrix, N	MS= Masked S	and Grains		² Location: PL=Pore L	
-	I Indicators:						Indicators for Problem	
_	Histosol (A1)		∐ F	Polyvalue Belov		8) (LRR R,	•	(10) (LRR K, L, MLRA 149B)
	Histic Epipedon (A2) Black Histic (A3)			MLRA 149 hin Dark Surfa	,			Redox (A16) (LLR K, L, R) eat or Peat (S3) (LLR K, L, R)
	Hydrogen Sulfide (A4)			oamy Mucky N				S7) (LRR K, L)
	Stratified Layers (A5)			oamy Gleyed I	, , ,			ow Surface (S8) (LRR K, L)
	Depleted Below Dark	Surface (A		Depleted Matrix				ace (S9) (LRR K, L)
	Thick Dark Surface (A			Redox Dark Su				se Masses (F12) (LRR K, L, R)
	Sandy Mucky Mineral			Depleted Dark S				dplain Soils (F19) (MLRA 149B)
	Sandy Gleyed Matrix (S4)		Redox Depress	ions (F8)			(TA6) (MLRA 144A, 145, 149B)
	Sandy Redox (S5) Stripped Matrix (S6)						Red Parent Ma	Dark Surface (TF12)
	Dark Surface (S7) (LR	R R. MLF	RA 149B)				☐ Other (Explain	
	· / ·	•	,				_	,
	of Hydrophytic vegeta		etland hydrology m	ust be present	, unless distu	urbed or pro	oblematic.	
	Layer (if observed)	:						
	:						Hydric Soil Present?	Yes ⊠ No □
	h (inches):							
Remarks:								
								!

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: <u>5-22-2019</u> Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 130 Applicant/Owner: ___ State: WI Investigator(s): Chris Jors, Jen Dietl, and Shane Heyel: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): toeslope Local relief (concave, convex, none): concave Slope (%): 0-2% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Brookston silt loam (BsA) NWI classification: None Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? □No ⊠Yes □No within a Wetland? ✓ Yes □No Hydric Soils Present? ⊠Yes □No Wetland Hydrology Present? ⊠Yes If yes, optional Wetland Site ID: PCA 12 Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) ☐ Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) \boxtimes Aquatic Fauna (B13) Moss Trim Lines (B16) \boxtimes Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) ☐ Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Oxidized Rhizospheres on Living Roots (C3) Sediment Deposits (B2) Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) П Recent Iron Reduction in Tilled Soils (C6) Algal Mat or Crust (B4) \boxtimes Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Other (Explain in Remarks) Inundation Visible on Aerial Imagery (B7) Microtopographic Relief (D4) П Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) **Field Observations:** Surface Water Present? Yes No 🛛 Depth (inches): Water Table Present? No 🗌 Yes 🛚 Depth (inches): 9 Saturation Present? Yes 🖂 No \square Depth (inches): 0 (at surface) Wetland Hydrology Present? Yes 🖂 No \square (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4). Remarks: Water level in the soil pit was rising. The sample site is on a slightly concave toeslope well outside the cropped area, thus geomorphic position (D2) is checked.

	Absolute	Dominant	Indicator	Daminana Tari wallahari
<u>Tree Stratum</u> (Plot size: <u>30' radius</u>)	% Cover	Species?	<u>Status</u>	Dominance Test worksheet:
1				Number of Dominant Species
2				That are OBL, FACW, or FAC: 2 (A)
3				Total Number of Dominant
4				Species Across All Strata: 4 (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 50% (A/B)
7				Prevalence Index worksheet:
·· ·	<u>0</u>	= Total Cov		
	⊻	= Total Cov	3 1	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species $\underline{27}$ x 1 = $\underline{27}$
1				FACW species $\underline{50}$ x 2 = $\underline{100}$
2				FAC species $\underline{0}$ x 3 = $\underline{0}$
3				FACU species <u>45</u> x 4 = <u>180</u>
4				UPL species <u>0</u> x 5 = <u>0</u>
5				Column Totals: <u>122</u> (A) <u>307</u> (B)
6				Prevalence Index = B/A = 2.52
7				Hydrophytic Vegetation Indicators:
r	<u>0</u>			Rapid Test for Hydrophytic Vegetation
Harb Otratage (Distrains Elegation)	<u> </u>	= Total Cov	∌I	Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)	25		FACIA	 ☑ Prevalence Index is ≤3.0¹ ☐ Morphological Adaptations¹ (Provide supporting
1. Phalaris arundinacea	<u>35</u>		FACW	data in Remarks or on a separate sheet)
2. Poa pratensis	<u>20</u>	\boxtimes	<u>FACU</u>	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3. Solidago altissima	<u>15</u>	\boxtimes	<u>FACU</u>	¹ Indicators of hydric soil and wetland hydrology must
4. Symphyotrichum puniceum	<u>15</u>	\boxtimes	<u>OBL</u>	Be present, unless disturbed or problematic.
5. <u>Carex pellita</u>	<u>12</u>		OBL	
6. Elymus repens	<u>10</u>		<u>FACU</u>	Definitions of Vegetation Strata:
7. Solidago gigantea	<u>10</u>		FACW	Tree Moody plants 2in (7.6 cm) or more in diameter
	<u>5</u>		FACW	Tree – Woody plants 3in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height
8. Symphyotrichum lanceolatum	<u> </u>		IAOW	
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>122</u>	= Total Cov	er	Man hadron Allega de disconstantes o CO (i i
Woody Vine Stratum (Plot size:)				Woody vines – All woody vines greater than 3.28 ft in height
1				g.n
2				
2		_		
3		<u>-</u>		Hydrophytic Vegetation
4		_ ∐		Present? Yes ⊠ No □
	0	= Total Cov	er	
Remarks: (include photo number here or on a separate sheet	.) Fresn (we	t) meadow.		

Sampling Point: 130

Profile De	scription: (Describe to	o the dep	oth needed to docu			nfirm the a	bsence of indicators.)	
Depth	Matrix			Redox Feat	ures		_	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
-11	2.5Y 2.5/1	100	<u> </u>				Silty clay loam	
1-20	2.5Y 2.5/1	90	7.5YR 3/4	10	C	PL M	Clay loam	
0-26	2.5Y 5/2	80	10YR 4/6	20	C	PL M	Clay loam	
			<u> </u>					
							·	
							·	
	·		·					
	<u> </u>		<u> </u>					
							·	
							·	
		-					·	
Type: C=	Concentration, D=Depl	etion, RN	M=Reduced Matrix, N	MS= Masked S	Sand Grains		² Location: PL=Pore L	Lining, M=Matrix
	il Indicators:	,	,				Indicators for Proble	
	Histosol (A1)		□ P	olyvalue Belov	•	8) (LRR R ,		10) (LRR K, L, MLRA 149B)
	Histic Epipedon (A2) Black Histic (A3)		Пт	MLRA 149 Thin Dark Surfa	,	RR MIRA		Redox (A16) (LLR K, L, R) eat or Peat (S3) (LLR K, L, R)
	Hydrogen Sulfide (A4)			oamy Mucky N				S7) (LRR K, L)
	Stratified Layers (A5)			oamy Gleyed	Matrix (F2)	,		ow Surface (S8) (LRR K, L)
	Depleted Below Dark S			epleted Matrix				face (S9) (LRR K, L)
	Thick Dark Surface (A Sandy Mucky Mineral			Redox Dark Su Depleted Dark S				se Masses (F12) (LRR K, L, R) dplain Soils (F19) (MLRA 149B
	Sandy Macky Milleral Sandy Gleyed Matrix (Redox Depress				(TA6) (MLRA 144A, 145, 149B)
	Sandy Redox (S5)	- ,	_		- (-)		☐ Red Parent Ma	aterial (F21)
	Stripped Matrix (S6)		3 A 4 4 9 B \					Dark Surface (TF12)
Ш	Dark Surface (S7) (LR	R R, MLI	RA 149B)				Other (Explain	in Remarks)
Indicators	of Hydrophytic vegetat	tion and v	vetland hydrology m	ust be present	t, unless dist	urbed or pr	oblematic.	
Restrictive	e Layer (if observed):	:		·				
, ,):						Hydric Soil Present?	Yes⊠ No □
	h (inches):							
Remarks:								

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: <u>5-22-2019</u> Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 131 Applicant/Owner: __ State: WI Investigator(s): Chris Jors, Jen Dietl, and Shane Heyel: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): hillslope Local relief (concave, convex, none): <u>linear convex</u> Slope (%): 0-3% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Lamartine silt loam (LmB) NWI classification: None Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No □ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? ⊠No ☐Yes ⊠No within a Wetland? ☐ Yes ⊠Yes □No Hydric Soils Present? ⊠No Wetland Hydrology Present? □Yes If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) П П ☐ Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) ☐ Presence of Reduced Iron (C4) Drift Deposits (B3) Algal Mat or Crust (B4) Geomorphic Position (D2) Recent Iron Reduction in Tilled Soils (C6) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) \Box FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No 🖂 Depth (inches): _ Water Table Present? Yes 🖂 No 🗌 Depth (inches): 21 Saturation Present? Yes 🛛 No 🗌 Depth (inches): 16 Wetland Hydrology Present? Yes No 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4). Remarks: No wetland hydrology indicators observed.

Trace Otractions (Photosine COL marking)	Absolute	Dominant	Indicator	Deminence Test werkeheet
<u>Tree Stratum</u> (Plot size: <u>30' radius</u>)	% Cover	Species?	<u>Status</u>	Dominance Test worksheet:
1				Number of Dominant Species That are OBL, FACW, or FAC: <u>0</u> (A)
2				That are OBL, FACW, or FAC: 0 (A)
3				Total Number of Dominant
4				Species Across All Strata: <u>2</u> (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 0% (A/B)
7				Prevalence Index worksheet:
·	<u>0</u>	= Total Cov	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
			<u>——</u>	·
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators: ☐ Rapid Test for Hydrophytic Vegetation
	<u>0</u>	= Total Cov	er	☐ Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)				☐ Prevalence Index is ≤3.0¹
1. Bromus inermis	<u>50</u>	\boxtimes	<u>UPL</u>	☐ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
2. Poa pratensis	<u>50</u>	\boxtimes	FACU	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3. Spartina pectinata	<u>10</u>		<u>FACW</u>	
4. <u>Cirsium arvense</u>	<u>5</u>	П	<u>FACU</u>	Indicators of hydric soil and wetland hydrology must Be present, unless disturbed or problematic.
5. Rosa multiflora	<u>2</u>	П	FACU	Bo process, amose distance of problematic.
	=		17100	Definitions of Vegetation Strata:
6				-
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub - Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>117</u>	= Total Cov	er	
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in height
1.		П		noight
2				
2				
3				Hydrophytic Vegetation
4		<u> </u>		Present? Yes ☐ No ☒
	0	= Total Cov	er	
Remarks: (include photo number here or on a separate sheet	.) Ola fiela.			

OIL										Sampling Po	oint: <u>131</u>	
Profile Des	scription: (Describe t	o the dep	th needed to	o doc	ument the indi	cator or con	firm the a	bsence	e of indicators.)			
Donth	Matrix				Redox Featu	ures						
Depth (inches)	Color (moist)	%	Color (n	noist)	%	Type ¹	Loc ²	_	Texture	Re	emarks	
0-11	10YR 2/1	100				.,,,,,		Silt lo				
11-16	2.5Y 4/1	95	10YR 4/6				PL M	Clay				
	· 		-									
16-26	5Y 5/2	75	10YR 5/6		25	C	PL M	Clay	loam			
									_			
			-									
¹Type: C=	Concentration, D=Dep	letion, RM	=Reduced N	/latrix,	MS= Masked S	and Grains			² Location: PL=Pore L	ining, M=Matrix	x	
	il Indicators:								Indicators for Probler			
	Histosol (A1)				Polyvalue Belov	,	8) (LRR R,		2 cm Muck (A1			
	Histic Epipedon (A2)			_	MLRA 149	•			☐ Coast Prairie R			
_	Black Histic (A3)				Thin Dark Surfa			(149B)				, L, R)
	Hydrogen Sulfide (A4) Stratified Layers (A5)	i			Loamy Mucky M Loamy Gleyed M		LKK K, L)		☐ Dark Surface (☐ Polyvalue Belo			1)
	Depleted Below Dark	Surface	(A11)		Depleted Matrix				☐ Thin Dark Surfa			, L)
	Thick Dark Surface (A		,		Redox Dark Sur				☐ Iron-Manganes			K , L, R)
	Sandy Mucky Mineral	(S1)			Depleted Dark S	Surface (F7)			☐ Piedmont Floo			
	Sandy Gleyed Matrix ((S4)			Redox Depressi	ions (F8)			☐ Mesic Spodic (44A, 145	i, 149B)
	Sandy Redox (S5)								Red Parent Ma		T40)	
	Stripped Matrix (S6) Dark Surface (S7) (LR	PR MIF	Δ 149R)						☐ Very Shallow D☐ Other (Explain		F12)	
	Dark Garlace (G1) (El	,	.A 143D)						Otrici (Explain	iii Remarks)		
³ Indicators	of Hydrophytic vegeta	tion and w	etland hydro	ology r	nust be present	, unless distu	urbed or pro	oblema	tic.			
Restrictive	Layer (if observed)	:										
	:								Hydric Soil Present?	Yes 🛚	No 🗆]
Deptl	h (inches):											
Remarks:												

WETLAND DETERMINATION	N DATA FORM - Northc	entral and Northeast R	egion
	/County: Village of Sussex/Wauke	sha County	Sampling Date: <u>5-22-2019</u> Sampling Point: <u>132</u>
Investigator(s): Chris Jors, Jen Dietl, and Shane Heyel: SEWRPC Landform (hillslope, terrace, etc.): slight hillslope Subsection (LRR of MLRA): LRR (C.	Local relief (concave, conv		R19E Slope (%): <u>0-2%</u>
Subregion (LRR or MLRA): <u>LRR K</u> Soil Map Unit Name: <u>Pella silt loam (Ph)</u>	Lat: Long: _		ification: E1Kg
Are climatic/hydrologic conditions on the site typical for this time of	of year? Yes ⊠ No □	(If no, explain in Remarks)	modifin <u>LTTtg</u>
Are Vegetation, Soil, or Hydrology significantly		mstances" present? Yes 🛛	No 🗆
Are Vegetation, Soil, or Hydrology naturally pro		n any answers in Remarks.)	
SUMMARY OF FINDINGS – Attach site map show	ring sampling point location	ons, transects, important	features, etc.
Hydrophytic Vegetation Present? ☐Yes ☑ No	Is the Sampled Area	a	
Hydric Soils Present?	within a Wetland?	☐ Yes	⊠No
Wetland Hydrology Present? ☐ Yes ☐ No			
	If yes, optional Wetla		
Remarks: (Explain alternative procedures here or in a separate	report.) 90-day antecedent pre	cipitation is normal.	
HYDROLOGY Wetland Hydrology Indicators:		Socondary Indicate	ors (minimum of two required)
	only)		
Primary Indicators (minimum of one is required; check all that as		☐ Surface Soil C	, ,
	Vater-Stained Leaves (B9)	Drainage Patt	, ,
	equatic Fauna (B13)	Moss Trim Lin	
	Marl Deposits (B15)		/ater Table (C2)
	lydrogen Sulfide Odor (C1)	Crayfish Burro	
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro		ible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)		essed Plants (D1)
	Recent Iron Reduction in Tilled Soils		
	Thin Muck Surface (C7)		, ,
<u> </u>	Other (Explain in Remarks)		phic Relief (D4)
Sparsely Vegetated Concave Surface (B8) Field Observations:		☐ FAC-Neutral 1	est (D5)
Surface Water Present? Yes ☐ No ☒ Depth (inch	es):		
Water Table Present? Yes ⊠ No ☐ Depth (inch			
Saturation Present? Yes No Depth (inch	·	Wetland Hydrology Present?	Yes⊠ No □
(includes capillary fringe)	, –	Troubling Try at Ology Trocont	100 M 110 M
Describe Recorded Data (stream gauge, monitoring well, aerial	photos, previous inspections), if av	ailable: Topo Map (Exhibit 1), W	WI Map (Exhibit 2), Soils Map
(Exhibit 3), Aerial Photos (Exhibit 4), and NAIP/FSA Images.			
Remarks:			
. Containe.			

	Absolute	Dominant	Indicator	Barrier Tark and Island
<u>Tree Stratum</u> (Plot size: <u>30' radius</u>)	% Cover	Species?	<u>Status</u>	Dominance Test worksheet:
1				Number of Dominant Species
2				That are OBL, FACW, or FAC: 1 (A)
3				Total Number of Dominant
4				Species Across All Strata: <u>3</u> (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 33% (A/B)
7				Prevalence Index worksheet:
··· <u></u>	<u>0</u>	= Total Cove	<u></u>	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
				·
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators: ☐ Rapid Test for Hydrophytic Vegetation
	<u>0</u>	= Total Cove	er	Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)				☐ Prevalence Index is ≤3.0¹
1. Bromus inermis	<u>30</u>	\boxtimes	<u>UPL</u>	☐ Morphological Adaptations¹ (Provide supporting
2. Equisetum arvense	<u>20</u>	\boxtimes	FAC	data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain)
3. Poa pratensis	<u>20</u>	\boxtimes	<u>FACU</u>	Troblematio riyarophiyaro vegetation (Explain)
				¹ Indicators of hydric soil and wetland hydrology must
4. Alliaria petiolata	<u>15</u>		<u>FACU</u>	Be present, unless disturbed or problematic.
5. <u>Symphyotrichum puniceum</u>	<u>10</u>		<u>OBL</u>	Definitions of Vanatation Chartes
6. Arctium minus	<u>8</u>		<u>FACU</u>	Definitions of Vegetation Strata:
7. Sonchus arvensis	<u>5</u>		<u>FACU</u>	Tree – Woody plants 3in. (7.6 cm) or more in diameter
8. Solidago altissima	<u>3</u>		<u>FACU</u>	at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10		П		and greater than 3.28 ft (1 m) tall.
11	·			, ,
		_		Herb – All herbaceous (non-woody) plants, regardless
12	444	<u> </u>		of size, and woody plants less than 3.28 ft tall.
	<u>111</u>	= Total Cove	er	Woody vines – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30' radius)		_		height
1				
2		\Box		
3				Hydrophytic
4.				Vegetation
	<u>0</u>	= Total Cove	er	Present? Yes □ No ☒
Remarks: (include photo number here or on a separate sheet				
` '	,			

OIL										Sampling Po	oint: <u>132</u>	
Profile Des	scription: (Describe t	to the dep	th needed to	docu	ment the indi	cator or con	firm the a	bsence	e of indicators.)			
Depth	Matrix				Redox Featu	ıres						
(inches)	Color (moist)	%	Color (mo	oist)	%	Type ¹	Loc ²	_	Texture	Re	emarks	
0-6	10YR 2/1	100						Silty	clay loam			
6-12	10YR 2/1	90	10YR 4/6		10	С	PL M	Clay I				
12-17	10YR 3/1	50	10YR 4/6		50	С	PL M	Clay I	oam			
17-25	5Y 5/2	80	7.5YR 4/6		15		PL M	Clay I				
	5GY 5/2	5										
								-				
¹Type: C=0	Concentration, D=Dep	letion, RM	=Reduced Ma	atrix, I	MS= Masked S	and Grains			² Location: PL=Pore L			
-	I Indicators:								ndicators for Probler			
	Histosol (A1) Histic Epipedon (A2)		Ĺ	<u></u>	Polyvalue Below MLRA 1498		3) (LRR R ,		☐ 2 cm Muck (A1 ☐ Coast Prairie R			
	Black Histic (A3)		ſ	Пп	Thin Dark Surfa	,	R. MLRA	149B)	5 cm Mucky Pe			
_	Hydrogen Sulfide (A4))	[oamy Mucky M			,	☐ Dark Surface (\$			
	Stratified Layers (A5)		-		oamy Gleyed N				Polyvalue Belo			
	Depleted Below Dark Thick Dark Surface (Depleted Matrix Redox Dark Su				☐ Thin Dark Surfa		K, L) 2) (LRR K, L, R)	١
	Sandy Mucky Mineral		_		Depleted Dark Su						19) (MLRA 1491	
	Sandy Gleyed Matrix				Redox Depressi				☐ Mesic Spodic (
	Sandy Redox (S5)								Red Parent Ma			
	Stripped Matrix (S6) Dark Surface (S7) (LF	DD MID	A 140B)						☐ Very Shallow D☐ Other (Explain		F12)	
	Dark Surface (S7) (LI	XIX IX, IVILIY	.A 143D)						☐ Other (Explain	iii Reiliaiks)		
³ Indicators	of Hydrophytic vegeta	ition and w	etland hydrolo	ogy m	nust be present,	, unless distu	rbed or pro	oblema	tic.			
	Layer (if observed)):										
	:								Hydric Soil Present?	Yes ⊠	No 🗌	
	h (inches):											
Remarks:												

