ENVIRONMENTAL & REGULATORY SERVICES DIVISION
BUREAU OF PECFA
P.O. Box 8044
Madison, Wisconsin 53708-8044
TDD #: (608) 264-8777
Fax #: (608) 267-1381
http://www.commerce.state.wi.us
http://www.wisconsin.gov
Scott McCallum, Governor
Philip Edw. Albert, Secretary

Wisconsin
Department of Commerce

October 01, 2002

Ms. Violetta Semanko
407 E. MD St.
Cadott, WI 54727

RE: **Final Closure**

Commerce # 54727-9359-07 WDNR BRRTS # 03-09-099703
Semanko Residence, 407 E. MD St., Cadott

Dear Ms. Semanko:

The Wisconsin Department of Commerce (Commerce) has received all items required for closure of the site referenced above. This site is now listed as "closed" on the Commerce database.

It is in your best interest to keep all documentation related to the environmental activities at your site. If residual contamination is encountered in the future, appropriate measures must be implemented to assure that it is managed following all applicable regulations. If future site conditions indicate that any remaining contamination poses a threat, and subsequent information indicates a need to reopen this case, any original claim under the PECFA fund would also reopen and you may apply for assistance to the extent of remaining eligibility.

Thank you for your efforts to protect Wisconsin's environment. If you have any questions, please contact me in writing at the letterhead address or by telephone at (608) 266-0593.

Sincerely,

Brian F. Taylor
Hydrogeologist
Site Review Section

cc: Ms. Victoria Loveland, Envirogen, Inc.
Case File

DOCUMENT# 643878

Recorded
JULY 01, 2002 AT 11:00AM

Marge L. Geissler

MARGE L. GEISSLER
REGISTER OF DEEDS
CHIPPEWA COUNTY, WI
Fee Amount: $13.00

Document Number

NOTICE OF CONTAMINATION TO PROPERTY

Legal Description of the Property: In re:

Arkwright's Edition, Lots 1 and 2, Block 4

RECEIVED
AUG 12 2002
ERS DIVISION

Recording Area

Name and Return Address

Mrs. Violetta Semanko
407 East MD Street
Cadott, WI 54727

22806-0522-603000401
Parcel Identification Number (PIN)

STATE OF WISCONSIN)
) ss
COUNTY OF Chippewa)

Section 1. Mrs. Violetta Semanko is the owner of the above-described property.

Section 2. One or more petroleum discharges have occurred at this property contaminating groundwater above NR 140 enforcement standards and soils above NR 720 residual contaminant levels of the Wisconsin Administrative Code exist(s) on this property.

Section 3. The owner hereby declares that all of the property described above is held and shall be held, conveyed or encumbered, leased, rented, used, occupied and improved subject to the following limitations and/or restrictions:

Anyone who proposes to construct or reconstruct a well on this property is required to contact the Department of Natural Resources' Bureau of Drinking Water and Groundwater, or its successor agency, to determine what specific prohibitions or requirements are applicable, prior to constructing or reconstructing a well on this property. No well may be constructed or reconstructed on this property unless applicable requirements are met.

Also,

Residual petroleum contaminated soil and groundwater remains on this site. According to the report filed by Envirogen, the residual contaminated soil and groundwater is located in the southern quarter of the property near the existing two stall garage with groundwater moving in a westerly direction. Natural attenuation is the approved remedial alternative for this site. If contaminated soil is excavated in the future, it may be considered a solid waste and will need to be disposed in accordance with all applicable laws. File references: PECFA Claim number 54727-9359-07 and BRRTS 03-09-099703, Envirogen, report dated May 24, 2001.

DOCUMENT# 643878

Any person who is or becomes owner of the property described above may request that the Wisconsin Department of Commerce, or its successor, issue a determination that the restrictions set forth in this covenant are no longer required. That property owner shall provide any and all necessary information to the Department in order for the Department to be able to make a determination. Upon receipt of such a request, the Department shall determine whether or not the restrictions contained herein can be extinguished. Conditions under which a restriction may be extinguished will be determined in accordance with the site specific standards, rules and laws for this property. If the Department determines that the restrictions can be extinguished, an affidavit, with a copy of the Department's written determination, may be recorded to give notice that this restriction, or portions of this restriction are no longer binding. Any restriction placed upon this property shall not be extinguished without the Department's written determination.

IN WITNESS WHEREOF, the owner of the property has executed this document, this 29 day of June, 20 02.

[When appropriate use the following clause]:

By signing this document, [he/she] acknowledges that [he/she] is duly authorized to sign this document on behalf of _____.

Signature: Violetta Semanko

Printed Name: VIOLETTA SEMANKO

Title: Owner

Subscribed and sworn to before me
this 29th day of June, 2002

Arlene L Verdegan

Notary Public, State of Wisconsin
My commission January 16, 2005

Arlene L. Verdegan

This document was drafted by the Wisconsin Department of Commerce.