WETLAND DETERMIN	IATION DATA F	FORM – Northce	entral and North	east Region
Project/Site: Hickory Hill Farms - Mitigation Bank Area	City/County: Villa	age of Sussex/Waukes	sha County	Sampling Date: <u>5-22-2019</u>
Applicant/Owner:			State: WI	Sampling Point: <u>133</u>
Investigator(s): <u>Chris Jors, Jen Dietl, and Shane Heyel:</u> Landform (hillslope, terrace, etc.): <u>depression/swale</u>			: <u>SW Quarter, Section</u> /ex, none): <u>linear conca</u>	
Subregion (LRR or MLRA): LRR K		Long:		
Soil Map Unit Name: Pella silt loam (Ph)			N	WI classification: None
Are climatic/hydrologic conditions on the site typical for the		Yes ⊠ No □	(If no, explain in Rema	·
Are Vegetation, Soil, or Hydrology sign Are Vegetation, Soil, or Hydrology nati			nstances" present? \) n any answers in Remar	
SUMMARY OF FINDINGS – Attach site ma				
Commant of the modern and the ma	p snowing samp			
Hydrophytic Vegetation Present?	□No	Is the Sampled Area		_
	⊒No	within a Wetland?	⊠ Ye	s □No
Wetland Hydrology Present? ☐ Yes ☐	□No	If was antiqued \Matha	C:+- ID- DOA 40	
Remarks: (Explain alternative procedures here or in a	separate report) 90-	If yes, optional Wetla	<u> </u>	
itematics. (Explain alternative procedures here of in a	separate report.) 30-	day antecedent pret	cipitation is normal.	
HYDROLOGY				
Wetland Hydrology Indicators:			Secondar	/ Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check	all that apply)		☐ Surfa	ice Soil Cracks (B6)
Surface Water (A1)	☐ Water-Stained	1 Leaves (B0)		age Patterns (B10)
High Water Table (A2)	Aquatic Fauna			Trim Lines (B16)
Saturation (A3)	Marl Deposits			Season Water Table (C2)
Saturation (A3)				
Water marks (B1) Sediment Deposits (B2) Drift Deposits (B3)		fide Odor (C1)		fish Burrows (C8)
Sediment Deposits (B2)		cospheres on Living Ro		ration Visible on Aerial Imagery (C9)
Drift Deposits (B3)		Reduced Iron (C4)		ed or Stressed Plants (D1)
Algal Mat or Crust (B4)		eduction in Tilled Soils		morphic Position (D2)
Iron Deposits (B5)	Thin Muck Su			ow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)	Other (Explain	n in Remarks)		otopographic Relief (D4)
☐ Sparsely Vegetated Concave Surface (B8) Field Observations:			⊠ FAC	Neutral Test (D5)
	epth (inches):			
	epth (inches): 29			
	epth (inches): 8		W 4 111 1 1 5	10 Y M N D
(includes capillary fringe)	ερτίτ (πιστί σ ο). <u>σ</u>		Wetland Hydrology P	resent? Yes 🛛 No 🗌
Describe Recorded Data (stream gauge, monitoring we	ell, aerial photos, previ	ious inspections), if av	ailable: Topo Map (Exh	ibit 1), WWI Map (Exhibit 2), Soils Map
(Exhibit 3), Aerial Photos (Exhibit 4), and NAIP/FSA Im	nages.			
Remarks:				

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1	76 COVEL		Status	Number of Dominant Species
				That are OBL, FACW, or FAC: 2 (A)
2				
3				Total Number of Dominant Species Across All Strata: 2 (B)
4				
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)
6				
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cov	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1. Salix discolor	<u>8</u>	\boxtimes	FACW	FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4	<u></u>			UPL species x 5 =
5				-
6				Prevalence Index = B/A = Hydrophytic Vegetation Indicators:
7				Rapid Test for Hydrophytic Vegetation
	<u>8</u>	= Total Cov	er	□ Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)		<u> </u>		☐ Prevalence Index is ≤3.0¹☐ Morphological Adaptations¹ (Provide supporting
1. <u>Carex stricta</u>	<u>75</u>	\boxtimes	<u>OBL</u>	data in Remarks or on a separate sheet)
2. Phalaris arundinacea	<u>15</u>		<u>FACW</u>	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3. <u>Cirsium arvense</u>	<u>5</u>		<u>FACU</u>	¹ Indicators of hydric soil and wetland hydrology must
4. <u>Urtica dioica</u>	<u>3</u>		FAC	Be present, unless disturbed or problematic.
5				
6				Definitions of Vegetation Strata:
7				Tree Manda displayed Sig (7 Comp) on group in dispracts
				Tree – Woody plants 3in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height
8				
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>98</u>	= Total Cov	er	Woody vines – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30' radius)				height
1				
2.				
3.		П		Hydrophytic
4	·			Hydrophytic Vegetation
T	<u>0</u>	= Total Cov		Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet				
Tromania. (maidae priote namber nere er en a coparate enece	., Dogradou	ooago moaa	· · · ·	

SOIL										Sampling Po	oint: <u>133</u>	
Profile Des	scription: (Describe t	o the dep	th needed to	docu	ument the indi	cator or con	firm the a	bsence	e of indicators.)			
Depth	Matrix				Redox Feat	ures						
(inches)	Color (moist)	%	Color (m	oist)	%	Type ¹	Loc ²		Texture	Re	emarks	
0-4	10YR 2/1	100						Silty	clay loam			
4-13	10YR 2/1	95	10YR 4/6		5	С	PL M	Silty	clay loam			
13-23	2.5Y 2.5/1	75	5YR 4/6		20	С	PL M	Clay	oam			
	. <u></u>		2.5Y 5/2		5	D	М					
23-31	2.5Y 5/2	60	5YR 4/6		30	С	PL M	Clay	oam			
	10YR 2/1	10										
	. <u></u>											
								-				
								-				
17	O	Latina DM	L Dada and M	- 1-1 1	MO Markada				21 (' DI D I	tata a NA NA Cat		
	Concentration, D=Dep	letion, RM	=Reduced Ma	atrix, I	MS= Masked S	and Grains			² Location: PL=Pore L			
-	Histosol (A1)			□ F	Polyvalue Belov	v Surface (St	8) (LRR R,		2 cm Muck (A1			
_	Histic Epipedon (A2)				MLRA 149		, ,		Coast Prairie F			
_	Black Histic (A3)				Thin Dark Surfa			149B)	5 cm Mucky Pe			₹)
	Hydrogen Sulfide (A4)				oamy Mucky M		LRR K, L)		☐ Dark Surface (, ,		
	Stratified Layers (A5) Depleted Below Dark	Surface (A			_oamy Gleyed № Depleted Matrix				☐ Polyvalue Belo☐ Thin Dark Surf			
	Thick Dark Surface (Redox Dark Su				☐ Iron-Manganes			R)
	Sandy Mucky Mineral				Depleted Dark S				☐ Piedmont Floo			
	Sandy Gleyed Matrix (Sandy Redox (S5)	(S4)		∐ F	Redox Depressi	ons (F8)			☐ Mesic Spodic (☐ Red Parent Ma		44A, 145, 149	9B)
	Stripped Matrix (S6)								☐ Very Shallow D		F12)	
	Dark Surface (S7) (LR	R R, MLR	(A 149B)						Other (Explain		,	
2												
	of Hydrophytic vegeta Layer (if observed)		etland hydrol	ogy m	nust be present	, unless distu	irbed or pro	oblema	tic.			
	:	•							Hydric Soil Present?	Yes ⊠	No 🗆	
	h (inches):								riyane don'i resent:	163 🖂	140	
Remarks:	<u> </u>											

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: <u>5-22-2019</u> Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 134 Applicant/Owner: __ State: WI Investigator(s): Chris Jors, Jen Dietl, and Shane Heyel: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): hillslope Local relief (concave, convex, none): linear Slope (%): 0-2% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Brookston silt loam (BsA) NWI classification: None Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? ⊠No □Yes within a Wetland? ☐ Yes ⊠No ⊠Yes □No Hydric Soils Present? ⊠No Wetland Hydrology Present? □Yes If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) П П ☐ Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) ☐ Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Algal Mat or Crust (B4) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) \Box FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No 🖂 Depth (inches): __ Water Table Present? Yes \boxtimes Depth (inches): _ No Saturation Present? Yes 🛛 No 🗌 Depth (inches): 17 Wetland Hydrology Present? Yes No 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4). Remarks: No wetland hydrology indicators observed.

VEGETATION – Use scientific names of plants.

Sampling Point: 134 Indicator **Dominance Test worksheet:**

Tree Stratum (Plot size: 30' radius)	% Cover	Species?	<u>Status</u>	Dominance Test worksheet:
1				Number of Dominant Species
2				That are OBL, FACW, or FAC: 1 (A)
3				Total Number of Dominant
4				Species Across All Strata: 4 (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 25% (A/B)
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cove	r	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1. Lonicera x bella	<u>3</u>	\boxtimes	<u>FACU</u>	FACW species x 2 =
2. Rosa multiflora	<u>3</u>	\boxtimes	<u>FACU</u>	FAC species x 3 =
3. <u>Sambucus nigra</u>	<u>2</u>	\boxtimes	FACW	FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation
	<u>8</u>	= Total Cove	r	Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)				☐ Prevalence Index is ≤3.0¹
1. <u>Bromus inermis</u>	<u>60</u>	\boxtimes	<u>UPL</u>	☐ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
2. Poa pratensis	<u>20</u>		<u>FACU</u>	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3. <u>Urtica dioica</u>	<u>15</u>		<u>FAC</u>	¹ Indicators of hydric soil and wetland hydrology must
4. Arctium minus	<u>12</u>		<u>FACU</u>	Be present, unless disturbed or problematic.
5. Phalaris arundinacea	<u>10</u>		<u>FACW</u>	
6. Taraxacum officinale	<u>3</u>		<u>FACU</u>	Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Harb All barbaccaus (non woody) plants, regardless
12				Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
	<u>120</u>	= Total Cove	r	
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in height
1				
2				
3				Hydrophytic
4				Vegetation
	<u>0</u>	= Total Cove	r	Present? Yes ☐ No ☒
Remarks: (include photo number here or on a separate sheet	.) Old field.			

Absolute

Dominant

	scription: (Describe t	o the dep	oth needed to	docum	ent the ind	licator or cor	nfirm the a	bsence	of indicators.)			
Depth	Matrix				Redox Fea	tures						
(inches)	Color (moist)	%	Color (mo	oist)	%	Type ¹	Loc ²	. <u> </u>	Texture	Re	marks	
)-14	10YR 2/1	100						Silt loa	am			
4-19	2.5Y 2.5/1	90	7.5YR 3/4		5	С	PL M	Clay Id	oam			
			2.5Y 5/2		5	D	М					
19-25	5Y 5/2	75	10YR 4/6		15	С	PL M	Clay Id	oam			
			5YR 3/4		10	С	PL M					
	Concentration, D=Dep	letion, RM	1=Reduced Ma	trix, MS	= Masked S	Sand Grains			Location: PL=Pore Lin			
-	I Indicators: Histosol (A1)		_	☐ Polv	nolue Pala	ow Surface (S	0) // DD D		ndicators for Problem 2 cm Muck (A10			40B\
	Histic Epipedon (A2)		L	_	MLRA 149	,	o) (LKK K,		☐ Coast Prairie Re			
	Black Histic (A3)			☐ Thir		ace (S9) (LR I	R R, MLRA	149B)	5 cm Mucky Pea			
	Hydrogen Sulfide (A4)					Mineral (F1) (LRR K, L)		☐ Dark Surface (S			
	Stratified Layers (A5)	Cf (/	_			Matrix (F2)			Polyvalue Below			(, L)
	Depleted Below Dark S Thick Dark Surface (A		_		leted Matri lox Dark Su				☐ Thin Dark Surface☐ Iron-Manganese			K.I.R)
	Sandy Mucky Mineral		_			Surface (F7)			☐ Piedmont Flood			
	Sandy Gleyed Matrix (lox Depress				☐ Mesic Spodic (T.	A6) (MLRA 1		
	Sandy Redox (S5)								Red Parent Mate			
	Stripped Matrix (S6)	RR MIR	2A 149R)						☐ Very Shallow Da		F12)	
	Stripped Matrix (S6) Dark Surface (S7) (LR	RR, MLF	RA 149B)						☐ Very Shallow Da		F12)	
Indicators	Dark Surface (S7) (LR of Hydrophytic vegeta	tion and v		ogy mus	t be presen	nt, unless distr	urbed or pr	oblemati	Other (Explain in		F12)	
Indicators of	Dark Surface (S7) (LR of Hydrophytic vegeta Layer (if observed)	tion and v		ogy mus	t be presen	nt, unless dist	urbed or pr		Other (Explain in		F12)	
Indicators of Restrictive	Dark Surface (S7) (LR of Hydrophytic vegeta Layer (if observed)	tion and v		ogy mus	t be presen	nt, unless dist	urbed or pr		Other (Explain in		F12) No [
Indicators of Restrictive Type: Depth	Dark Surface (S7) (LR of Hydrophytic vegeta Layer (if observed)	tion and v		gy mus	t be presen	nt, unless distr	urbed or pr		Other (Explain in	n Remarks)		
Indicators of Restrictive Type: Depth	Dark Surface (S7) (LR of Hydrophytic vegeta Layer (if observed)	tion and v		gy mus	t be presen	nt, unless distr	urbed or pr		Other (Explain in	n Remarks)		
Indicators of Restrictive Type: Depth	Dark Surface (S7) (LR of Hydrophytic vegeta Layer (if observed)	tion and v		gy mus	t be presen	nt, unless distr	urbed or pr		Other (Explain in	n Remarks)		
Indicators of Restrictive Type: Depth	Dark Surface (S7) (LR of Hydrophytic vegeta Layer (if observed)	tion and v		ogy mus	t be presen	nt, unless distr	urbed or pr		Other (Explain in	n Remarks)		
Indicators of Restrictive Type: Depth	Dark Surface (S7) (LR of Hydrophytic vegeta Layer (if observed)	tion and v		gy mus	t be presen	nt, unless distr	urbed or pr		Other (Explain in	n Remarks)		
Indicators of Restrictive Type: Depth	Dark Surface (S7) (LR of Hydrophytic vegeta Layer (if observed)	tion and v		ogy mus	t be presen	nt, unless distr	urbed or pr		Other (Explain in	n Remarks)		
Indicators of Restrictive Type: Depth	Dark Surface (S7) (LR of Hydrophytic vegeta Layer (if observed)	tion and v		ogy mus	t be presen	nt, unless dist	urbed or pr		Other (Explain in	n Remarks)		
Indicators of Restrictive Type: Depth	Dark Surface (S7) (LR of Hydrophytic vegeta Layer (if observed)	tion and v		ogy mus	t be presen	nt, unless distr	urbed or pr		Other (Explain in	n Remarks)		
Indicators of Restrictive Type: Depth	Dark Surface (S7) (LR of Hydrophytic vegeta Layer (if observed)	tion and v		ogy mus	t be presen	nt, unless distr	urbed or pr		Other (Explain in	n Remarks)		
Indicators of Restrictive Type: Depth	Dark Surface (S7) (LR of Hydrophytic vegeta Layer (if observed)	tion and v		ogy mus	t be presen	nt, unless distr	urbed or pr		Other (Explain in	n Remarks)		
Indicators of Restrictive Type: Depth	Dark Surface (S7) (LR of Hydrophytic vegeta Layer (if observed)	tion and v		ogy mus	t be presen	nt, unless dist	urbed or pr		Other (Explain in	n Remarks)		
Indicators of Restrictive Type: Depth	Dark Surface (S7) (LR of Hydrophytic vegeta Layer (if observed)	tion and v		ogy mus	t be presen	nt, unless dist	urbed or pr		Other (Explain in	n Remarks)		
Indicators of Restrictive Type: Depth	Dark Surface (S7) (LR of Hydrophytic vegeta Layer (if observed)	tion and v		ogy mus	t be presen	nt, unless distr	urbed or pr		Other (Explain in	n Remarks)		
Indicators of Restrictive Type: Depth	Dark Surface (S7) (LR of Hydrophytic vegeta Layer (if observed)	tion and v		ogy mus	t be presen	nt, unless distr	urbed or pr		Other (Explain in	n Remarks)		
Indicators of Restrictive Type: Depth	Dark Surface (S7) (LR of Hydrophytic vegeta Layer (if observed)	tion and v		ogy mus	t be presen	nt, unless distr	urbed or pr		Other (Explain in	n Remarks)		
Indicators of Restrictive	Dark Surface (S7) (LR of Hydrophytic vegeta Layer (if observed)	tion and v		ogy mus	t be presen	nt, unless distr	urbed or pr		Other (Explain in	n Remarks)		
☐ S ☐ S ☐ S ☐ S ☐ S ☐ S ☐ S ☐ S ☐ S ☐ S	Dark Surface (S7) (LR of Hydrophytic vegeta Layer (if observed)	tion and v		ogy mus	t be presen	nt, unless dist	urbed or pr		Other (Explain in	n Remarks)		
☐ S ☐ S ☐ S ☐ S ☐ S ☐ S ☐ S ☐ S ☐ S ☐ S	Dark Surface (S7) (LR of Hydrophytic vegeta Layer (if observed)	tion and v		ogy mus	t be presen	nt, unless distr	urbed or pr		Other (Explain in	n Remarks)		
Indicators of Restrictive Type: Depth	Dark Surface (S7) (LR of Hydrophytic vegeta Layer (if observed)	tion and v		ogy mus	t be presen	nt, unless distr	urbed or pr		Other (Explain in	n Remarks)		
Indicators of Restrictive Type: Depth	Dark Surface (S7) (LR of Hydrophytic vegeta Layer (if observed)	tion and v		ogy mus	t be presen	nt, unless distr	urbed or pr		Other (Explain in	n Remarks)		
Indicators of Restrictive Type: Depth	Dark Surface (S7) (LR of Hydrophytic vegeta Layer (if observed)	tion and v		ogy mus	t be presen	nt, unless distr	urbed or pr		Other (Explain in	n Remarks)		

WETLAND DETERMI	NATION DATA	FORM - Northc	entral and I	Northeast F	Region
Project/Site: Hickory Hill Farms, Inc.		/illage of Sussex/Wauke			Sampling Date: 5-28-2019
Applicant/Owner:	, , ,	-	State: W	<u>1</u>	Sampling Point: 135
Investigator(s): Chris Jors, Jen Dietl, and Dan Carter:	SEWRPC Se	ection, Township, Range	e: SW Quarter, S	Section 21, T8N-	-R19E
Landform (hillslope, terrace, etc.): toeslope	Lo	ocal relief (concave, con	vex, none): cond	<u>cave</u>	Slope (%): <u>0-3%</u>
Subregion (LRR or MLRA): <u>LRR K</u>	La	at: Long: _	Datu	ım:	
Soil Map Unit Name: Lamartine silt loam (LmB)				NWI class	sification: E1K
Are climatic/hydrologic conditions on the site typical for		Yes 🛛 No 🗌	(If no, explain	·	
Are Vegetation, Soil, or Hydrology si					No 🗆
Are Vegetation, Soil, or Hydrology n	aturally problematic?	(If, needed, explain	n any answers ir	Remarks.)	
SUMMARY OF FINDINGS - Attach site m	ap showing sam	npling point location	ons, transec	ts, importan	t features, etc.
		1		<u> </u>	
Hydrophytic Vegetation Present?	□No	Is the Sampled Area	а		
Hydric Soils Present?	□No	within a Wetland?		⊠ Yes	□No
Wetland Hydrology Present? ☐ Yes	□No				
,	_	If yes, optional Wetla	and Site ID: PCA	12	
Remarks: (Explain alternative procedures here or in	a separate report.) 9	00-day antecedent pre	cipitation is no	rmal.	
			•		
HYDROLOGY					
Wetland Hydrology Indicators:			<u>Se</u>	condary Indicat	ors (minimum of two required)
Primary Indicators (minimum of one is required; chec	k all that apply)			Surface Soil (Cracks (B6)
Surface Water (A1)	□ Water-Stain	ned Leaves (B9)		Drainage Pat	, ,
		` '	<u> </u>	_	
High Water Table (A2)	Aquatic Fau			_ Moss Trim Lii	
Saturation (A3)	Marl Deposi	sits (B15)			Nater Table (C2)
☐ Water marks (B1)	☐ Hydrogen S	Sulfide Odor (C1)		Crayfish Burr	ows (C8)
Sediment Deposits (B2)	Oxidized Rh	hizospheres on Living Ro			sible on Aerial Imagery (C9)
☐ Drift Deposits (B3)		f Reduced Iron (C4)	· /		ressed Plants (D1)
Algel Met er Crust (D4)		` '		_	
□ Water marks (B1) □ Sediment Deposits (B2) □ Drift Deposits (B3) □ Algal Mat or Crust (B4) □ Iron Deposits (B5) □ Inundation Visible on Aerial Imagery (B7)		Reduction in Tilled Soils	· · · —		Position (D2)
Iron Deposits (B5)		Surface (C7)		_ Shallow Aqui	tard (D3)
Inundation Visible on Aerial Imagery (B7)	Other (Expla	ain in Remarks)		_ Microtopogra	phic Relief (D4)
☐ Sparsely Vegetated Concave Surface (B8))			FAC-Neutral	Test (D5)
Field Observations:					
Surface Water Present? Yes ☐ No ☒ [Depth (inches):	_			
Water Table Present? Yes ⊠ No □ [Depth (inches): 10				
	Depth (inches): 0 (at s	surface)	Matlemal III.	.l D	Vaa Man III
(includes capillary fringe)	ocpui (mones). o (ac	<u>Surface)</u>	wetiand Hydro	ology Present?	Yes⊠ No □
Describe Recorded Data (stream gauge, monitoring)	well, aerial photos, pro	evious inspections), if av	vailable: Topo M	ap (Exhibit 1). V	VWI Map (Exhibit 2), Soils Map
(Exhibit 3), and Aerial Photos (Exhibit 4).	well, defial priotos, pro	evious mopeonomoj, ii uv	anabic. Topo ivi	ap (Exhibit 1), v	VVVI Map (Exhibit 2), Golio Map
Remarks: The sample site is located on a slight	ly concave toeslope	e well outside the cror	oped area. The	refore, geomo	orphic position (D2) is
checked.	,			1, 9, 1	, , ,

Tree Stratum (Plot size: 30' radius)	Absolute	Dominant	Indicator	Dominance Test worksheet:
1	% Cover	Species? ☐	<u>Status</u>	Number of Dominant Species
				That are OBL, FACW, or FAC: 3 (A)
2				_ , ,
3				Total Number of Dominant Species Across All Strata: 4 (B)
4				
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 75% (A/B)
6				
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cov	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1. Salix discolor	<u>8</u>	\boxtimes	FACW	FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
· · · · · · · · · · · · · · · · · · ·	8	= Total Cov	er	Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5' radius)	_	- 10tai 001	.	Dominance Test is >50% Prevalence Index is ≤3.0¹
1. Solidago altissima	<u>25</u>	\boxtimes	FACU	☐ Morphological Adaptations¹ (Provide supporting
	<u>20</u>	\boxtimes	FACW	data in Remarks or on a separate sheet)
2. Impatiens capensis	<u>15</u>		OBL	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3. Carex pellita				¹ Indicators of hydric soil and wetland hydrology must
4. Agrostis gigantea	<u>12</u>		<u>FACW</u>	Be present, unless disturbed or problematic.
5. <u>Sonchus arvensis</u>	<u>10</u>		<u>FACU</u>	Definitions of Manufaction Office
6. Equisetum arvense	<u>8</u>		FAC	Definitions of Vegetation Strata:
7. <u>Daucus carota</u>	<u>5</u>		<u>UPL</u>	Tree – Woody plants 3in. (7.6 cm) or more in diameter
8. Poa pratensis	<u>5</u>		<u>FACU</u>	at breast height (DBH), regardless of height
9. <u>Lilium michiganense</u>	<u>2</u>		<u>FACW</u>	Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Harle All barbassas (ran was do) relate representation
12		П		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
	<u>102</u>	= Total Cov	er	, , , , , , , , , , , , , , , , , , , ,
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in
		П		height
1				
2				
3		_		Hydrophytic Vegetation
4		<u></u>		Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet) Frosh (wo	= Total Cov	er	
Remarks. (include prioto number nere of on a separate sneet	.) Flesh (we	i) meadow.		

JOIL										Sampling FC	ли. <u>133</u>
Profile Des	scription: (Describe to	the dep	th needed	to doci	ument the ind	icator or con	firm the a	bsence	of indicators.)		
Depth	Matrix				Redox Feat	ures		_			
(inches)	Color (moist)	%	Color ((moist)	%	Type ¹	Loc ²		Texture	Re	emarks
0-7	N 2.5/	100						Muck		-	
7-12	2.5Y 3/1	94	10YR 3/4		6	С	PL M	Silty	clay loam		
12-19	10YR 6/1	90	2.5Y 5/6		10	С	PL M	Silty	clay loam	with disintegra	ting dolomite
							-				
							-				
							-				
							-				
-											
	Concentration, D=Depl	etion, RM	=Reduced	Matrix,	MS= Masked S	Sand Grains			² Location: PL=Pore L		
-	I Indicators: Histosol (A1)				Polyvalue Belo	w Surface (S	8) (I RR R		Indicators for Proble 2 cm Muck (A	ematic Hydric S A10) (LRR K, L,	
	Histic Epipedon (A2)			Ь.	MLRA 149		o, (Littiti,			Redox (A16) (Ll	
	Black Histic (A3)				Thin Dark Surfa	ace (S9) (LRI	R R, MLRA	149B)		eat or Peat (S3)	
	Hydrogen Sulfide (A4)				_oamy Mucky I		LRR K, L)			(S7) (LRR K, L)	
	Stratified Layers (A5) Depleted Below Dark	Surface	(A11)		_oamy Gleyed Depleted Matrix				•	ow Surface (S8) face (S9) (LRR	
	Thick Dark Surface (A1		(A11)		Redox Dark Si						2) (LRR K, L, R)
	Sandy Mucky Mineral (Depleted Dark				_		(9) (MLRA 149B)
	Sandy Gleyed Matrix (S	S4)		☐ F	Redox Depress	sions (F8)					44A, 145, 149B)
	Sandy Redox (S5) Stripped Matrix (S6)								Red Parent Ma	aterial (F21) Dark Surface (T	F12)
	Dark Surface (S7) (LR I	R R, MLF	(A 149B)						Other (Explain		1 12)
	, , ,		,						_ , ,	,	
	of Hydrophytic vegetat		etland hydr	ology n	nust be presen	t, unless dist	urbed or pr	oblema	tic.		
	Layer (if observed):								Uludaia Cail Bassanto	. v 🖂	No 🗆
	 h (inches):								Hydric Soil Present?	P Yes ⊠	No 🗆
Remarks:	(es):							I			

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: <u>5-28-2019</u> Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 136 Applicant/Owner: __ State: WI Investigator(s): Chris Jors, Jen Dietl, and Dan Carter: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): slight hillslope Local relief (concave, convex, none): linear Slope (%): 2-6% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Hochheim Ioam (HmB) NWI classification: None Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? ⊠No ☐Yes within a Wetland? ☐ Yes ⊠No ⊠No Hydric Soils Present? ☐Yes □No Wetland Hydrology Present? ⊠Yes If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) ☐ Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) \boxtimes \boxtimes Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) ☐ Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) ☐ Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) ☐ Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Algal Mat or Crust (B4) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No 🖂 Depth (inches): _ Water Table Present? Yes 🖂 No 🗌 Depth (inches): 12 Saturation Present? Yes 🛛 No 🗌 Depth (inches): 8 Wetland Hydrology Present? Yes 🖂 No \square (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4). Remarks:

T 0: (D) (D) (D)	Absolute	Dominant	Indicator	Daminanas Tast waylishast
Tree Stratum (Plot size: 30' radius)	% Cover	Species?	Status 54011	Dominance Test worksheet:
1. <u>Carya ovata</u>	<u>35</u>		FACU	Number of Dominant Species That are OBL, FACW, or FAC: 2 (A)
2. Quercus macrocarpa	<u>20</u>		<u>FACU</u>	That are ODE, I AOW, OF AO. 2 (A)
3				Total Number of Dominant
4				Species Across All Strata: 7 (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 29% (A/B)
7				Prevalence Index worksheet:
	<u>55</u>	= Total Cov	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1. Rhamnus cathartica	<u>8</u>	\boxtimes	FAC	FACW species x 2 =
2. Rosa multiflora	<u>3</u>	\boxtimes	<u>FACU</u>	FAC species x 3 =
·	_			·
3				' <u>—</u> —
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A = Hydrophytic Vegetation Indicators:
7				Rapid Test for Hydrophytic Vegetation
	<u>11</u>	= Total Cov	er	☐ Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)		_		Prevalence Index is ≤3.0¹
1. <u>Bromus inermis</u>	<u>40</u>	\boxtimes	<u>UPL</u>	☐ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
2. <u>Impatiens capensis</u>	<u>30</u>	\boxtimes	<u>FACW</u>	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3. <u>Cirsium arvense</u>	<u>25</u>	\boxtimes	<u>FACU</u>	
4. Equisetum arvense	<u>4</u>		<u>FAC</u>	Indicators of hydric soil and wetland hydrology must Be present, unless disturbed or problematic.
5. <u>Geum canadense</u>	<u>3</u>		<u>FAC</u>	
6. Alliaria petiolata	<u>2</u>		<u>FACU</u>	Definitions of Vegetation Strata:
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Continuate the Manager plants loss than 2 in DDII
10			· 	Sapling/shrub – Woody plants less than 3in. DBH and greater than 3.28 ft (1 m) tall.
				
11				Herb – All herbaceous (non-woody) plants, regardless
12	104	_		of size, and woody plants less than 3.28 ft tall.
	<u>104</u>	= Total Cov	er	Woody vines - All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30' radius)				height
1		브		
2				
3				Hydrophytic
4				Vegetation
	<u>0</u>	= Total Cov	er	Present? Yes ☐ No ☒
Remarks: (include photo number here or on a separate sheet	.) Old field a	and hardwood	ls.	

Sampling Point: 136

Profile De	scription: (Describe to	the dep	oth needed to doc	ument the ind	icator or cor	nfirm the a	bsence of indicators.)	
Depth	Matrix			Redox Feat				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-10	10YR 2/1	100					Silty clay loam	
10-14	10YR 4/3	60	10YR 3/6	40	С	PL M	Clay loam	with gravel
14+								Refusal: Rocks
							-	•
								-
	·							•
			-				-	-
	·							
-							2:	
	Concentration, D=Depl	etion, RM	I=Reduced Matrix,	MS= Masked S	Sand Grains		² Location: PL=Pore	
-	il Indicators: Histosol (A1)		П	Polyvalue Belo	w Surface (S	8) (I RP P		ematic Hydric Soils ³ : A10) (LRR K, L, MLRA 149B)
	Histic Epipedon (A2)		Ц	MLRA 149		o) (LIXIX IX,		Redox (A16) (LLR K, L, R)
	Black Histic (A3)			Thin Dark Surfa	,	R R, MLRA		Peat or Peat (S3) (LLR K, L, R)
	Hydrogen Sulfide (A4)			Loamy Mucky I				(S7) (LRR K, L)
	Stratified Layers (A5)			Loamy Gleyed				low Surface (S8) (LRR K, L)
	Depleted Below Dark S			Depleted Matrix				rface (S9) (LRR K, L)
	Thick Dark Surface (A1 Sandy Mucky Mineral (Redox Dark Su Depleted Dark			_	ese Masses (F12) (LRR K, L, R) odplain Soils (F19) (MLRA 149B)
	Sandy Gleyed Matrix (\$			Redox Depress				c (TA6) (MLRA 144A, 145, 149B)
	Sandy Redox (S5)	.,			(. 0)		☐ Red Parent M	
	Stripped Matrix (S6)						Very Shallow	Dark Surface (TF12)
	Dark Surface (S7) (LR	R R, MLF	RA 149B)				☐ Other (Explai	n in Remarks)
31 1' 1	at the december of a commentation		or the condition of the condition		(l P - (.	ale and a second	dele es elle	
	of Hydrophytic vegetate • Layer (if observed):		vetland hydrology r	nust be presen	t, unless disti	urbed or pro	oblematic.	
	e: Rocks						Hydric Soil Present	? Yes □ No ⊠
	h (inches): <u>14</u>						Tryuno don r resent	. 165 . 166 .
	No hydric soil indicat	ors obse	erved.					
ı								
l								
l								
1								
1								

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: <u>5-28-2019</u> Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 137 Applicant/Owner: __ State: WI Investigator(s): Chris Jors, Jen Dietl, and Dan Carter: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): slight hillslope Local relief (concave, convex, none): linear Slope (%): 0-3% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Lamartine silt loam (LmB) NWI classification: None Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? ⊠No ☐Yes within a Wetland? ☐ Yes ⊠No □Yes ⊠No Hydric Soils Present? □No Wetland Hydrology Present? ⊠Yes If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) ☐ Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) \boxtimes \boxtimes Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) ☐ Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) ☐ Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) ☐ Presence of Reduced Iron (C4) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Algal Mat or Crust (B4) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No 🖂 Depth (inches): Water Table Present? Yes 🖂 No 🗌 Depth (inches): 8 Saturation Present? Yes 🖂 No 🗌 Depth (inches): 0 (at surface) Wetland Hydrology Present? Yes 🖂 No \square (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4). Remarks:

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1	70 COVE		<u>Otatus</u>	Number of Dominant Species
2			<u> </u>	That are OBL, FACW, or FAC: <u>1</u> (A)
3				Total Number of Dominant
4			<u> </u>	Species Across All Strata: 4 (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 25% (A/B)
7				Prevalence Index worksheet:
r	<u> </u>	= Total Cove		
Ocalica (Obach Otestora (Distrains 00) and inc)	<u> </u>	= Total Cove	;1	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)	12		FACU	OBL species x 1 =
1. Rosa multiflora	<u>12</u>		<u> </u>	FACW species x 2 =
2. Rhamnus cathartica	<u>2</u>		FAC	FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5	-			Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation
	<u>14</u>	= Total Cove	er	☐ Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)		-		☐ Prevalence Index is ≤3.0¹☐ Morphological Adaptations¹ (Provide supporting
1. Poa pratensis	<u>25</u>		FACU	data in Remarks or on a separate sheet)
2. <u>Bromus inermis</u>	<u>20</u>	\boxtimes	<u>UPL</u>	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3. Phalaris arundinacea	<u>18</u>	\boxtimes	<u>FACW</u>	¹ Indicators of hydric soil and wetland hydrology must
4. <u>Cirsium arvense</u>	<u>15</u>		<u>FACU</u>	Be present, unless disturbed or problematic.
5. <u>Sonchus arvensis</u>	<u>15</u>		<u>FACU</u>	
6. <u>Daucus carota</u>	<u>10</u>		<u>UPL</u>	Definitions of Vegetation Strata:
7. Agrostis gigantea	<u>8</u>		<u>FACW</u>	Tree – Woody plants 3in. (7.6 cm) or more in diameter
8. Equisetum arvense	<u>5</u>		<u>FAC</u>	at breast height (DBH), regardless of height
9. Parthenocissus inserta	<u>3</u>		<u>FACU</u>	Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Harb All barbassas (non woods) relate as resulted
12	-			Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
	<u>119</u>	= Total Cove	er	
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in height
1. Vitis riparia	<u>2</u>	П	FAC	neight
2.				
3			<u> </u>	Underwhydie
4				Hydrophytic Vegetation
<u></u>	<u>2</u>	= Total Cove	<u></u>	Present? Yes ☐ No ☒
Remarks: (include photo number here or on a separate sheet		= 10tai 00ve	·1	
	,			

OIL									Sampling Po	oint: <u>137</u>
Profile Des	scription: (Describe to	the dep	th needed to docu	ment the indi	cator or con	firm the al	bsence (of indicators.)		
Depth	Matrix			Redox Featu	ıres					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	— Texture		Remarks	
0-4	10YR 2/1	100		<u> </u>			Silty cla	ay loam		
4-12	10YR 4/2	40	10YR 4/6	60	С	PL M	Clay lo	am		
12+								_	Too wet to pull	l up.
				<u> </u>					<u> </u>	
				<u> </u>			-			
				<u> </u>						
							-			
									-	
¹Type: C=0	Concentration, D=Deple	etion. RM	=Reduced Matrix N	//S= Masked S	and Grains		2	_ocation: PL=Pore I	Lining, M=Matrix	l
	I Indicators:		The second state of the					dicators for Proble		
	Histosol (A1)		□ P	olyvalue Below		8) (LRR R,		,	10) (LRR K, L, l	,
	Histic Epipedon (A2)		_	MLRA 149E	,				Redox (A16) (LI	
	Black Histic (A3)			hin Dark Surfa			149B)		Peat or Peat (S3)	
	Hydrogen Sulfide (A4) Stratified Layers (A5)			oamy Mucky M oamy Gleyed N		LRR K, L)			(S7) (LRR K, L) ow Surface (S8)	
	Depleted Below Dark S	Surface (A		epleted Matrix					face (S9) (LRR	
	Thick Dark Surface (A1			ledox Dark Sur						2) (LRR K, L, R)
	Sandy Mucky Mineral (epleted Dark S						19) (MLRA 149B)
	Sandy Gleyed Matrix (S	S4)	□ R	ledox Depressi	ons (F8)					44A, 145, 149B)
	Sandy Redox (S5) Stripped Matrix (S6)							Red Parent M	laterial (F21) Dark Surface (T	F12\
	Dark Surface (S7) (LRI	R R. MLR	(A 149B)					☐ Other (Explain		1712)
	(-)(,	- ,						,	
	of Hydrophytic vegetati		etland hydrology m	ust be present,	, unless distu	urbed or pro	blemation	D		
	Layer (if observed):								–	
	: n (inches):						l H	ydric Soil Present?	? Yes □	No 🛚
	No hydric soil indicate	ors obse	rved							
rtemarks. r	to riyane son maleat	013 0030	ivea.							

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: <u>5-28-2019</u> Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 138 Applicant/Owner: ___ State: WI Investigator(s): Chris Jors, Jen Dietl, and Dan Carter: SEWRPC Section, Township, Range: SW Quarter, Section 21, T8N-R19E Landform (hillslope, terrace, etc.): toeslope Local relief (concave, convex, none): concave Slope (%): 0-3% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Lamartine silt loam (LmB) NWI classification: E1Kg Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? □No ⊠Yes □No within a Wetland? □No Hydric Soils Present? ⊠Yes □No Wetland Hydrology Present? ⊠Yes If yes, optional Wetland Site ID: PCA 12 Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) ☐ Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) \boxtimes Aquatic Fauna (B13) Moss Trim Lines (B16) \boxtimes Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Oxidized Rhizospheres on Living Roots (C3) Sediment Deposits (B2) Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) П Recent Iron Reduction in Tilled Soils (C6) Algal Mat or Crust (B4) \boxtimes Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) \Box Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) **Field Observations:** Surface Water Present? Yes No 🛛 Depth (inches): Water Table Present? No 🗌 Yes 🛚 Depth (inches): 11 Saturation Present? Yes 🖂 No \square Depth (inches): 0 (at surface) Wetland Hydrology Present? Yes 🖂 No \square (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4). Remarks: The sample site is located on a concave toeslope well outside the cropped area. Therefore, geomorphic position (D2) is checked.

Tree Ctretum (Plet size, 20' redicts)	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30' radius) 1	% Cover	Species? ☐	<u>Status</u>	Number of Dominant Species
2				That are OBL, FACW, or FAC: 1 (A)
3				Total Number of Dominant
				Species Across All Strata: <u>2</u> (B)
4				_ ` _ ` `
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 50% (A/B)
6				
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cov	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)		_		OBL species $\underline{45}$ x 1 = $\underline{45}$
1. Rosa multiflora	<u>3</u>		<u>FACU</u>	FACW species $\underline{0}$ x 2 = $\underline{0}$
2				FAC species <u>23</u> x 3 = <u>69</u>
3				FACU species <u>43</u> x 4 = <u>172</u>
4				UPL species <u>0</u> x 5 = <u>0</u>
5				Column Totals: <u>111</u> (A) <u>286</u> (B)
6				Prevalence Index = $B/A = 2.58$
7				Hydrophytic Vegetation Indicators:
	<u>3</u>	= Total Cov	er	Rapid Test for Hydrophytic Vegetation Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)				Prevalence Index is ≤3.0¹
1. Solidago altissima	<u>35</u>	\boxtimes	<u>FACU</u>	Morphological Adaptations¹ (Provide supporting
2. Symphyotrichum puniceum	<u>30</u>	\boxtimes	<u>OBL</u>	data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain)
3. <u>Carex pellita</u>	<u>15</u>		OBL	
	<u>15</u>		FAC	Indicators of hydric soil and wetland hydrology must Be present, unless disturbed or problematic.
4. <u>Equisetum arvense</u>	<u> </u>		FACU	be present, unless disturbed of problematic.
5. Alliaria petiolata	<u>5</u>		<u>FAC</u>	Definitions of Vegetation Strata:
6. <u>Geum canadense</u>	2		PAC	_
7				Tree – Woody plants 3in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height
8				at breast neight (DDF1), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>105</u>	= Total Cov	er	Woody vines – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30' radius)				height
1. Vitis riparia	<u>3</u>		FAC	
2				
3				Hydrophytic
4				Vegetation
	<u>3</u>	= Total Cov	er	Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet	.) Fresh (we	t) meadow.		