ENVIROGEN

850 Hwy 153, Suite F
Mosinee, WI 54455

Tel: 715/693-1750
Fax: 715/693-1766
www.envirogen.com

September 21, 2001

RECEIVED
OCT 0 2 2001
ERS DIVISION

Mr. Brian Taylor
Wisconsin Department of Commerce
PECFA Site Review Section
P.O. Box 8044
Madison, Wisconsin 53708-8044

Re: The Semanko Property site, 407 East MD Street, Cadott, WI 54727
Envirogen Project Number: 980273
PECFA Claim Number: 54727-9359-07

Dear Mr. Taylor:

Enclosed please find monitoring well abandonment forms for the Semanko Property site. Please feel free to contact me at (715) 693-1750 if you have any questions or concerns regarding this information.

Sincerely,
ENVIROGEN, INC.

Krista Tennessen

Krista F. Tennessen
Staff I Environmental Specialist

cc: Mrs. Violetta Semanko, 407 East MD Street, Cadott, Wisconsin 54727

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 12-91

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location: MW-1

County: Chippewa

NW 1/4 of NW 1/4 of Sec. 5 ; T. 28 N; R. 6 ☐ E ☒ W

(If applicable) _____ Gov't Lot _____ Grid Number

Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Civil Town Name: Cadott

Street Address of Well: 407 East MD Street

City, Village: Cadott

(2) FACILITY NAME

Original Well Owner (If Known): Violetta Semanko

Present Well Owner: Violetta Semanko

Street or Route: 407 East MD Street

City, State, Zip Code: Cadott WI 54727

Facility Well No. and/or Name (If Applicable):

WI Unique Well No.: JX894

Reason For Abandonment: Site Closure

Date of Abandonment: 09/17/01

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 08/22/2000

☒ Monitoring Well
☐ Water Well
☐ Drillhole
☐ Borehole

Construction Report Available? ☒ Yes ☐ No

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) _____

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 13.88 Casing Diameter (ins.) 2.07
(From groundsurface)

Casing Depth (ft.) 13.88

Was Well Annular Space Grouted? ☐ Yes ☒ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) 8.74

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☐ Yes	☐ No	☒ Not Applicable
Casing Left in Place?	☒ Yes	☐ No	

If No, Explain _____

Was Casing Cut Off Below Surface?	☒ Yes	☐ No
Did Sealing Material Rise to Surface?	☒ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☒ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No. N/A

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☒ Other (Explain) Gravity

(6) Sealing Materials — For monitoring wells and monitoring well boreholes only
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☐ Chipped Bentonite
☐ Bentonite Pellets
☒ Granular Bentonite
☐ Bentonite - Cement Grout

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks, Sealant or Volume (Circle One)	Mix Ratio or Mud Weight
3/8" Granular Bentonite	Surface	13.88	1/3	

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work
Environcon, Inc.

Signature of Person Doing Work: Krista Jennesson
Date Signed: 09/21/01

Street or Route: 850 Hwy 153, Suite A
Telephone Number: (715) 693-1750

City, State, Zip Code: Mosinee, WI 54455

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

DNR/COUNTY

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 12-91

ll abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. dmin. Code, whichever is applicable. Also, see instructions on back.

GENERAL INFORMATION

Well/Drillhole/Borehole Location: MW-3

County: Chippewa

NW 1/4 of NW 1/4 of Sec. 5 ; T. 28 N; R. 6 ☐ E ☒ W

(If applicable) _____ Gov't Lot _____ Grid Number

Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Civil Town Name: Cadott

Street Address of Well: 407 East MD Street

City, Village: Cadott

(2) FACILITY NAME

Original Well Owner (If Known): Violetta Semanko

Present Well Owner: Violetta Semanko

Street or Route: 407 East MD Street

City, State, Zip Code: Cadott, WI 54727

Facility Well No. and/or Name (If Applicable)

WI Unique Well No.: IX896

Reason For Abandonment: Site Closure.

Date of Abandonment: 09/17/01

WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Well/Drillhole/Borehole Construction Completed On (Date): 08/22/2000

☒ Monitoring Well
☐ Water Well
☐ Drillhole
☐ Borehole

Construction Report Available? ☒ Yes ☐ No

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) _____

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 14.26 Casing Diameter (ins.) 2.07
(From groundsurface)

Casing Depth (ft.) 14.26

Was Well Annular Space Grouted? ☐ Yes ☒ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) 10.07

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☐ Yes	☐ No	☒ Not Applicable
Casing Left in Place?	☒ Yes	☐ No	

If No, Explain _____

Was Casing Cut Off Below Surface?	☒ Yes	☐ No
Did Sealing Material Rise to Surface?	☒ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☒ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No. N/A

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☒ Other (Explain) Gravity

(6) Sealing Materials — For monitoring wells and monitoring well boreholes only
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☐ Chipped Bentonite
☐ Bentonite Pellets
☒ Granular Bentonite
☐ Bentonite - Cement Grout

Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, (Sacks) Sealant or Volume (Circle One)	Mix Ratio or Mud Weight
3/8" Granular Bentonite	Surface	14.26	1/3	

Comments: _____

Name of Person or Firm Doing Sealing Work: Environcon, Inc.