										Sampling FC	iiit. <u>130</u>
Profile Des	scription: (Describe to	the dep	th needed t	o docu			firm the a	bsence	of indicators.)		
Depth	Matrix				Redox Features			_			
(inches)	Color (moist)	%	Color (r	noist)	%	Type ¹	Loc ²		Texture	Re	emarks
0-9	10YR 2/1	100						Silty cl	lay loam		
9-15	10YR 4/2	65	10YR 5/6		35	С	PL M	Clay Id	oam		
15+									_	Too wet to pull	up.
			-					1	_	_	
					<u> </u>			-			
										_	
								-			
											
1Type: C=0	Concentration, D=Deple	ation PM	-Paducad N	Aatriy 1	MS- Masked S	and Grains		2	Location: PL=Pore I	ining M-Matrix	,
	I Indicators:	ellon, Kiv	=Reduced iv	naurx, r	vio= iviaskeu o	and Grains			ndicators for Proble		
-	Histosol (A1)			☐ F	Polyvalue Belov	v Surface (Sf	3) (LRR R,			10) (LRR K, L, I	
	Histic Epipedon (A2)				MLRA 1491		, ,			Redox (A16) (LI	
	Black Histic (A3)				hin Dark Surfa			149B)		eat or Peat (S3)	
	Hydrogen Sulfide (A4)				oamy Mucky N		LRR K, L)			(S7) (LRR K, L)	
	Stratified Layers (A5) Depleted Below Dark	Surface	(811)		oamy Gleyed Notri					ow Surface (S8) face (S9) (LRR	
	Thick Dark Surface (A1		(A11)		Redox Dark Sur						2) (LRR K, L, R)
	Sandy Mucky Mineral (Depleted Dark S						9) (MLRA 149B)
□ ;	Sandy Gleyed Matrix (S				Redox Depressi				☐ Mesic Spodic	(TA6) (MLRA 1	44A, 145, 149B)
	Sandy Redox (S5)								Red Parent M		
	Stripped Matrix (S6) Dark Surface (S7) (LR I	D D MID	A 140B\						☐ Very Shallow ☐ Other (Explain	Dark Surface (T	F12)
	Dark Surface (S7) (LK)	K K, WILL	.A 149D)						☐ Other (Explain	i iii Remarks)	
³ Indicators	of Hydrophytic vegetat	ion and w	etland hydro	ology m	ust be present	, unless distu	irbed or pro	oblemati	c.		
Restrictive	Layer (if observed):						-				
	:							Н	lydric Soil Present?	Yes ⊠	No 🗌
	n (inches):										
Remarks:											

WETLAND DETERMINATION DA	TA FORM - Northco	entral and Northeast	Region
Project/Site: <u>Hickory Hill Farms, Inc.</u> City/Count Applicant/Owner:	y: Village of Sussex/Wauke	<u>sha County</u> State: <u>WI</u>	Sampling Date: <u>5-28-2019</u> Sampling Point: <u>139</u>
Investigator(s): <u>Chris Jors, Jen Dietl, and Dan Carter: SEWRPC</u> Landform (hillslope, terrace, etc.): <u>depression</u> Subregion (LRR or MLRA): <u>LRR K</u> Soil Map Unit Name: <u>Lamartine silt loam (LmB)</u>	Section, Township, Range Local relief (concave, conv Lat: Long: _	Datum:	N-R19E Slope (%): 0-3% assification: None
Are climatic/hydrologic conditions on the site typical for this time of year Are Vegetation, Soil, or Hydrology significantly disturb Are Vegetation, Soil, or Hydrology naturally problemated to the control of the control	hed? Are "Normal Circuitic? (If, needed, explain	(If no, explain in Remarks) mstances" present? Yes ⊠ n any answers in Remarks.)	
SUMMARY OF FINDINGS – Attach site map showing s	sampling point location	ons, transects, importa	int features, etc.
Hydrophytic Vegetation Present?	Is the Sampled Area within a Wetland?	a ⊠ Yes	□No
Remarks: (Explain alternative procedures here or in a separate report	If yes, optional Wetla		
HYDROLOGY			() ()
Wetland Hydrology Indicators:			ators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	(D0)		il Cracks (B6)
<u> </u>	Stained Leaves (B9)		atterns (B10)
	Fauna (B13) posits (B15)		Lines (B16) n Water Table (C2)
☐ Water marks (B1) ☐ Hydroge	en Sulfide Odor (C1)	☐ Crayfish Bu	
Sediment Deposits (B2)	d Rhizospheres on Living Ro		Visible on Aerial Imagery (C9)
☐ Drift Deposits (B3) ☐ Presence	ce of Reduced Iron (C4)		Stressed Plants (D1)
☐ Algal Mat or Crust (B4) ☐ Recent	Iron Reduction in Tilled Soils		ic Position (D2)
	ıck Surface (C7)	☐ Shallow Aq	, ,
☐ Inundation Visible on Aerial Imagery (B7) ☐ Other (B	Explain in Remarks)		raphic Relief (D4)
Sparsely Vegetated Concave Surface (B8)			al Test (D5)
Field Observations:			
Surface Water Present? Yes No Depth (inches): _			
Water Table Present? Yes \boxtimes No \square Depth (inches): $\underline{1}$	2		
Saturation Present? Yes ⊠ No ☐ Depth (inches): 6 (includes capillary fringe)		Wetland Hydrology Presen	t? Yes⊠ No □
Describe Recorded Data (stream gauge, monitoring well, aerial photos (Exhibit 3), and Aerial Photos (Exhibit 4).	l, previous inspections), if av	ailable: Topo Map (Exhibit 1)	, WWI Map (Exhibit 2), Soils Map
Remarks:			

VEGETATION – Use scientific names of plants.

Sapling/Shrub Stratum (Plot size: 30' radius)

Herb Stratum (Plot size: 5' radius)

Woody Vine Stratum (Plot size: 30' radius)

1. Phalaris arundinacea

Tree Stratum (Plot size: 30' radius)

1. _____

2. ____

3. ____

4. _____

6. ____

1. _____

2. ____

7. ____

2. ____ 3. _____

9. ____

11. ____

12. ____

2. ____ 3. ____ Absolute

% Cover

0

0

<u>85</u>

<u>85</u>

0

Dominant

Species?

 \Box

= Total Cover

 \boxtimes

 \Box

 \Box \Box \Box

 \Box \Box

= Total Cover

= Total Cover

= Total Cover

ndicator Status	Dominance Test worksheet:							
<u>Otatus</u>	Number of Dominant Species							
	That are OBL, FACW, or FAC: 1 (A)							
	Total Number of Dominant Species Across All Strata: 1 (B)							
_	Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)							
	Prevalence Index worksheet:							
	Total % Cover of: Multiply by:							
	OBL species x 1 =							
	FACW species x 2 =							
	FAC species x 3 =							
	FACU species x 4 =							
	UPL species x 5 =							
	Column Totals: (A) (B)							
	Prevalence Index = B/A =							
	Hydrophytic Vegetation Indicators:							
	Rapid Test for Hydrophytic Vegetation							
FACW	☐ Morphological Adaptations¹ (Provide supporting							
	data in Remarks or on a separate sheet)							
	☐ Problematic Hydrophytic Vegetation¹ (Explain)							
	¹ Indicators of hydric soil and wetland hydrology must							
	Be present, unless disturbed or problematic.							
_	Definitions of Vegetation Strata:							
	Tree – Woody plants 3in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height							
	Sapling/shrub – Woody plants less than 3in. DBH and greater than 3.28 ft (1 m) tall.							
	Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.							
	Woody vines – All woody vines greater than 3.28 ft in height							
	Hydrophytic							
	Vegetation							
	Present? Yes ⊠ No □							

Remarks:	(include photo	number here o	r on a separate sheet.) Degraded fresh	(wet) meadow.
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Drofile Dec	porintian. (Deceribe to	- 4b d	th mandad	<u> </u>			firm the c	bsence of indicators.)	Sampling Folit. 13:	2
Profile Des		o the dep	tn needed	to doci			ifirm the a	bsence of indicators.)		
Depth	Matrix				Redox Feat			_		
(inches)	Color (moist)	%	Color ((moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-10	10YR 2/1	100						Silty clay loam	_	
10-18	2.5Y 5/1	60	10YR 4/6		20	С	PL M	Clay loam		
	2.5Y 4/1	20								
18+									Too wet to pull up.	
			-						_	
									_	
			-							
									_	
¹Type: C=0	Concentration, D=Depl	etion RM	I=Reduced	Matrix	MS= Masked S	Sand Grains		² Location: PL=Poi	e Lining M=Matrix	
	I Indicators:	Otion, reiv	-readoca i	watin, i	WO- Waskea C	and Oramo			plematic Hydric Soils ³ :	
-	Histosol (A1)			□ F	Polyvalue Belov	พ Surface (S	8) (LRR R,		(A10) (LRR K, L, MLRA	149B)
	Histic Epipedon (A2)				MLRA 149	,			e Redox (A16) (LLR K, L	
	Black Histic (A3)				Thin Dark Surfa				Peat or Peat (S3) (LLR	K, L, R)
	Hydrogen Sulfide (A4) Stratified Layers (A5)				₋oamy Mucky N ₋oamy Gleyed I		LRR K, L)		e (S7) (LRR K, L) elow Surface (S8) (LRR I	K 1)
	Depleted Below Dark	Surface	(A11)		Depleted Matri			•	urface (S9) (LRR K, L)	∧, L)
	Thick Dark Surface (A		(,,,,		Redox Dark Su				nese Masses (F12) (LRR	K, L, R)
	Sandy Mucky Mineral				Depleted Dark S				loodplain Soils (F19) (ML	
	Sandy Gleyed Matrix (S4)		□ F	Redox Depress	ions (F8)			ic (TA6) (MLRA 144A, 14	↓5, 149B)
	Sandy Redox (S5)								Material (F21)	
	Stripped Matrix (S6) Dark Surface (S7) (LR	RR MIR	2Δ 149R)						w Dark Surface (TF12) ain in Remarks)	
	Dank Gundoo (G7) (EIK	it it, iiiLi	1400)					Other (Expi	an in Romano,	
³ Indicators	of Hydrophytic vegetat	ion and v	etland hydr	rology m	nust be present	., unless dist	urbed or pro	oblematic.		
Restrictive	Layer (if observed):									
	: <u></u>							Hydric Soil Prese	nt? Yes⊠ No	
	h (inches):									
Remarks:										

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: <u>5-28-2019</u> Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 140 Applicant/Owner: ___ State: WI Investigator(s): Chris Jors, Jen Dietl, and Dan Carter: SEWRPC Section, Township, Range: NW Quarter, Section 28, T8N-R19E Landform (hillslope, terrace, etc.): toeslope Local relief (concave, convex, none): concave Slope (%): 0-3% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Lamartine silt loam (LmB) NWI classification: S3/E2K Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? □No ⊠Yes within a Wetland? □No □No Hydric Soils Present? ⊠Yes □No Wetland Hydrology Present? ⊠Yes If yes, optional Wetland Site ID: PCA 15 Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) ☐ Water-Stained Leaves (B9) Drainage Patterns (B10) \boxtimes High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) \boxtimes Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Oxidized Rhizospheres on Living Roots (C3) Sediment Deposits (B2) Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) П Recent Iron Reduction in Tilled Soils (C6) Algal Mat or Crust (B4) \boxtimes Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) П Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) **Field Observations:** Surface Water Present? Yes No 🛛 Depth (inches): Water Table Present? No 🗌 Yes 🛚 Depth (inches): 12 Saturation Present? Yes 🖂 No \square Depth (inches): 6 Wetland Hydrology Present? Yes 🛛 No \square (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4). Remarks: The sample site is on a wooded, concave toeslope. Therefore, geomorphic position (D2) is checked.

0	Para and	Date	4 4
Samp	IIna	Point:	14

T 0: (D) (: 00 1)	Absolute	Dominant	Indicator	Deminence Test weaksheet
Tree Stratum (Plot size: 30' radius)	% Cover	Species?	Status FACU	Dominance Test worksheet:
1. <u>Tilia americana</u>	<u>30</u>		FACU	Number of Dominant Species That are OBL, FACW, or FAC: <u>5</u> (A)
2. Fraxinus pennsylvanica	<u>10</u>		FACW	
3				Total Number of Dominant Species Across All Strata: 8 (B)
4				Species Across Air Strata.
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 63% (A/B)
7				Prevalence Index worksheet:
	<u>40</u>	= Total Cov	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1. Fraxinus pennsylvanica	<u>25</u>	\boxtimes	FACW	FACW species x 2 =
2. <u>Tilia americana</u>	<u>20</u>	\boxtimes	<u>FACU</u>	FAC species x 3 =
3. <u>Carya ovata</u>	<u>10</u>		<u>FACU</u>	FACU species x 4 =
4. Rhamnus cathartica	<u>5</u>		<u>FAC</u>	UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7		П		Hydrophytic Vegetation Indicators:
	<u>60</u>	= Total Cov	er	Rapid Test for Hydrophytic Vegetation Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)				☐ Prevalence Index is ≤3.0¹
1. Carex radiata	<u>15</u>		FAC	☐ Morphological Adaptations¹ (Provide supporting
Symphyotrichum lateriflorum	<u>12</u>	\boxtimes	FAC	data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain)
3. <u>Carex blanda</u>	<u>10</u>	\boxtimes	FAC	Problematic hydrophytic vegetation (Explain)
	<u>10</u>		NI (UPL)	¹ Indicators of hydric soil and wetland hydrology must
4. <u>Carex hirtifolia</u>				Be present, unless disturbed or problematic.
5. Oxypolis rigidior	<u>8</u>		<u>OBL</u>	Definitions of Vegetation Strata:
6. <u>Viola affinis</u>	<u>8</u>		<u>FACW</u>	Deminions of Vegetation Strata.
7. Apios americana	<u>6</u>		<u>FACW</u>	Tree – Woody plants 3in. (7.6 cm) or more in diameter
8. Rosa multiflora	<u>5</u>		<u>FACU</u>	at breast height (DBH), regardless of height
9. <u>Circaea canadense</u>	<u>3</u>		<u>FACU</u>	Sapling/shrub – Woody plants less than 3in. DBH
10. Fraxinus pennsylvanica	<u>3</u>		FACW	and greater than 3.28 ft (1 m) tall.
11. Hydrophyllum virginianum	<u>3</u>		<u>FAC</u>	Herb – All herbaceous (non-woody) plants, regardless
12. Parthenocissus inserta	<u>3</u>		<u>FACU</u>	of size, and woody plants less than 3.28 ft tall.
	<u>88</u>	= Total Cov	er	
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in height
1				
2.		П		
3.				Urdrankydia
4			<u> </u>	Hydrophytic Vegetation
<u>-</u>	<u>0</u>	= Total Cov		Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet.				cathartica (2%) FAC. Hardwood swamp.
	,			

Drofile Dec	scription: (Describe to	the den	4b noodod	to doo	umant tha indi		firm the e	haanaa	of indicators \	Sampling FC	ли. <u>140</u>	
Profile Des	· · · · · · · · · · · · · · · · · · ·	tne dep	tn needed	το αοςι			ifirm the a	bsence	or indicators.)			
Depth	Matrix				Redox Feat	ures		_				
(inches)	Color (moist)	%	Color ((moist)	%	Type ¹	Loc ²		Texture	Re	emarks	
0-7	10YR 3/1	100						Silt lo	am			
7-18	10YR 4/2	65	10YR 5/6		35	C	PL M	Clay I	oam			
			-						_			
			-									
			-									
¹Tvpe: C=0	Concentration, D=Deple	etion. RM	=Reduced	Matrix.	MS= Masked S	and Grains			² Location: PL=Pore Lin	ing, M=Matrix		
	I Indicators:	,							ndicators for Problem			
-	Histosol (A1)				Polyvalue Belov	v Surface (S	8) (LRR R,		☐ 2 cm Muck (A10)	-		
	Histic Epipedon (A2)				MLRA 149	,			☐ Coast Prairie Re			
	Black Histic (A3)				Thin Dark Surfa			149B)	5 cm Mucky Pea			?)
	Hydrogen Sulfide (A4)				Loamy Mucky N		LRR K, L)		☐ Dark Surface (S			
	Stratified Layers (A5)	Curtage	(844)		Loamy Gleyed I				Polyvalue Below			
	Depleted Below Dark Thick Dark Surface (A1		(A11)		Depleted Matri Redox Dark Sui				☐ Thin Dark Surface☐ Iron-Manganese			D/
	Sandy Mucky Mineral (Depleted Dark Sui				☐ Piedmont Flood			
	Sandy Gleyed Matrix (S				Redox Depress				☐ Mesic Spodic (T			
	Sandy Redox (S5)	,			·	` ,			☐ Red Parent Mate			,
	Stripped Matrix (S6)								☐ Very Shallow Da		F12)	
	Dark Surface (S7) (LRI	R R, MLF	(A 149B)						Other (Explain in	Remarks)		
31	-f		والمراجع المراجع			بالمالية ممالية			u:_			
	of Hydrophytic vegetatie Layer (if observed):	on and w	etiana nyar	ology n	nust be present	, uniess disti	arbed or pro	obiema	IIC.			
	:							١.	Hydria Sail Bracant?	Yes ⊠	No 🗌	
	 h (inches):								Hydric Soil Present?	res 🖂	NO 🗀	
	No hydric soil indicate	ors obse	rved									
rtomanto. i	to riyano don malaat	510 0500	1100.									

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: <u>5-28-2019</u> Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 141 Applicant/Owner: ___ State: WI Investigator(s): Chris Jors, Jen Dietl, and Dan Carter: SEWRPC Section, Township, Range: NW Quarter, Section 28, T8N-R19E Landform (hillslope, terrace, etc.): hillslope Local relief (concave, convex, none): linear Slope (%): 0-3% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Lamartine silt loam (LmB) NWI classification: None Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? □No ⊠Yes within a Wetland? ☐ Yes ⊠No ⊠No Hydric Soils Present? □Yes ⊠No Wetland Hydrology Present? □Yes If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) П П ☐ Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) ☐ Presence of Reduced Iron (C4) Drift Deposits (B3) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) \Box FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No 🖂 Depth (inches): __ Water Table Present? Yes \boxtimes Depth (inches): No Saturation Present? Yes 🛛 No 🗌 Depth (inches): 20 Wetland Hydrology Present? Yes No 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4). Remarks: No wetland hydrology indicators observed.

	Absolute	Dominant	Indicator	Desired Test and Island
Tree Stratum (Plot size: 30' radius)	% Cover	Species?	Status	Dominance Test worksheet:
1. <u>Carya cordiformis</u>	<u>20</u>		FAC	Number of Dominant Species That are OBL, FACW, or FAC: 6 (A)
2. Populus tremuloides	<u>15</u>		<u>FAC</u>	That are OBL, FACW, or FAC: 6 (A)
3				Total Number of Dominant
4				Species Across All Strata: <u>8</u> (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 75% (A/B)
7				Prevalence Index worksheet:
	<u>35</u>	= Total Cov	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1. Fraxinus pennsylvanica	<u>45</u>	\boxtimes	FACW	FACW species x 2 =
2. Populus tremuloides	<u>15</u>	\boxtimes	FAC	FAC species x 3 =
3. Zanthoxylum americanum	<u>12</u>		<u>FACU</u>	FACU species x 4 =
4. Rhamnus cathartica	<u>10</u>		<u>FAC</u>	UPL species x 5 =
5. Tilia americana	<u>8</u>		<u>FACU</u>	Column Totals: (A) (B)
6. Lonicera x bella	<u>3</u>		<u>FACU</u>	Prevalence Index = B/A =
7	-			Hydrophytic Vegetation Indicators:
· · · · · · · · · · · · · · · · · · ·	<u>93</u>	= Total Cov	er	☐ Rapid Test for Hydrophytic Vegetation ☐ Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)				☐ Prevalence Index is ≤3.0¹
1. Viola affinis	<u>20</u>		FACW	☐ Morphological Adaptations¹ (Provide supporting
2. Alliaria petiolata	<u>18</u>	\boxtimes	<u>FACU</u>	data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain)
3. Carex sparganioides	<u>15</u>	\boxtimes	FACU	Troblematic Hydrophytic vegetation (Explain)
	<u>10</u>		FAC	¹ Indicators of hydric soil and wetland hydrology must
4. <u>Hydrophyllum virginianum</u>				Be present, unless disturbed or problematic.
5. <u>Carex radiata</u>	<u>8</u>		<u>FAC</u>	Definitions of Vegetation Strata:
6. <u>Circaea canadense</u>	<u>8</u>		<u>FACU</u>	Johnnone of Vogetation Carata.
7. <u>Geum canadense</u>	<u>5</u>		FAC	Tree – Woody plants 3in. (7.6 cm) or more in diameter
8. <u>Equisetum arvense</u>	<u>3</u>		<u>FAC</u>	at breast height (DBH), regardless of height
9. Rhamnus cathartica	<u>3</u>		<u>FAC</u>	Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>90</u>	= Total Cov	er	Woody vines – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30' radius)				height
1. <u>Vitis riparia</u>	<u>10</u>	\boxtimes	FAC	
2				
3				Hydrophytic
4				Vegetation
	<u>10</u>	= Total Cov	er	Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet	.) Undifferer	ntiated thicket		

OIL									Sampling Po	oint: <u>141</u>
Profile Des	scription: (Describe t	o the depth	needed to docu	ment the indi	cator or con	firm the a	bsence o	f indicators.)		
Depth	Matrix			Redox Feat	ures					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	_	Texture	Re	emarks
0-7	10YR 3/1	100					Silt loan	n		
7-12	10YR 3/2	100					Silt loan	n		
12-24	2.5Y 5/3	100					Silty cla	y loam	-	
								· <u> </u>		
				_						
							-			
								· -		
							-			
								 , -		
							· ·	·		
							· ·	·		
¹Type: C=	Concentration, D=Dep	letion. RM=	Reduced Matrix M	IS= Masked S	and Grains		2	ocation: PL=Pore Li	ning, M=Matrix	x
	il Indicators:		Todasod Manni, II					licators for Probler		
	Histosol (A1)		□ Pe	olyvalue Belov	v Surface (S8	3) (LRR R,		☐ 2 cm Muck (A1	0) (LRR K, L, I	MLRA 149B)
	Histic Epipedon (A2)		_	MLRA 149	,			Coast Prairie R		
	Black Histic (A3)			nin Dark Surfa			(149B)	5 cm Mucky Pe		
	Hydrogen Sulfide (A4) Stratified Layers (A5)			oamy Mucky Noamy Gleyed I		LRR K, L)		☐ Dark Surface (\$☐ Polyvalue Below		
	Depleted Below Dark	Surface (A1		epleted Matrix				☐ Thin Dark Surfa		
	Thick Dark Surface (A			edox Dark Su						2) (LRR K, L, R)
	Sandy Mucky Mineral			epleted Dark S				-		19) (MLRA 149B)
	Sandy Gleyed Matrix ((S4)	□ R	edox Depress	ions (F8)					44A, 145, 149B)
	Sandy Redox (S5)							Red Parent Ma		
	Stripped Matrix (S6) Dark Surface (S7) (LR	DD MIDA	140P\					☐ Very Shallow D☐ Other (Explain		F12)
	Dark Surface (S7) (EN	III IX, WILIXA	1430)					Other (Explain	ii iteiliaiks)	
³ Indicators	of Hydrophytic vegeta	tion and we	tland hydrology mu	ust be present	, unless distu	rbed or pro	oblematic			
Restrictive	Layer (if observed)	:								
	:						Ну	dric Soil Present?	Yes □	No 🛛
	h (inches):									
Remarks:	No hydric soil indica	tors observ	ved.							

WETLAND	DETERMIN	NATION DATA	FORM - Northc	entral and	l Northeast F	Region
Project/Site: <u>Hickory Hill Farms - Mitig</u> Applicant/Owner:			lage of Sussex/Wauke			Sampling Date: 5-28-2019 Sampling Point: 142
Investigator(s): Chris Jors, Jen Dietl, a	and Dan Carter: S	EWRPC Sec	ction, Township, Range			
Landform (hillslope, terrace, etc.): sligl	ht hillslope		cal relief (concave, con			Slope (%): <u>0-2%</u>
Subregion (LRR or MLRA): LRR K	N.)	Lat	: Long: _	D	atum:	e:fination, CO/FOV
Soil Map Unit Name: Pella silt loam (P Are climatic/hydrologic conditions on the		this time of year?	Yes⊠ No □	(If no, explain	in in Remarks)	sification: <u>S3/E2K</u>
Are Vegetation, Soil, or Hyd			Are "Normal Circu		·	No 🗌
Are Vegetation, Soil, or Hyd			(If, needed, explai	in any answers	in Remarks.)	
SUMMARY OF FINDINGS – A	ttach site ma	p showing sam	oling point locati	ons, transe	ects, importan	t features, etc.
	_					
Hydrophytic Vegetation Present? Hydric Soils Present?		⊠No ⊠No	Is the Sampled Are within a Wetland?	a	☐ Yes	⊠No
Wetland Hydrology Present?		⊠No			_	_
,		_	If yes, optional Wetla	and Site ID:		
Remarks: (Explain alternative proced	dures here or in a	separate report.) 90	-day antecedent pre	ecipitation is r	normal.	
HYDROLOGY						
Wetland Hydrology Indicators:				<u>.</u>	Secondary Indicate	ors (minimum of two required)
Primary Indicators (minimum of one is	s required; check	all that apply)			☐ Surface Soil (Cracks (B6)
☐ Surface Water (A1)		☐ Water-Staine	d Leaves (B9)		☐ Drainage Pat	terns (B10)
High Water Table (A2)		Aquatic Faun	a (B13)		Moss Trim Li	nes (B16)
Saturation (A3)		Marl Deposits	s (B15)		☐ Dry-Season \	Water Table (C2)
Water marks (B1)		Hydrogen Su	lfide Odor (C1)		Crayfish Burr	ows (C8)
Uster marks (B1) Sediment Deposits (B2) Drift Deposits (B3)		Oxidized Rhiz	zospheres on Living R	oots (C3)	Saturation Vi	sible on Aerial Imagery (C9)
Drift Deposits (B3)		Presence of I	Reduced Iron (C4)			ressed Plants (D1)
Algal Mat or Crust (B4)		Recent Iron F	Reduction in Tilled Soil	s (C6)	Geomorphic	Position (D2)
☐ Iron Deposits (B5)		☐ Thin Muck Su	urface (C7)		Shallow Aqui	tard (D3)
Inundation Visible on Aeria	al Imagery (B7)	Other (Explai	n in Remarks)		☐ Microtopogra	phic Relief (D4)
Sparsely Vegetated Conca	ave Surface (B8)				FAC-Neutral	Test (D5)
Field Observations:						
Surface Water Present? Yes ☐] No 🛛 De	epth (inches):				
Water Table Present? Yes ⊠	No De	epth (inches): 20				
Saturation Present? Yes ⊠	No De	epth (inches): 14		Wetland Hyd	drology Present?	Yes ☐ No ⊠
(includes capillary fringe)		all assistates and	developmentions) if a	ellable. Tena	Man (Fubibit 4) M	MAN Man (Fubilita) Caila Man
Describe Recorded Data (stream gau (Exhibit 3), Aerial Photos (Exhibit 4),			nous inspections), if a	valiable. Topo	iviap (Exhibit 1), v	vvvi iviap (Extilbit 2), 30115 iviap
()		3.5				
Remarks: No wetland hydrology in	ndicators obser	ved.				

Tree Ctratum (Diet size; 20' redive)	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30' radius)	% Cover	Species? ☐	<u>Status</u>	
1				Number of Dominant Species That are OBL, FACW, or FAC: <u>2</u> (A)
2				
3				Total Number of Dominant Species Across All Strata: 6 (B)
4				
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 33% (A/B)
6				
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cov	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)		_		OBL species x 1 =
1. <u>Lonicera x bella</u>	<u>10</u>	\boxtimes	<u>FACU</u>	FACW species x 2 =
2. <u>Ulmus americana</u>	<u>7</u>	\boxtimes	<u>FACW</u>	FAC species x 3 =
3. Rhamnus cathartica	<u>5</u>	\boxtimes	<u>FAC</u>	FACU species x 4 =
4. Rosa multiflora	<u>3</u>		<u>FACU</u>	UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators: ☐ Rapid Test for Hydrophytic Vegetation
	<u>25</u>	= Total Cov	er	Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)				☐ Prevalence Index is ≤3.0¹
1. <u>Bromus inermis</u>	<u>20</u>	\boxtimes	<u>UPL</u>	☐ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
2. Monarda fistulosa	<u>20</u>	\boxtimes	<u>FACU</u>	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3. Poa pratensis	<u>20</u>	\boxtimes	<u>FACU</u>	
4. Equisetum arvense	<u>12</u>		FAC	Indicators of hydric soil and wetland hydrology must Be present, unless disturbed or problematic.
5. Agrimonia gryposepala	<u>10</u>		<u>FACU</u>	
6. <u>Carex grisea</u>	<u>8</u>		FAC	Definitions of Vegetation Strata:
7. <u>Solidago altissima</u>	<u>8</u>		<u>FACU</u>	Tree – Woody plants 3in. (7.6 cm) or more in diameter
8. Parthenocissus inserta	<u>5</u>		<u>FACU</u>	at breast height (DBH), regardless of height
9. Taraxacum officinale	<u>5</u>		<u>FACU</u>	Sapling/shrub – Woody plants less than 3in. DBH
10. <u>Lycopus americanus</u>	<u>2</u>		<u>OBL</u>	and greater than 3.28 ft (1 m) tall.
11. <u>Ulmus americana</u>	<u>2</u>		FACW	
12		П		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
	<u>112</u>	= Total Cov	er	, and the same transfer of the
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in height
1. Vitis riparia	<u>3</u>	П	FACU	neignt
2				
3.				Hadasakada
4.				Hydrophytic Vegetation
	<u>3</u>	= Total Cov		Present? Yes □ No ☒
Remarks: (include photo number here or on a separate sheet		= 10tal C0V	CI .	
(.,			

Drofile Dec	arintian. (Deceribe t	- 4b dos	*h	ımant tha indi		firm the e	haanaa af indiaatara \	Sampling Foliti. 142
Profile Des		o tne dep	th needed to doct			ifirm the a	bsence of indicators.)	
Depth	Matrix			Redox Feat			_	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-7	10YR 3/2	100				-	Silty clay loam	
7-12	10YR 5/3	85	10YR 5/6	15	С	PL M	Silt loam	
12-24	10YR 4/3	50	7.5YR 4/4	50	C	PL M	Silty clay loam	
						-		
						•		
						-		
							-	
						-	·	
						•	·	
¹Type: C=0	Concentration, D=Depl	etion RM	=Reduced Matrix	MS= Masked S	Sand Grains		² Location: PL=Pore L	ining M=Matrix
	I Indicators:	Ction, rtiv		VIO- Maskea C	- Jana Oramo		Indicators for Proble	
-	Histosol (A1)		☐ F	Polyvalue Belov	w Surface (St	B) (LRR R,		10) (LRR K, L, MLRA 149B)
	Histic Epipedon (A2)			MLRA 149	,			Redox (A16) (LLR K, L, R)
	Black Histic (A3)			Thin Dark Surfa				eat or Peat (S3) (LLR K, L, R)
	Hydrogen Sulfide (A4) Stratified Layers (A5)			₋oamy Mucky N ₋oamy Gleyed I		LRR K, L)		(S7) (LRR K, L) ow Surface (S8) (LRR K, L)
	Depleted Below Dark S	Surface (A		Depleted Matrix				face (S9) (LRR K, L)
	Thick Dark Surface (A			Redox Dark Su				se Masses (F12) (LRR K, L, R)
	Sandy Mucky Mineral			Depleted Dark S				odplain Soils (F19) (MLRA 149B)
	Sandy Gleyed Matrix (S4)	☐ F	Redox Depress	ions (F8)			(TA6) (MLRA 144A, 145, 149B)
	Sandy Redox (S5)						Red Parent Ma	
	Stripped Matrix (S6) Dark Surface (S7) (LR	RR MIR	Δ 149R)				Other (Explain	Dark Surface (TF12)
	Dank Ganado (67) (Erk	it it, iii_i	A 1400)				_ Other (Explain	iii Remarko)
³ Indicators	of Hydrophytic vegetat	tion and w	etland hydrology m	nust be present	t, unless distu	urbed or pro	oblematic.	
Restrictive	Layer (if observed):	:						
	:						Hydric Soil Present?	Yes ☐ No ⊠
	n (inches):							
Remarks: N	No hydric soil indicat	ors obse	rved.					

WETLAND DETERMINATION DA	TA FORM – Northce	entral and Northeast Re	egion
Applicant/Owner:	y: Village of Sussex/Waukes	State: WI	campling Date: 5-28-2019 campling Point: 143
Investigator(s): Chris Jors, Jen Dietl, and Dan Carter: SEWRPC Landform (hillslope, terrace, etc.): depression Subregion (LRR or MLRA): LRR K Soil Map Unit Name: Pella silt loam (Ph)	Section, Township, Range Local relief (concave, conv Lat: Long:	Datum:	<u>:19E</u> :lope (%): <u>0-2%</u> :ication: <u>S3/E2K</u>
Are climatic/hydrologic conditions on the site typical for this time of year? Are Vegetation, Soil, or Hydrology significantly disturbed are Vegetation, Soil, or Hydrology naturally problemations are summary of FINDINGS – Attach site map showing significantly problemations.	ed? Are "Normal Circur ic? (If, needed, explain	(If no, explain in Remarks) nstances" present? Yes ⊠ any answers in Remarks.)	No □
Hydrophytic Vegetation Present?	Is the Sampled Area within a Wetland?	l ⊠ Yes	□No
Remarks: (Explain alternative procedures here or in a separate report.	If yes, optional Wetla		
HYDROLOGY Wetland Hydrology Indicators:		Secondary Indicator	s (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)			-
	(D0)	☐ Surface Soil Cı	,
_ 	tained Leaves (B9)	Drainage Patte	
	Fauna (B13)	Moss Trim Line ☐ Dry-Season W	, ,
✓ Saturation (A3) ☐ Marl Dep ✓ Water marks (B1) ☐ Hydroge	posits (B15)		
☐ Water marks (B1) ☐ Hydroge ☐ Sediment Deposits (B2) ☐ Oxidized	en Sulfide Odor (C1)		
□ Sediment Deposits (B2) □ Oxidized □ Drift Deposits (B3) □ Presence	d Rhizospheres on Living Ro e of Reduced Iron (C4)		ole on Aerial Imagery (C9) ssed Plants (D1)
	ron Reduction in Tilled Soils		, ,
	ck Surface (C7)	Shallow Aquita	` ,
	explain in Remarks)	Microtopograph	, ,
	.xpiaiii iii iteiriaiks)	FAC-Neutral T	, ,
Sparsely Vegetated Concave Surface (B8) Field Observations:		△ FAC-Neutral I	est (D3)
Surface Water Present? Yes ☐ No ☒ Depth (inches):			
Water Table Present? Yes ⊠ No ☐ Depth (inches): 8			
Saturation Present? Yes ⊠ No ☐ Depth (inches): 5		Wetland Hydrology Present?	Yes⊠ No □
(includes capillary fringe)			(= 1 1 2 2 1 1
Describe Recorded Data (stream gauge, monitoring well, aerial photos, (Exhibit 3), Aerial Photos (Exhibit 4), and NAIP/FSA Images.	, previous inspections), if ava	allable: Topo Map (Exhibit 1), WV	VI Map (Exhibit 2), Soils Map
Remarks: The sample site is in a depression, but geomorphic po	osition, indicator D2, is no	ot checked due to the presence	e of a drain tile system.

Troe Stratum (Plot aize: 20' radius)	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30' radius) 1	% Cover	Species? ☐	<u>Status</u>	Number of Dominant Species
2				That are OBL, FACW, or FAC: <u>5</u> (A)
3				Total Number of Dominant Species Across All Strata: <u>5</u> (B)
4				
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)
6				
7				Prevalence Index worksheet:
	<u>0</u>	= Total Cov	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)		_		OBL species x 1 =
1. Cornus alba	<u>3</u>	\boxtimes	<u>FACW</u>	FACW species x 2 =
2. Crataegus crus-galli	<u>3</u>	\boxtimes	<u>FAC</u>	FAC species x 3 =
3. <u>Ulmus americana</u>	<u>3</u>	\boxtimes	FACW	FACU species x 4 =
4. Cornus racemosa	<u>2</u>		<u>FAC</u>	UPL species x 5 =
5. Acer ginnala	<u>1</u>		NI (UPL)	Column Totals: (A) (B)
6. Frangula alnus	<u>1</u>		FAC	Prevalence Index = B/A =
7. Fraxinus pennsylvanica	<u>1</u>		<u>FACW</u>	Hydrophytic Vegetation Indicators:
	<u>14</u>	= Total Cov	er	☐ Rapid Test for Hydrophytic Vegetation ☐ Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)				☐ Prevalence Index is ≤3.0¹
1. <u>Carex grisea</u>	<u>40</u>	\boxtimes	FAC	☐ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
2. Agrostis gigantea	<u>20</u>	\boxtimes	FACW	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3. Equisetum arvense	<u>18</u>	П	FAC	
4. Symphyotrichum puniceum	<u>15</u>		<u>OBL</u>	Indicators of hydric soil and wetland hydrology must Be present, unless disturbed or problematic.
5. Poa pratensis	<u>12</u>	П	FACU	be present, unless disturbed of problematic.
	<u>.=</u> <u>5</u>		FACW	Definitions of Vegetation Strata:
6. Impatiens capensis	<u>3</u>		<u>FACU</u>	- W + 1 + 2 + 7 - 2 + 1 + 1
7. Achillea millefolium	<u>3</u>		<u>FACU</u>	Tree – Woody plants 3in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height
8. <u>Taraxacum officinale</u>	2		1700	at 3.000 no.g.t (22.7), 10ga. a.000 ti no.g.t
9			· 	Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11		<u> </u>		Herb - All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>116</u>	= Total Cov	er	Woody vines – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30' radius)				height
1				
2				
3				Hydrophytic
4				Vegetation
	<u>0</u>	= Total Cov		Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet.	.) Fresh (we	t) meadow wi	th scattered	lowland shrubs.

SOIL Sampling Point: <u>143</u>

Profile Des	scription: (Describe to	the dep	th needed to docu	ument the indi	cator or cor	firm the al	bsence of indicators.)	<u> </u>	
Depth	Matrix			Redox Feat	ures				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	- Texture	Re	emarks
0-7	10YR 3/1	100					Silty clay loam		
7-18	10YR 5/2	70	10YR 4/6	30		PL M	Silty clay loam		
18+	<u> </u>						- , ,	Too wet to pull	
	· · · · · · · · · · · · · · · · · · ·							· co wet to pan	
			-				-		
							-		
	·								
			-						
	·								
1Tunor C (Concentration D. Donle	stion DM	Doduced Metrix	MC Mooked C	and Crains		21 agotion, DI Doro	Lining M Matrix	,
	Concentration, D=Deple I Indicators:	euon, KM	=reduced Matrix, I	vio= iviasked S	and Grains		² Location: PL=Pore		
-	Histosol (A1)		Пг	Polyvalue Belov	v Surface (S	8) (LRR R .		10) (LRR K, L, I	
	Histic Epipedon (A2)			MLRA 149I		-, (,	•	Redox (A16) (LL	,
	Black Histic (A3)		_ T	Thin Dark Surfa	ce (S9) (LRI	R R, MLRA		Peat or Peat (S3)	·
	Hydrogen Sulfide (A4)			oamy Mucky M		LRR K, L)		(S7) (LRR K, L)	
	Stratified Layers (A5)			oamy Gleyed I				ow Surface (S8)	
	Depleted Below Dark			Depleted Matri				rface (S9) (LRR	
	Thick Dark Surface (A1 Sandy Mucky Mineral (Redox Dark Sur Depleted Dark S				ese Masses (F12	9) (MLRA 149B)
	Sandy Gleyed Matrix (S			Redox Depressi					44A, 145, 149B)
	Sandy Redox (S5)) T)		COOX Depiess	10113 (1 0)		Red Parent M		147, 143, 1430)
	Stripped Matrix (S6)							Dark Surface (T	F12)
	Dark Surface (S7) (LRF	R R, MLR	A 149B)				Other (Explain	n in Remarks)	
2									
	of Hydrophytic vegetati	on and w	etland hydrology m	nust be present	, unless distu	urbed or pro	oblematic.		
	Layer (if observed):						Undria Cail Brasanti	2 V 🖂	No 🗆
	n (inches):						Hydric Soil Present	? Yes ⊠	No 🗌
Remarks:	T (IIICIIC3)								
ixemarks.									

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: <u>5-28-2019</u> Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 144 Applicant/Owner: ___ State: WI Investigator(s): Chris Jors, Jen Dietl, and Dan Carter: SEWRPC Section, Township, Range: NW Quarter, Section 28, T8N-R19E Landform (hillslope, terrace, etc.): spring run Local relief (concave, convex, none): linear, concave Slope (%): 12-20% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Hochheim Ioam (HmD2) NWI classification: None Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No □ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? □No ⊠Yes □No within a Wetland? ✓ Yes □No Hydric Soils Present? ⊠Yes □No Wetland Hydrology Present? ⊠Yes If yes, optional Wetland Site ID: PCA 16 Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) ☐ Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Oxidized Rhizospheres on Living Roots (C3) Sediment Deposits (B2) Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) П Recent Iron Reduction in Tilled Soils (C6) Algal Mat or Crust (B4) \boxtimes Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Microtopographic Relief (D4) \Box Sparsely Vegetated Concave Surface (B8) **FAC-Neutral Test (D5) Field Observations:** Surface Water Present? Yes 🛚 No 🗌 Depth (inches): 1 Water Table Present? No 🗌 Yes Depth (inches): Saturation Present? Yes No \square Depth (inches): Wetland Hydrology Present? Yes 🖂 No \square (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4). Remarks: Source of surface water is a hillside spring.