Signature of Person Doing Work: Krista Jennesson — Date Signed: 09/21/01

Street or Route: 850 Hwy 153, Suite F — Telephone Number: (715) 693-1750

City, State, Zip Code: Mosinee, WI 54455

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

DNR/COUNTY

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 12-91

I abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

GENERAL INFORMATION

Well/Drillhole/Borehole Location: MW-4

County: Chippewa

NW 1/4 of NW 1/4 of Sec. 5 ; T. 28 N; R. 6 ☐ E ☒ W

(If applicable) _____ Gov't Lot _____ Grid Number

Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Civil Town Name: Cadott

Street Address of Well: 407 East MD Street

City, Village: Cadott

(2) FACILITY NAME

Original Well Owner (If Known): Violetta Semanko

Present Well Owner: Violetta Semanko

Street or Route: 407 East MD Street

City, State, Zip Code: Cadott, WI 54727

Facility Well No. and/or Name (If Applicable) | WI Unique Well No.: _____

Reason For Abandonment: Site Closure

Date of Abandonment: 09/17/01

ELL/DRILLHOLE/BOREHOLE INFORMATION

Original Well/Drillhole/Borehole Construction Completed On (Date): 08/22/2000

☒ Monitoring Well
☐ Water Well
☐ Drillhole
☐ Borehole

Construction Report Available? ☒ Yes ☐ No

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) _____

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 14.23 Casing Diameter (ins.) 2.07
(From groundsurface)

Casing Depth (ft.) 14.23

Was Well Annular Space Grouted? ☐ Yes ☒ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) 7.73

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☐ Yes	☐ No	☒ Not Applicable
Casing Left in Place?	☒ Yes	☐ No	

If No, Explain _____

Was Casing Cut Off Below Surface?	☒ Yes	☐ No
Did Sealing Material Rise to Surface?	☒ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☒ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No. N/A

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☒ Other (Explain) Gravity

(6) Sealing Materials — For monitoring wells and monitoring well boreholes only
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☐ Chipped Bentonite
☐ Bentonite Pellets
☒ Granular Bentonite
☐ Bentonite - Cement Grout

Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, (Sacks) Sealant or Volume (Circle One)	Mix Ratio or Mud Weight
3/8" Granular Bentonite	Surface	14.23	1/3	

Comments: _____

Name of Person or Firm Doing Sealing Work: Environcon, Inc.

Signature of Person Doing Work: Krista Jennesson | Date Signed: 09/21/01

Street or Route: 850 Hwy 153, Suite F | Telephone Number: (715) 693-1750

City, State, Zip Code: Mosinee, WI 54455

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

DNR/COUNTY

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B

Rev. 12-91

ll abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. dmin. Code, whichever is applicable. Also, see instructions on back.

GENERAL INFORMATION

Well/Drillhole/Borehole Location: MW-5

County: Chippewa

NW 1/4 of NW 1/4 of Sec. 5 ; T. 28 N; R. 6 ☐ E ☒ W

(If applicable) _____ Gov't Lot _____ Grid Number

Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Civil Town Name: Cadott

Street Address of Well: 407 East MD Street

City, Village: Cadott

(2) FACILITY NAME

Original Well Owner (If Known): Violetta Semanko

Present Well Owner: Violetta Semanko

Street or Route: 407 East MD Street

City, State, Zip Code: Cadott, WI 54727

Facility Well No. and/or Name (If Applicable)

WI Unique Well No. _ _ _ _ _ _

Reason For Abandonment: Site Closure

Date of Abandonment: 09/17/01

WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Well/Drillhole/Borehole Construction Completed On (Date): 08/22/2000

☒ Monitoring Well
☐ Water Well
☐ Drillhole
☐ Borehole

Construction Report Available? ☒ Yes ☐ No

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) _____

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 14.30 Casing Diameter (ins.) 2.07
(From groundsurface)

Casing Depth (ft.) 14.30

Was Well Annular Space Grouted? ☐ Yes ☒ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) 8.03

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☐ Yes	☐ No	☒ Not Applicable
Casing Left in Place?	☒ Yes	☐ No	

If No, Explain _____

Was Casing Cut Off Below Surface?	☒ Yes	☐ No
Did Sealing Material Rise to Surface?	☒ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☒ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No. N/A

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☒ Other (Explain) Gravity

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