VEGETATION – Use scientific names of plants. Sampling Point: 144 Absolute Dominant Indicator Tree Stratum (Plot size: 30' radius) **Dominance Test worksheet:** % Cover Species? <u>Status</u> 1. ____ Number of Dominant Species That are OBL, FACW, or FAC: <u>1</u> (A) 2. ____ 3. ____ Total Number of Dominant Species Across All Strata: <u>1</u> (B) 4. ____ Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B) 6. ____ Prevalence Index worksheet: 0 = Total Cover Total % Cover of: Multiply by: Sapling/Shrub Stratum (Plot size: 30' radius) **OBL** species x 1 = \Box FACW species 1. ____ x 2 = \Box 2. ____ FAC species x 3 = FACU species x 4 = LIPI species x 5 =

*·				01 L species X 0 =
5				Column Totals: (A) (B)
ô				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
	<u>0</u>	= Total Cover		Rapid Test for Hydrophytic Vegetation Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)				☐ Prevalence Index is ≤3.0¹
1. Impatiens capensis	<u>15</u>	\boxtimes	FACW	☐ Morphological Adaptations¹ (Provide supporting
	3	<u>-</u>	FAC	data in Remarks or on a separate sheet)
2. Ranunculus hispidus	<u> </u>	<u> </u>	<u>1 AO</u>	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3				¹ Indicators of hydric soil and wetland hydrology must
4				Be present, unless disturbed or problematic.
5				
ō				Definitions of Vegetation Strata:
7.				Tree – Woody plants 3in. (7.6 cm) or more in diameter
		П		at breast height (DBH), regardless of height
<u> </u>		$\overline{}$	<u> </u>	
10.		_		Sapling/shrub – Woody plants less than 3in. DBH and greater than 3.28 ft (1 m) tall.
10				and greater than 5.25 ft (1 m) tail.
···				Herb - All herbaceous (non-woody) plants, regardless
12		П		of size, and woody plants less than 3.28 ft tall.
	<u>18</u>	= Total Cover		Woody vines – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30' radius)				height
1				
2				
3				Hydrophytic
4.				Vegetation
	<u>0</u>	= Total Cover		Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet.)				1
	- 1 -			

Drefile De	scription: (Describe to	4ha dan4h u		mant tha ind		firm the el	haana	of indicators \	Sampling Fi	Jiiit. <u>144</u>
Profile De	scription: (Describe to	tne deptn n	eeded to doc			itirm the at	bsenc	e of indicators.)		
Depth	Matrix			Redox Fea	tures		_			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		Texture	Re	emarks
					·		·	·		
	·						·			
	- <u> </u>									
							. —			
							. —			
	<u></u> .									
							. ——			
	·				· ——					
¹ Type: C=	Concentration, D=Deple	tion, RM=Re	duced Matrix,	MS= Masked S	Sand Grains			² Location: PL=Pore L		
Hydric So	il Indicators:							Indicators for Probler	-	
	Histosol (A1)			Polyvalue Belo		B) (LRR R,		2 cm Muck (A1		
	Histic Epipedon (A2)			MLRA 149				☐ Coast Prairie R		
	Black Histic (A3)			Thin Dark Surf			(149B)			
	Hydrogen Sulfide (A4)			Loamy Mucky		LRR K, L)		Dark Surface (
	Stratified Layers (A5)			Loamy Gleyed				Polyvalue Belo	,	
	Depleted Below Dark St			Depleted Matri				☐ Thin Dark Surfa		
	Thick Dark Surface (A12			Redox Dark Su						2) (LRR K, L, R)
	Sandy Mucky Mineral (S			Depleted Dark						19) (MLRA 149B)
	Sandy Gleyed Matrix (S	(4)		Redox Depres	sions (F8)					44A, 145, 149B)
	Sandy Redox (S5)							Red Parent Ma		E10)
	Stripped Matrix (S6) Dark Surface (S7) (LRR	D MIDA 1	40B)					☐ Very Shallow D☑ Other (Explain		F12)
	Dark Surface (S7) (LIKI	IN, WILINA	430)					☑ Other (Explain	i ili Kelliai ks	
3Indicators	of Hydrophytic vegetation	on and wetla	nd hydrology r	nust be presen	ıt. unless distu	irbed or pro	oblema	tic.		
	e Layer (if observed):				,		1			
	o:							Hydric Soil Present?	Yes ⊠	No 🗆
	h (inches):							riyanc son r resent:	ies 🖂	140
	Soils inundated with 1	inch of flo	wing enring v	vater hydric h	ny definition	- Critoria 3	3			
Nemaiks.	Solis iliulidated with 1	IIICII OI IIO	wing spring v	vater, riyuric i	by definition	- Ciliena c	J.			

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: <u>5-28-2019</u> Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 145 Applicant/Owner: __ State: WI Investigator(s): Chris Jors, Jen Dietl, and Dan Carter: SEWRPC Section, Township, Range: NW Quarter, Section 28, T8N-R19E Landform (hillslope, terrace, etc.): hillslope Local relief (concave, convex, none): linear Slope (%): 0-3% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Lamartine silt loam (LmB) NWI classification: None Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? □No ⊠Yes within a Wetland? ☐ Yes ⊠No ⊠No Hydric Soils Present? □Yes ⊠No Wetland Hydrology Present? □Yes If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) П П ☐ Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) ☐ Presence of Reduced Iron (C4) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Algal Mat or Crust (B4) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) \Box FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No 🖂 Depth (inches): _ Water Table Present? Yes \boxtimes Depth (inches): _ No Saturation Present? Yes No 🖂 Depth (inches): __ Wetland Hydrology Present? Yes No 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4). Remarks: No wetland hydrology indicators observed.

T 0: (Pl. : : : : : : : : : : : : : : : : : : :	Absolute	Dominant	Indicator	Deminence Test weeksheets
Tree Stratum (Plot size: 30' radius)	% Cover	Species?	Status 54011	Dominance Test worksheet:
1. <u>Prunus serotina</u>	<u>60</u>		FACU	Number of Dominant Species That are OBL, FACW, or FAC: 6 (A)
2. Fraxinus pennsylvanica	<u>15</u>		<u>FACW</u>	That are ODE, I AOW, OF AO.
3				Total Number of Dominant
4				Species Across All Strata: <u>10</u> (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 60% (A/B)
7				Prevalence Index worksheet:
	<u>75</u>	= Total Cov	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1. Rhamnus cathartica	<u>45</u>	\boxtimes	FAC	FACW species x 2 =
2. Lonicera x bella	<u>25</u>	\boxtimes	<u>FACU</u>	FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
				Hydrophytic Vegetation Indicators:
7	70			☐ Rapid Test for Hydrophytic Vegetation
U 0 (D) (5 1)	<u>70</u>	= Total Cov	er	☐ Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)	45	∇	EAC)A/	☐ Prevalence Index is ≤3.0¹☐ Morphological Adaptations¹ (Provide supporting
1. <u>Impatiens capensis</u>	<u>15</u>		FACW	data in Remarks or on a separate sheet)
2. <u>Carex grisea</u>	<u>12</u>		FAC	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3. <u>Viola sororia</u>	<u>12</u>	\boxtimes	<u>FAC</u>	¹ Indicators of hydric soil and wetland hydrology must
4. Alliaria petiolata	<u>10</u>	\boxtimes	<u>FACU</u>	Be present, unless disturbed or problematic.
5. Osmorhiza longistylis	<u>10</u>	\boxtimes	FACU	
6. Rhamnus cathartica	<u>10</u>	\boxtimes	<u>FAC</u>	Definitions of Vegetation Strata:
7. <u>Geranium maculatum</u>	<u>8</u>		<u>FACU</u>	Tree – Woody plants 3in. (7.6 cm) or more in diameter
8. Ranunculus recurvatus	<u>8</u>		<u>FACW</u>	at breast height (DBH), regardless of height
9. Arisaema triphyllum	<u>7</u>		FAC	Sapling/shrub – Woody plants less than 3in. DBH
10. Carex rosea	<u>7</u>	П	FACU	and greater than 3.28 ft (1 m) tall.
11. <u>Circaea canadense</u>	<u>7</u>	$\overline{\Box}$	FACU	
12	_	_		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
12.	106	= Total Cov		of size, and woody plants less than 3.20 it tall.
Manda Vina Charture (Blat sine, 20) and inch	100	= Total Cov	CI	Woody vines – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30' radius)				height
1		Ц		
2		<u> </u>		
3		<u> </u>		Hydrophytic
4				Vegetation Present? Yes ⊠ No □
	<u>0</u>	= Total Cov	er	Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate shee	et.) Hardwood	ls.		
				ı

Sampling Point: 145

OIL									Sampling Po	DINT: <u>145</u>
Profile Des	scription: (Describe to	the depth	needed to docur	nent the indi	cator or con	firm the al	bsence	e of indicators.)		
Depth	Matrix			Redox Featu	ures					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	_	Texture	R	emarks
<u> </u>	· 		Color (moist)		Туре		0:14.14			FITIALING
0-15	10YR 3/1	100					Silt lo			
15-24	10YR 4/2	100					Silty	clay loam	with gravel	
									-	
	-									
								_		
									-	
	Concentration, D=Deple	etion, RM=F	Reduced Matrix, M	S= Masked S	Sand Grains			² Location: PL=Pore I		
-	I Indicators:		_		_			Indicators for Proble	•	
	Histosol (A1)		☐ Po	olyvalue Belov		B) (LRR R ,		,	10) (LRR K, L,	
	Histic Epipedon (A2)		_	MLRA 1491	,				Redox (A16) (L	
	Black Histic (A3)			nin Dark Surfa			149B)		eat or Peat (S3	
	Hydrogen Sulfide (A4)			amy Mucky M		LRR K, L)			(S7) (LRR K, L)	
	Stratified Layers (A5)			amy Gleyed I					ow Surface (S8)	
	Depleted Below Dark S			epleted Matrix					face (S9) (LRR	
	Thick Dark Surface (A1			edox Dark Sur						2) (LRR K, L, R)
	Sandy Mucky Mineral (epleted Dark S						19) (MLRA 149B)
	Sandy Gleyed Matrix (S Sandy Redox (S5)	54)	☐ Re	edox Depressi	ions (F8)			Red Parent M		44A, 145, 149B)
	Stripped Matrix (S6)								ateriai (F21) Dark Surface (T	·E12\
	Dark Surface (S7) (LRI	R MIRA	149R)					Other (Explain		F12)
	Dark Guriace (G7) (EIK	X IX, INILIXA	1430)					U Other (Explain	i iii Keinaika)	
³ Indicators	of Hydrophytic vegetati	ion and wetl	and hydrology mu	ist be present	. unless distu	irbed or pro	blema	tic.		
	Layer (if observed):		aayagy	0. 20 p. 000	.,	о р. с	1			
	:							Hydric Soil Present?	P Yes □	No ⊠
	h (inches):							riyane don'i resent:	103 🗆	NO 🖸
	No hydric soil indicate	ors observ	ed				ļ			
ixemaiks. i	vo riyane son maleat	013 003614	cu.							

WETLAND DETERMINATION DA	TA FORM - Northc	entral and Northeast	Region
Project/Site: <u>Hickory Hill Farms, Inc.</u> City/County Applicant/Owner:	y: Village of Sussex/Wauke	<u>sha County</u> State: <u>WI</u>	Sampling Date: <u>5-28-2019</u> Sampling Point: <u>146</u>
Investigator(s): <u>Chris Jors, Jen Dietl, and Dan Carter: SEWRPC</u> Landform (hillslope, terrace, etc.): <u>hillslope</u> Subregion (LRR or MLRA): <u>LRR K</u> Soil Map Unit Name: <u>Lamartine silt loam (LmB)</u>	Section, Township, Range Local relief (concave, con- Lat: Long: _	Datum:	N-R19E Slope (%): <u>0-3%</u> essification: <u>None</u>
Are climatic/hydrologic conditions on the site typical for this time of year' Are Vegetation, Soil, or Hydrology significantly disturb Are Vegetation, Soil, or Hydrology naturally problemate	ed? Are "Normal Circuicic? (If, needed, explain	(If no, explain in Remarks) mstances" present? Yes ⊠ n any answers in Remarks.)	No □
SUMMARY OF FINDINGS – Attach site map showing s	sampling point location	ons, transects, importa	int features, etc.
Hydrophytic Vegetation Present?	Is the Sampled Arewithin a Wetland?	a ⊠ Yes	□No
Remarks: (Explain alternative procedures here or in a separate report	If yes, optional Wetla	<u> </u>	
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary Indic	ators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)			il Cracks (B6)
<u> </u>	tained Leaves (B9)		atterns (B10)
	Fauna (B13)		Lines (B16)
Saturation (A3)	posits (B15)		n Water Table (C2)
Water marks (B1) Hydroge	en Sulfide Odor (C1)	Crayfish Bu	
Sediment Deposits (B2) Oxidized	d Rhizospheres on Living Ro		Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence	e of Reduced Iron (C4)		Stressed Plants (D1)
	Iron Reduction in Tilled Soils	· / <u>—</u> ·	c Position (D2)
☐ Iron Deposits (B5) ☐ Thin Mu	ck Surface (C7)	Shallow Aq	` ,
	Explain in Remarks)		raphic Relief (D4)
Sparsely Vegetated Concave Surface (B8) Field Observations:			al Test (D5)
Surface Water Present? Yes No Depth (inches): _			
Water Table Present? Yes ⊠ No ☐ Depth (inches): 3			
Saturation Present? Yes No Depth (inches): 0	(at surface)	Wetland Hydrology Present	t? Yes⊠ No □
(includes capillary fringe)	,,	Welland Hydrology Fresen	t: 163 🖾 110 🗀
Describe Recorded Data (stream gauge, monitoring well, aerial photos (Exhibit 3), and Aerial Photos (Exhibit 4).	, previous inspections), if av	ailable: Topo Map (Exhibit 1),	, WWI Map (Exhibit 2), Soils Map
Remarks: Sample site is on a hillside spring seep.			

T 0 (D) (1 (D) (1)	Absolute	Dominant	Indicator	Daminous a Tast wantabast
Tree Stratum (Plot size: 30' radius)	% Cover	Species?	Status 540000	Dominance Test worksheet:
1. Fraxinus pennsylvanica	<u>15</u>		FACW	Number of Dominant Species That are OBL, FACW, or FAC: 4 (A)
2. Prunus serotina	<u>15</u>		FACU	That are OBE, I AGW, OF I AG.
3. Acer negundo	<u>10</u>	$oxed{\boxtimes}$	<u>FAC</u>	Total Number of Dominant
4				Species Across All Strata: <u>6</u> (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 67% (A/B)
7				Prevalence Index worksheet:
	<u>40</u>	= Total Cov	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1. Lonicera x bella	<u>8</u>	\boxtimes	<u>FACU</u>	FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				' -
5				UPL species x 5 = (A) (B)
				` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` `
6				Prevalence Index = B/A = Hydrophytic Vegetation Indicators:
7				Rapid Test for Hydrophytic Vegetation
	<u>8</u>	= Total Cov	er	□ Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)		_		☐ Prevalence Index is ≤3.0¹☐ Morphological Adaptations¹ (Provide supporting
1. Impatiens capensis	<u>30</u>	\boxtimes	<u>FACW</u>	data in Remarks or on a separate sheet)
2. <u>Viola affinis</u>	<u>10</u>	\boxtimes	<u>FACW</u>	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3. Alliaria petiolata	<u>5</u>		<u>FACU</u>	
4. Geum canadense	<u>5</u>		<u>FAC</u>	Indicators of hydric soil and wetland hydrology must Be present, unless disturbed or problematic.
5. Symplocarpus foetidus	<u>5</u>		<u>OBL</u>	
6. <u>Arisaema triphyllum</u>	<u>3</u>		FAC	Definitions of Vegetation Strata:
7. Cryptotaenia canadensis	<u>3</u>		FAC	Tree – Woody plants 3in. (7.6 cm) or more in diameter
8	_			at breast height (DBH), regardless of height
9				
10				Sapling/shrub – Woody plants less than 3in. DBH and greater than 3.28 ft (1 m) tall.
				and greater than 3.20 ft (1 fil) tall.
11				Herb - All herbaceous (non-woody) plants, regardless
12		<u> </u>		of size, and woody plants less than 3.28 ft tall.
	<u>61</u>	= Total Cov	er	Woody vines – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30' radius)				height
1				
2				
3				Hydrophytic
4				Vegetation
	<u>0</u>	= Total Cov	er	Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet	.) Spring see			

D (II D		41 1								Sampling FC	ли. <u>140</u>
Profile Des	scription: (Describe to	the dep	th needed to d				firm the a	bsence	e of indicators.)		
Depth	Matrix				Redox Feat	ures		_			
(inches)	Color (moist)	%	Color (mois	st)	%	Type ¹	Loc ²		Texture	Re	emarks
0-12	10YR 2/1	100						Silt lo	oam		
12-18	10YR 4/2	70	10YR 4/6		30	С	PL M	Clay	loam		
18+										Too wet to pull	up.
								-			
			•					-			
			-								
			·					-		-	
1Type: C-(Concentration, D=Depl	etion PM	I-Peduced Mate	iv MS	– Mackad S	and Grains			² Location: PL=Pore I	Lining M-Matrix	v
	I Indicators:	ellon, Kiv	=Reduced Mati	ix, ivio	= iviaskeu s	and Grains			Indicators for Proble		
-	Histosol (A1)			Poly	value Belov	v Surface (S8) (LRR R,			10) (LRR K, L, I	
	Histic Epipedon (A2)				MLRA 149		, ,			Redox (A16) (LI	
	Black Histic (A3)					ce (S9) (LRR		149B)		eat or Peat (S3)	
	Hydrogen Sulfide (A4)					/lineral (F1) (I	RR K, L)			(S7) (LRR K, L)	
	Stratified Layers (A5) Depleted Below Dark	Surface	(A11)		my Gleyed I				•	ow Surface (S8)	
	Thick Dark Surface (A1		(A11)		leted Matrix lox Dark Su					face (S9) (LRR se Masses (F12	2) (LRR K, L, R)
	Sandy Mucky Mineral (Surface (F7)			-		19) (MLRA 149B)
	Sandy Gleyed Matrix (lox Depress				☐ Mesic Spodic	(TA6) (MLRA 1	44A, 145, 149B)
	Sandy Redox (S5)								Red Parent M		
	Stripped Matrix (S6)	D D MI F	A 440B)							Dark Surface (T	F12)
	Dark Surface (S7) (LR	K K, WILF	.A 149D)						Other (Explain	i in Remarks)	
³ Indicators	of Hydrophytic vegetat	ion and w	etland hydrolog	y mus	t be present	, unless distu	rbed or pro	oblema	atic.		
Restrictive	Layer (if observed):			-							
	:								Hydric Soil Present?	? Yes ⊠	No 🗆
	h (inches):										
Remarks:											

WETLAND DETERMINATION DA	ATA FORM – Northcen	tral and Northeast Region
	nty: Village of Sussex/Waukesha	<u> </u>
Investigator(s): Chris Jors, Jen Dietl, and Dan Carter: SEWRPC Landform (hillslope, terrace, etc.): hillslope Subregion (LRR or MLRA): LRR K Soil Map Unit Name: Lamartine silt loam (LmB)	Section, Township, Range: Note: Local relief (concave, convex Lat: Long:	· · · · · · · · · · · · · · · · · · ·
Are climatic/hydrologic conditions on the site typical for this time of year Are Vegetation, Soil, or Hydrology significantly disturted are Vegetation, Soil, or Hydrology naturally problem SUMMARY OF FINDINGS – Attach site map showing	bed? Are "Normal Circumst atic? (If, needed, explain ar	If no, explain in Remarks) sances" present? Yes ☑ No ☐ ny answers in Remarks.) s. transects, important features, etc.
Hydrophytic Vegetation Present? ☐Yes ☐No Hydric Soils Present? ☐Yes ☐No Wetland Hydrology Present? ☐Yes ☐No	Is the Sampled Area within a Wetland?	☐ Yes ⊠ No
Remarks: (Explain alternative procedures here or in a separate repo	If yes, optional Wetland	
HYDROLOGY Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)		<u> </u>
	0	Surface Soil Cracks (B6)
	Stained Leaves (B9)	Drainage Patterns (B10)
	c Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3)	eposits (B15)	Dry-Season Water Table (C2)
U Water marks (B1) U Hydrog Sediment Deposits (B2)	gen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidiz	ed Rhizospheres on Living Roots	
	nce of Reduced Iron (C4)	Stunted or Stressed Plants (D1) Geomorphic Position (D2)
☐ Algal Mat or Crust (B4) ☐ Recen ☐ Iron Deposits (B5) ☐ Thin M	t Iron Reduction in Tilled Soils (C	
	luck Surface (C7)	
	(Explain in Remarks)	
Sparsely Vegetated Concave Surface (B8) Field Observations:		FAC-Neutral Test (D5)
Surface Water Present? Yes ☐ No ☒ Depth (inches):		
Water Table Present? Yes ☐ No ☒ Depth (inches):		
Saturation Present? Yes No Depth (inches):		etland Hydrology Present? Yes 🗌 No 🛚
(includes capillary fringe)		chand Trydrology Freschi: 165 No
Describe Recorded Data (stream gauge, monitoring well, aerial photo (Exhibit 3), and Aerial Photos (Exhibit 4).	s, previous inspections), if availa	able: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map
Remarks: No wetland hydrology indicators observed.		

T 0: (PL: 1: 00) 1:)	Absolute	Dominant	Indicator	Daminanas Tast waylishast
Tree Stratum (Plot size: 30' radius)	% Cover	Species?	Status 54011	Dominance Test worksheet:
1. Prunus serotina	<u>30</u>		FACU	Number of Dominant Species That are OBL, FACW, or FAC: 3 (A)
2. Quercus alba	<u>25</u>		FACU	That are ODE, I AOW, OF AO. 3 (A)
3. Fraxinus pennsylvanica	<u>15</u>		<u>FACW</u>	Total Number of Dominant
4. Ostrya virginiana	<u>10</u>		<u>FACU</u>	Species Across All Strata: <u>6</u> (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 50% (A/B)
7				Prevalence Index worksheet:
	<u>80</u>	= Total Cov	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1. Lonicera x bella	<u>30</u>	\boxtimes	<u>FACU</u>	FACW species x 2 =
2. Rhamnus cathartica	<u>10</u>	\boxtimes	FAC	FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
r	40			☐ Rapid Test for Hydrophytic Vegetation
Hault Charles (District Electrics)	40	= Total Cov	ei	Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)	22	\bowtie	EACW	☐ Prevalence Index is ≤3.0¹☐ Morphological Adaptations¹ (Provide supporting
1. Impatiens capensis	<u>22</u>		FACW	data in Remarks or on a separate sheet)
2. Arisaema triphyllum	<u>10</u>		<u>FAC</u>	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3. Alliaria petiolata	<u>8</u>		<u>FACU</u>	¹ Indicators of hydric soil and wetland hydrology must
4. Geranium maculatum	<u>8</u>		<u>FACU</u>	Be present, unless disturbed or problematic.
5. <u>Circaea canadense</u>	<u>5</u>		<u>FACU</u>	
6. Prunus serotina	<u>5</u>		<u>FACU</u>	Definitions of Vegetation Strata:
7. <u>Cryptotaenia canadensis</u>	<u>3</u>		FAC	Tree – Woody plants 3in. (7.6 cm) or more in diameter
8. <u>Osmundastrum cinnamomeum</u>	<u>2</u>		FACW	at breast height (DBH), regardless of height
9. Osmorhiza longistylis	<u>1</u>		<u>FACU</u>	Sapling/shrub – Woody plants less than 3in. DBH
10		П		and greater than 3.28 ft (1 m) tall.
11				
12				Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
·:	64	= Total Cov	er	or size, and woody plante loss than 6.20 it tail.
Woody Vine Stratum (Plot size: 30' radius)		- 10tai 00V	O1	Woody vines – All woody vines greater than 3.28 ft in
		П		height
1				
Z		<u> </u>		
3		Ц		Hydrophytic
4		Ш	-	Vegetation Present? Yes □ No ☒
	0	= Total Cov	er	100 L 100 L
Remarks: (include photo number here or on a separate sheet) Hardwood	lS.		

									Sampling FC	ли. <u>147</u>
Profile Des	scription: (Describe t	o the depth	needed to docu			firm the a	bsence o	of indicators.)		
Depth	Matrix			Redox Feat			_			
(inches)	Color (moist)		Color (moist)	%	Type ¹	Loc ²		Texture	Re	emarks
0-6	10YR 3/1	100					Silt loa	m		
6-13	10YR 4/3	100					Silt loa	<u>m</u>		
13-24	10YR 4/4	100					Silty cla	ay loam		
										ļ
	-									
¹ Type: C=0	Concentration, D=Dep	letion, RM=R	educed Matrix, N	/IS= Masked S	Sand Grains			ocation: PL=Pore Lini		
-	I Indicators:							dicators for Problema	•	
	Histosol (A1)		☐ F	olyvalue Belov		3) (LRR R,		2 cm Muck (A10)		
	Histic Epipedon (A2)			MLRA 149	,		4.400)	Coast Prairie Rec		
	Black Histic (A3)			hin Dark Surfa			(149B)	5 cm Mucky Peat		
	Hydrogen Sulfide (A4)			oamy Mucky Noamy Gleyed		LRK N, L)		□ Dark Surface (S7□ Polyvalue Below		
	Stratified Layers (A5) Depleted Below Dark	Curfoss (A11			, ,			•	, ,	
	Thick Dark Surface (A			epleted Matrix Redox Dark Su				☐ Thin Dark Surfac		·
	Sandy Mucky Mineral			epleted Dark				☐ Iron-Manganese		19) (MLRA 149B)
	Sandy Gleyed Matrix (Redox Depress				☐ Mesic Spodic (TA		
	Sandy Redox (S5)	(34)	·	redux Depress	sions (1 o)			Red Parent Mate		++A, 1+3, 1+3D)
	Stripped Matrix (S6)							☐ Very Shallow Dai		F12)
	Dark Surface (S7) (LR	RR, MLRA	49B)					Other (Explain in		1 12)
	· / ·	,	,					_	,	
	of Hydrophytic vegeta		and hydrology m	ust be present	t, unless distu	irbed or pro	oblematio).		
	Layer (if observed)	:								
	:						H	ydric Soil Present?	Yes 🗌	No 🛚
	h (inches):		-1							
Remarks: I	No hydric soil indica	tors observe	ed.							

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: <u>5-28-2019</u> Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 148 Applicant/Owner: __ State: WI Investigator(s): Chris Jors, Jen Dietl, and Dan Carter: SEWRPC Section, Township, Range: NW Quarter, Section 28, T8N-R19E Landform (hillslope, terrace, etc.): hillslope Local relief (concave, convex, none): linear Slope (%): 12-20% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Hochheim Ioam (HmD2) NWI classification: None Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area ⊠Yes Hydrophytic Vegetation Present? ПNо within a Wetland? ☐ Yes ⊠No ⊠No Hydric Soils Present? □Yes ⊠No Wetland Hydrology Present? □Yes If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) Water marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) П П ☐ Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) ☐ Presence of Reduced Iron (C4) Drift Deposits (B3) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) \Box FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No 🖂 Depth (inches): __ Water Table Present? Yes \boxtimes Depth (inches): _ No Saturation Present? Yes 🛛 No 🗌 Depth (inches): 17 Wetland Hydrology Present? Yes No 🖂 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4). Remarks: No wetland hydrology indicators observed.

T 0: (D) (O) (D)	Absolute	Dominant	Indicator	Daminanas Tast waylishast
Tree Stratum (Plot size: 30' radius)	% Cover	Species?	Status 54011	Dominance Test worksheet:
1. <u>Prunus serotina</u>	<u>30</u>		FACU	Number of Dominant Species That are OBL, FACW, or FAC: <u>5</u> (A)
2. <u>Fraxinus pennsylvanica</u>	<u>15</u>		<u>FACW</u>	That are ODE, I AOW, OF AO. <u>5</u> (A)
3				Total Number of Dominant
4				Species Across All Strata: 7 (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 71% (A/B)
7				Prevalence Index worksheet:
	<u>45</u>	= Total Cov	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1. Rhamnus cathartica	<u>65</u>	\boxtimes	FAC	FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				<u> </u>
5				· —
6				Prevalence Index = B/A = Hydrophytic Vegetation Indicators:
7				Rapid Test for Hydrophytic Vegetation
	<u>65</u>	= Total Cov	er	□ Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)		-		☐ Prevalence Index is ≤3.0¹☐ Morphological Adaptations¹ (Provide supporting
1. <u>Impatiens capensis</u>	<u>25</u>	\boxtimes	<u>FACW</u>	data in Remarks or on a separate sheet)
2. <u>Viola sororia</u>	<u>20</u>	\boxtimes	<u>FAC</u>	☐ Problematic Hydrophytic Vegetation¹ (Explain)
3. Alliaria petiolata	<u>12</u>	\boxtimes	<u>FACU</u>	
4. Arisaema triphyllum	<u>12</u>	\boxtimes	<u>FAC</u>	Indicators of hydric soil and wetland hydrology must Be present, unless disturbed or problematic.
5. <u>Circaea canadense</u>	<u>10</u>		<u>FACU</u>	
6. Rhamnus cathartica	<u>10</u>		FAC	Definitions of Vegetation Strata:
7. Cryptotaenia canadensis	<u>8</u>		FAC	Tree – Woody plants 3in. (7.6 cm) or more in diameter
8. <u>Osmorhiza longistylis</u>	<u>5</u>		<u>FACU</u>	at breast height (DBH), regardless of height
9. Symplocarpus foetidus	<u>5</u>		<u>OBL</u>	Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				, ,
12		_		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
12	107	= Total Cov		of size, and woody plants less than 3.20 it tall.
Wash, Vine Chartery (Plat sine, 20) and the	101	= 10(a) 000	CI	Woody vines – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30' radius)				height
1		Ш		
2		<u> </u>		
3		Ш		Hydrophytic
4				Vegetation
	<u>0</u>	= Total Cov		Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet	.) Hardwood	ds with small	opening in th	ne canopy due to adjacent spring seep/run.
				I

OIL										Sampling Po	oint: <u>148</u>	<u> </u>
Profile Des	scription: (Describe to	o the dep	th needed to d	ocum	ent the indi	icator or cor	firm the al	bsence o	of indicators.)			
Depth	Matrix				Redox Feat	ures						
(inches)	Color (moist)	%	Color (moi	st)	%	Type ¹	Loc ²	_	Texture	Re	emarks	
0-6	10YR 3/1	100						Silt loai	m			
6-10	10YR 4/2	100						Silt loai				
10-24	10YR 4/3	90	10YR 3/4		10		PL M	Silty cla				
10-24	1011/4/3	90	1011 3/4				FL IVI	Silty Cia	ay ioaiii			
	·							-				
			_						-			
¹Type: C=0	Concentration, D=Depl	etion, RN	=Reduced Matr	ix, MS	= Masked S	Sand Grains		² L	ocation: PL=Pore Li	ning, M=Matri	K	
Hydric Soi	I Indicators:							In	dicators for Problen	natic Hydric S	oils³:	
_	Histosol (A1)			Pol	•	w Surface (S	8) (LRR R,		2 cm Muck (A1	, .		,
	Histic Epipedon (A2)		_		MLRA 149	,			Coast Prairie R			
	Black Histic (A3)					ace (S9) (LRI		149B)	5 cm Mucky Pe			K, L, R)
	Hydrogen Sulfide (A4) Stratified Layers (A5)				imy Mucky i my Gleyed	Mineral (F1) (Matrix (F2)	LKK K, L)		☐ Dark Surface (S☐ Polyvalue Below			K I)
	Depleted Below Dark S	Surface (A			oleted Matrix				☐ Thin Dark Surfa			I(, ∟)
	Thick Dark Surface (A				dox Dark Su				☐ Iron-Manganes			K, L, R)
	Sandy Mucky Mineral					Surface (F7)			☐ Piedmont Flood			
	Sandy Gleyed Matrix (S4)		Red	dox Depress	sions (F8)			☐ Mesic Spodic (44A, 14	15, 149B)
	Sandy Redox (S5)								Red Parent Ma			
	Stripped Matrix (S6)	D D MI F	A 440D)						☐ Very Shallow D		F12)	
	Dark Surface (S7) (LR	K K, WILF	(A 149B)						Other (Explain	in Remarks)		
3Indicators	of Hydrophytic vegetat	tion and w	etland hydrolog	v mus	t be present	t. unless distu	urbed or pro	oblematio	<u>;</u>			
	Layer (if observed):			,		,						
	:							н	dric Soil Present?	Yes 🗌	No	\boxtimes
Depth	h (inches):								,	_		_
Remarks: N	No hydric soil indicat	ors obse	erved.									

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Sampling Date: <u>5-28-2019</u> Project/Site: Hickory Hill Farms, Inc. City/County: Village of Sussex/Waukesha County Sampling Point: 149 Applicant/Owner: ___ State: WI Investigator(s): Chris Jors, Jen Dietl, and Dan Carter: SEWRPC Section, Township, Range: NW Quarter, Section 28, T8N-R19E Landform (hillslope, terrace, etc.): depression Local relief (concave, convex, none): concave Slope (%): 12-20% Subregion (LRR or MLRA): LRR K Long: _____ Soil Map Unit Name: Hochheim Ioam (HmD2) NWI classification: T3K Are climatic/hydrologic conditions on the site typical for this time of year? Yes ⊠ No ☐ (If no, explain in Remarks) Are Vegetation_____, Soil_____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ⊠ No 🗌 Are Vegetation_____, Soil_____, or Hydrology _____ naturally problematic? (If, needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? □No ⊠Yes within a Wetland? ✓ Yes □No □No Hydric Soils Present? ⊠Yes □No Wetland Hydrology Present? ⊠Yes If yes, optional Wetland Site ID: PCA 16 Remarks: (Explain alternative procedures here or in a separate report.) 90-day antecedent precipitation is normal. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) ☐ Surface Water (A1) ☐ Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) ☐ Marl Deposits (B15) Dry-Season Water Table (C2) \boxtimes Water marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Oxidized Rhizospheres on Living Roots (C3) Sediment Deposits (B2) Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) П Recent Iron Reduction in Tilled Soils (C6) Algal Mat or Crust (B4) \boxtimes Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Microtopographic Relief (D4) \Box Sparsely Vegetated Concave Surface (B8) **FAC-Neutral Test (D5) Field Observations:** Depth (inches): Surface Water Present? Yes No 🛛 Water Table Present? No 🗌 Yes 🛚 Depth (inches): 23 Saturation Present? Yes 🖂 No \square Depth (inches): 10 Wetland Hydrology Present? Yes 🛛 No \square (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Topo Map (Exhibit 1), WWI Map (Exhibit 2), Soils Map (Exhibit 3), and Aerial Photos (Exhibit 4). Remarks: Sample site is in a ground water seepage/spring area.

Trace Obstant (Plateine Obligation)	Absolute	Dominant	Indicator	Deminence Test werkeheet
Tree Stratum (Plot size: 30' radius)	% Cover 30	Species? ⊠	Status FACW	Dominance Test worksheet:
1. Fraxinus pennsylvanica				Number of Dominant Species That are OBL, FACW, or FAC: <u>5</u> (A)
2. Carya cordiformis	<u>25</u>		FAC	
3. <u>Ulmus americana</u>	<u>15</u>		FACW	Total Number of Dominant Species Across All Strata: <u>5</u> (B)
4. Acer negundo	<u>5</u>		<u>FAC</u>	
5. Prunus serotina	<u>5</u>		<u>FACU</u>	Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)
6				
7				Prevalence Index worksheet:
	<u>80</u>	= Total Cov	er	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30' radius)				OBL species x 1 =
1. Rhamnus cathartica	<u>60</u>	\boxtimes	FAC	FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6	-			Prevalence Index = B/A =
7		П		Hydrophytic Vegetation Indicators:
	<u>60</u>	= Total Cov	er	☐ Rapid Test for Hydrophytic Vegetation ☐ Dominance Test is >50%
Herb Stratum (Plot size: 5' radius)	_			☐ Prevalence Index is ≤3.0¹
1. Impatiens capensis	<u>35</u>		FACW	☐ Morphological Adaptations¹ (Provide supporting
2. Arisaema triphyllum	<u>15</u>	\boxtimes	FAC	data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain)
3. Alliaria petiolata	<u>10</u>		FACU	Problematic hydrophytic vegetation (Explain)
	<u>10</u>		FAC	¹ Indicators of hydric soil and wetland hydrology must
4. <u>Viola sororia</u>				Be present, unless disturbed or problematic.
5. <u>Circaea canadense</u>	<u>8</u>		FACU	Definitions of Vegetation Strata:
6. Rhamnus cathartica	<u>5</u>		FAC	Definitions of Vegetation Strata.
7. Maianthemum stellatum	<u>3</u>		<u>FAC</u>	Tree – Woody plants 3in. (7.6 cm) or more in diameter
8				at breast height (DBH), regardless of height
9				Sapling/shrub – Woody plants less than 3in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
12				of size, and woody plants less than 3.28 ft tall.
	<u>86</u> = Total Cover		er	Weeds vines. All weeds vines greater than 2.29 ft is
Woody Vine Stratum (Plot size: 30' radius)				Woody vines – All woody vines greater than 3.28 ft in height
1				
2				
3				Hydrophytic
4.		П		Vegetation
	<u>0</u>	= Total Cov	er	Present? Yes ⊠ No □
Remarks: (include photo number here or on a separate sheet			-	

Depth (inches) 0-7 7-17	Matrix		, , , , , , , , , , , , , , , , , , ,				firm the a	bsence	of indicators.)			
)-7 7-17 17-22	IVIALITA			I	Redox Feat	ures		_				
7-17	Color (moist)	%	Color (mo	oist)	%	Type ¹	Loc ²		Texture	Remarks		
17-22	10YR 3/1	100						Silt loa				
	10YR 4/2	97	10YR 3/6		3	C	PL M	Silt loa	am			
	2.5Y 5/3	95	2.5Y 5/4		5	С	PL M	Silt loa	am	with gravel		
22-25	10YR 4/4	100						Silty c	lay loam	with gravel		
			·									
										-		
										-		
										-		
			-									
										-		
Type: C-C	Concentration, D=Depl	etion PM	1-Reduced Ma	atriv MS	- Macked S	Sand Grains		- 2	² Location: PL=Pore I	Lining M-Matri	·	
	Indicators:	Ction, reiv	I-INCOUCCU IVIC	attix, ivio	- Maskea C	and Orams			ndicators for Proble			
_ H	Histosol (A1)		[Poly	value Belov	w Surface (S	B) (LRR R,		2 cm Muck (A	10) (LRR K, L,	MLRA	
	Histic Epipedon (A2)				MLRA 149	,				Redox (A16) (L		
	Black Histic (A3) Hydrogen Sulfide (A4)		l r			ace (S9) (LRF Mineral (F1) (149B)		eat or Peat (S3 (S7) (LRR K, L)		K, L, R)
	Stratified Layers (A5)				my Gleyed I		LKK K, L)			ow Surface (S8		K. L)
	Depleted Below Dark	Surface	_		leted Matri					face (S9) (LRR		, -/
	Thick Dark Surface (A				ox Dark Su					se Masses (F12		
	Sandy Mucky Mineral (Surface (F7)				odplain Soils (F		
	Sandy Gleyed Matrix (Sandy Redox (S5)	54)	L	Red	ox Depress	ions (F8)			Red Parent M	(TA6) (MLRA 1 aterial (F21)	44A, 14	15, 1496)
	Stripped Matrix (S6)									Dark Surface (T	F12)	
	Dark Surface (S7) (LR	R R, MLF	RA 149B)						Other (Explain	n in Remarks)		
Indicators c	of Hydrophytic vegetat	ion and v	votland bydrole	av muci	ho procent	unloce diet	irhad ar ar	hlomat	io			
	Layer (if observed):		velianu nyuroic	Jgy IIIusi	be present	., uriiess dist	inbed of pit	Diemai	ic.			
Type:								F	lydric Soil Present?	Yes ⊠	No	
Depth	(inches):									_		
Remarks:												

Exhibit 9. Site Photos

Hickory Hills Farm, Inc. N67 W25913 Silver Spring Drive SW and SE Quarters, Section 21 and NW Quarter, Section 28, T8N-R19E Village of Sussex, Waukesha County

Photo 1. South view, wetland sample site 6, PCA 1. Atypical (mowed) wetland within a grassed swale drainageway. Sample sites 8 and 11, located south of the pictured culvert, are similar.



Photo 2. North view, upland sample site 5. Mowed lawn adjacent to a grassed swale drainageway. Sample sites 7, 9, and 10 are similar.



Photo 3. West view, wetland sample site 60, PCA 2. Open water in a straightened tributary to Spring Creek. Sample sites 2, 61, 67, 94, and 105 are similar. Sample site 96 is fresh (wet) meadow along the edge of this waterway.



Photo 4. ESE view, upland sample site 1. Agricultural field adjacent to a tributary to Spring Creek. Sample site 66 is similar.



Photo 5. SW view, upland sample site 62. Agricultural field on a narrow berm along the tributary to Spring Creek. Sample sites 58, 93, and 97 are similar.



Photo 6. Upland sample site 106. Old field adjacent to the tributary to Spring Creek.



Photo 7. Upland sample site 125. Old field. This site is on a modified, steep bank of the tributary to Spring Creek associated with an access driveway off of Mary Hill Road.



Photo 8. North view, upland sample site 3. Mowed lawn/old field adjacent to a tributary drainageway. This drainageway is impacted by barnyard runoff. Sample site 12 is similar.



Photo 9. SW view, upland sample site 15. Old field with dominant reed canary grass (*Phalaris arundinacea*) along a tributary drainageway. Sample sites 14 and 17 are similar.



Photo 10. Wetland sample site 4, PCA 2. Fresh (wet) meadow within a tributary drainageway. Sample sites 13 and 16 are similar.



Photo 11. West view, wetland sample site 22, PCA 3. Fresh (wet) meadow with adjacent excavated pond in the background.



Photo 12. South view, upland sample site 23. Old field on a berm/dredge spoils in between wetland PCA numbers 3 and 4.



Photo 13. NW view, upland sample site 24. Agricultural field impacted by manure spreading and/or slurry discharge. While wetland hydrology was present, soils were not hydric.



Photo 14. NE view, wetland sample site 31, PCA 4. Atypical (farmed) wetland with groundwater (hillside) seepage hydrology. Sample sites 20, 21, 25, 26, 28, 33, 35, and 38 are similar.



Photo 15. Wetland hydrology indicator B2, algal crust, near sample site 35 (PCA 4).



Photo 16. Wetland hydrology indicator B5, iron deposits, on the soil surface at sample site 38, PCA 4 (see center of photo). Also, cursed buttercup (*Ranunculus sceleratus*), an obligate wetland species, is the only plant present.



Photo 17. NE view, upland sample site 36. Agricultural field just outside the wetland PCA 4. Samples sites 19, 27, 29, 30, 32, and 37 are similar.



Photo 18. SE view, wetland sample site 50, PCA 5. Atypical (farmed) wetland. Sample sites 34, 39, 44, 46, 49, 57, 59, 63, and 64 are similar.



Photo 19. South view, upland sample site 48. Agricultural field. Sample sites 40, 41, 42, 43, 45, 47, 51, 53, 56, and 65 are similar.



Photo 20. South view, drain tile blowout near sample site 47.



Photo 21. SW view, wetland sample site 52, PCA 5. Atypical (farmed) wetland - drainageway. Wetland hydrology indicator B3, drift deposits, are present.



Photo 22. East view toward upland portion of drainageway from wetland PCA 5 boundary, near sample site 52.



Photo 23. South view, wetland sample site 80, PCA 6. Atypical (farmed) wetland.



Photo 24. South view, upland sample site 81. Agricultural field (on the north side of wetland PCA 6).



Photo 25. NE view, wetland sample site 79, PCA 7. Atypical (farmed) wetland.



Photo 26. NE view, upland sample site 78. Agricultural field within a broad swale just outside wetland PCA 7. Sample site 77 is similar.



Photo 27. South view, upland sample site 68. Agricultural field. Sample site 69 is similarly in the pictured upland broad swale, but closer to the delineated wetland boundary of PCA 8.



Photo 28. SE view, wetland sample site 70, PCA 8. Atypical (farmed) wetland.



Photo 29. Wetland hydrology indicator B3, drift deposits, at sample site 70, PCA 8.



Photo 30. Wetland hydrology indicator B2, sediment deposits, at sample site 70, PCA 8.



Photo 31. South view, wetland sample site 71, PCA 9. Atypical (farmed) wetland.



Photo 32. Wetland hydrology indicator B9, water-stained leaves, at sample site 71.



Photo 33. South view, upland sample site 72. Edge of agricultural field.



Photo 34. South view, wetland sample site 76, PCA 9. Atypical (farmed) wetland.



Photo 35. Wetland hydrology indicator C8, crayfish burrow, at sample site 76, PCA 9.



Photo 36. NW view, upland sample site 75. Agricultural field just outside PCA 9.



Photo 37. WSW view, wetland sample site 87, PCA 10. Atypical (farmed) wetland – corn previous year. Sample sites 84, 117, 119, 120, 122, and 124 are similar.



Photo 38. North view, drainageway within PCA 10 exposing large cobbles and rocks near sample site 87.



Photo 39. WSW view, upland sample site 88. Agricultural field (corn) around portions of PCA 10. Sample sites 116 is similar.



Photo 40. West view, upland sample site 121. Old field with gravel/road bed fill along the west edge of PCA 10. Sample site 123 is similar.



Photo 41. South view, wetland sample site 91, southeastern portion of PCA 10. Atypical (farmed) wetland. Sample sites 90 and 115 are similar.



Photo 42. South view, upland sample site 89. Agricultural field, near the southeastern boundary of PCA 10. Sample sites 92, and 114 are similar.



Photo 43. West view, wetland sample site 126, PCA 10. Atypical (mowed) wetland. This wetland site is hydrologically connected to the inundated portion of the cropped field (see background).



Photo 44. East view, wetland sample site 82, PCA 11. Unvegetated open water and banks of a constructed pond. Sample site 128 is similar, but with a sand beach/bottom.



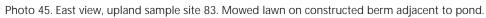




Photo 46. SW view, wetland sample site 133, PCA 12. Degraded sedge meadow. Sample site 85 is similar.



Photo 47. North view, wetland sample site 135, PCA 12. Fresh (wet) meadow. Sample site 138 is similar.



Photo 48. South view, wetland sample site 130, PCA 12. Fresh (wet) meadow with reed canary grass (*Phalaris arundinacea*) present. Sample site 129 is similar.



Photo 49. Wetland sample site 139, PCA 12. Fresh (wet) meadow degraded by dominant reed canary grass (*Phalaris arundinacea*). Small isolated wetland at the southeast end of this PCA.



Photo 50. NE view, upland sample site 132. Old field adjacent to PCA 12. Sample sites 86, 131, 134, and 137 are similar.



Photo 51. NW view, wetland sample site 98, PCA 13. Atypical (farmed) wetland, adjacent to a tributary to Spring Creek. Sample sites 95, 99, and 104 are similar.



Photo 52. SW view, upland sample site 100. Agricultural field just outside PCA 13. Sample site 103 is similar.



Photo 53. SE view, wetland sample site 101, PCA 14. Atypical (farmed) wetland.



Photo 54. SE view, upland sample site 102. Agricultural field adjacent to PCA 14.



Photo 55. Wetland sample site 73, PCA 15. Hardwood swamp on a low terrace along a tributary to Spring Creek



Photo 56. Wetland sample site 140, PCA 15. Hardwood swamp.



Photo 57. Wetland sample site 107, PCA 15. Fresh (wet) meadow with scattered lowland shrubs. Sample site 143 is similar.



Photo 58. East view wetland sample site 110, PCA 15. Atypical (farmed) wetland. Sample sites 108 and 112 are similar.



Photo 59. Upland sample site 74. Hardwoods on a dredge spoil pile near the tributary to Spring Creek. This site is on an upland "island" within wetland PCA 15.



Photo 60. Upland sample site 142. Old field within PCA 15. Upland sample site 141, near the southern end of PCA 15, is an undifferentiated thicket, similar to the background in this photo.



Photo 61. East view upland sample site 111. Agricultural field adjacent to PCA 15. Sample sites 109 and 113 are similar.



Photo 62. Wetland sample site 144, PCA 16. Spring run.



Photo 63. Wetland sample site 146, PCA 16. Spring hillside seep.



Photo 64. Spring head near sample site 146.



Photo 65. Wetland sample site 149, PCA 16. Hardwood swamp associated with nearby spring seeps.



Photo 66. Upland sample site 145. Hardwoods adjacent to the spring seeps/runs of PCA 16. Sample sites 147 and 148 are similar.



Photo 67. North view, middle section of wetland PCA 1. Includes sample sites 8 and 11.



Photo 68. South view, southern end of drainageway, wetland PCA 1.



Photo 69. SE/downstream view, unnamed tributary to Spring Creek, PCA 2. Taken from driveway crossing east of sample site 2. Smaller drainageway joins from the north/left.



Photo 70. West view, small drainageway, PCA 2, including sample site 13.



Photo 71. West view, inundated area, north end of wetland PCA 10.



Photo 72. SE view, southeastern end of wetland, PCA 10.



Photo 73. West view, constructed pond and overflow area, PCA 11.

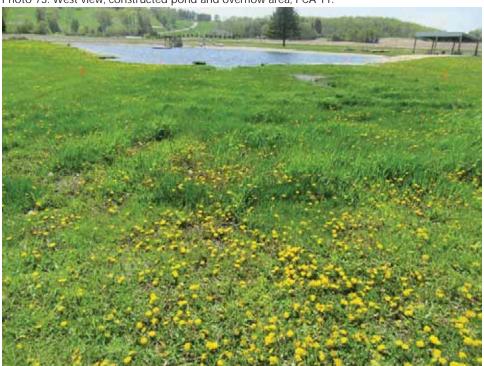


Photo 74. NW/upstream view, standing on narrow upland berm near sample site 97. Wetland PCA 2, tributary to Spring Creek is on the right with wetland PCA 13 on the left.



Photo 75. South view, staked wetland PCA 14.



Photo 76. NE view, staked wetland boundary, PCA 15, in cropped area near sample site 110.



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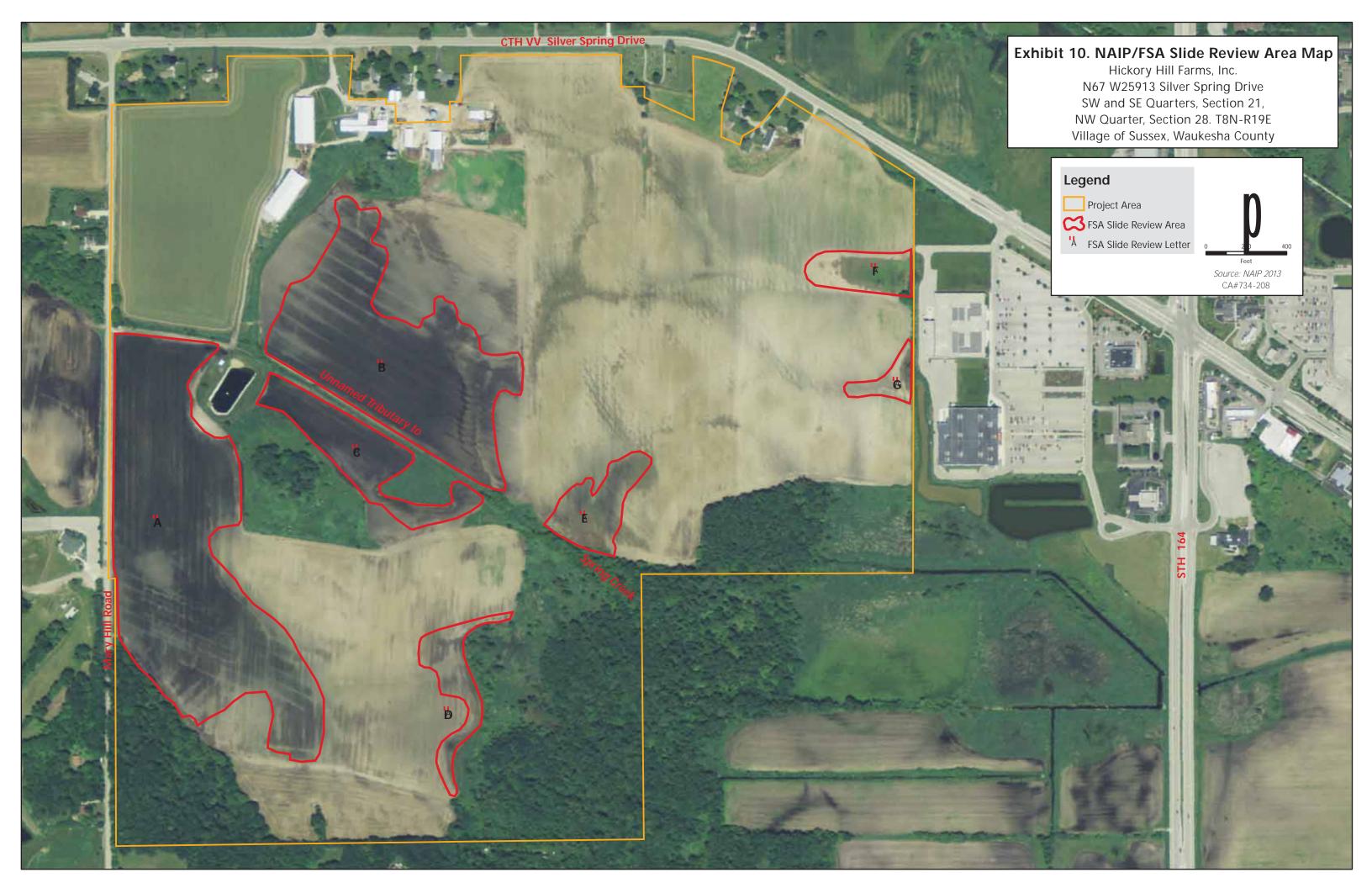


Exhibit 11. Wetland Hydrology from Aerial Imagery - Recording Form^a

Project Name: <u>Hickory Hill Farms, Inc.</u> Date: <u>3-28-2019</u> County: <u>Waukesha</u>

Investigator: Chris Jors; SEWRPC Legal Description (T, R, S): 0819 Sections 21 and 28

Summary Table

			Image Interpretation for Area(s)				
				A	В	С	D
			Sample site(s):	84, 87, 89-	32-34, 39,	95, 98, and	108, 110,
				92, 114, 115,	41-59, and	99	and 112
				119, 120,	62-65		
		Climate		122, and 124			
		Condition	Soil Unit(s):	HtA, HtB, Ph,	BsA and Pa	BsA (LmB)	LmB, KIA,
		(wet=3	NDCC Inventory	and Oc) PC	PC	W	and Ph
Date Image	Image	normal=2	NRCS Inventory: Landform:			toeslope,	PC
Taken (M-D-Y)	Image Source	dry=1) ^b	Lanuforni:	depression	hillslope and toeslope	low terrace	toeslope, depression
7-30-2017	NAIP	3		CS, DO (west)	CS, DO (SE)	CS, DO	CS, DO
9-22-2015	NAIP	3		CS (west); AP	SS SS	CS, DO	SS
, 22 2013	1 47 (11	3		(east)	33	00	33
6-19-2013	NAIP	3		SS	SS	SS	SS
7-1-2010	NAIP	3		CS	CS, DO	CS, DO	CS
7-5-2008	NAIP	2		CS, SW	CS, SW	CS, SW	NV
6-29-2006	NAIP	3		CS, SS	CS, SS, DO	CS, SS, DO	CS, DO
6-6-2005	NAIP	1		SS	SS	SS	SS-
August 2004	FSA	2		CS	CS	CS	CS, DO
June 2003	FSA	2		SS	SS	SS	NSS
2002	FSA	2		SS, SW	SS	SS, SW	SS-
June 2001	FSA	2		SS, WS	SS, WS	SS	SS-
June 2000	FSA	2		SS, SW	SS, SW	SS	SS
June 1999	FSA	3		SS	SS	NC, WS	SS-
June 1998	FSA	2		SS, SW	SS	NC, WS	SS-
June 1997	FSA	2		CS, SS	SS	NC, WS	SS
August 1996	FSA	2		NC, WS	CS, DO	NC, WS	DO, WS
June 1995	FSA	1		NC, WS, SS	SS	NC, WS	SS
1994	FSA	1		AP	CS	NC, WS	CS, DO
1993	FSA	3		AP, WS	CS	NC	CS
August 1992	FSA	1		CS, SS	CS	NC	SS
August 1991 FSA 2			CS	SS	NC	SS	
Normal Climate Condition (10 years)			A 10 (1000()	B	C	D	
	Number and % with wet signatures			10 (100%)	10 (100%)	10 (100%)	8 (80%)
	All Climate Conditions (21 years)			21 (1000()	21 (1000/)	21 (100%)	10 (05%)
Number and % with wet signatures			21 (100%)	21 (100%)	21 (100%)	19 (95%)	

KEY					
WS – wetland signature	SS – soil wetness signature	CS – crop stress			
NC – not cropped	AP – altered pattern	NV – normal vegetative cover			
DO – drowned out	SW – standing water	NSS – no soil wetness signature			
Other labels or comments: "+" and "-" symbols indicate strong and weak signatures, respectively					

Note: Where the date of an FSA slide is unknown, June 30 is assumed. Where only the month is known, the end of the given month is assumed if the month is May or June, and the beginning of the month is assumed if the month is July, August, September, and October.

^a This Form derived from US Army Corps of Engineers St. Paul District and Minnesota Board of Water and Soil Resources, *Guidance for Offsite Hydrology/Wetland Determinations*, 2016.

^b Climate data are taken from the nearest WETS station(s) with complete data. (Oconomowoc, WI)

Exhibit 11. Wetland Hydrology from Aerial Imagery – Recording Form^a

Project Name: <u>Hickory Hill Farms, Inc.</u> Date: <u>3-28-2019</u> County: <u>Waukesha</u>

Investigator: Chris Jors; SEWRPC Legal Description (T, R, S): 0819 Sections 21 and 28

Summary Table

			Image Interpretation for Area(s)			
		Climate		E	F	G
		Condition	Sample site(s):	68-70	80 and 81	77-79
Data Images		(wet=3	Soil Unit(s):	HmC2, Ph	BsA	Ph
Date Image Taken	Image	normal=2	NRCS Inventory:	PC	PC	PC
(M-D-Y)	Source	dry=1) ^b	Landform:	swale, depression	swale, depression	swale, depression
7-30-2017	NAIP	3		NV	DO, NC, SW	DO
9-22-2015	NAIP	3		SS	SS	SS
6-19-2013	NAIP	3		SS	CS, WS	SS
7-1-2010	NAIP	3		CS, DO	CS, DO, WS	CS, DO
7-5-2008	NAIP	2		WS	NC, WS	WS-
6-29-2006	NAIP	3		DO	DO, WS	CS, DO
6-6-2005	NAIP	1		SS-	SS	SS
August 2004	FSA	2		DO	AP, WS	NV
June 2003	FSA	2		SS-	SS-	SS-
2002	FSA	2		SS, WS	SS	SS
June 2001	FSA	2		SS, WS	SS-	SS
June 2000	FSA	2		SS	SS	SS
June 1999	FSA	3		SS, WS	SS-	SS
June 1998	FSA	2		SS, WS	NSS	SS
June 1997	FSA	2		SS, WS	SS	SS
August 1996	FSA	2		CS, WS	CS	DO
June 1995	FSA	1		SS, WS	SS-	SS
1994	FSA	1		CS, WS	NV	NV
1993	FSA	3		CS	WS	NV
August 1992	FSA	1		CS	CS	CS-
August 1991	FSA	2		SS	CS	CS
Normal Climate Condition (10 years)			Area: E	F	G	
Number and % with wet signatures				10 (100%)	9 (90%)	9 (90%)
	All Climate Conditions (21 years)					
Number and % with wet signatures			20 (95%)	19 (90%)	18 (86%)	

KEY						
WS – wetland signature	SS – soil wetness signature	CS – crop stress				
NC – not cropped	AP – altered pattern	NV – normal vegetative cover				
DO – drowned out	SW – standing water	NSS – no soil wetness signature				
Other labels or comments: "+" and "-" symbols indicate strong and weak signatures, respectively						

Note: Where the date of an FSA slide is unknown, June 30 is assumed. Where only the month is known, the end of the given month is assumed if the month is May or June, and the beginning of the month is assumed if the month is July, August, September, and October.

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^a This Form derived from US Army Corps of Engineers St. Paul District and Minnesota Board of Water and Soil Resources, *Guidance for Offsite Hydrology/Wetland Determinations*, 2016.

^b Climate data are taken from the nearest WETS station(s) with complete data. (Oconomowoc, WI)

Exhibit 12. NAIP/FSA Images with Normal Antecedent Precipitation

Hickory Hill Farms, Inc. N67 W25913 Silver Spring Drive SW and SE Quarters, Section 21, and NW Quarter, Section 28, T8N, R19E Village of Sussex, Waukesha County

NAIP Photo – July 5, 2008





FSA Slide – June 2003





FSA Slide – June 2001







FSA Slide – June 1997



FSA Slide – August 1996



FSA Slide – August 1991



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Exhibit 13. NRCS Draft Wetland Inventory Map

Hickory Hill Farms, Inc. N67 W25913 Silver Spring Drive SW and SE Quarters, Section 21 and NW Quarter, Section 28, T8N-R19E Village of Sussex, Waukesha County

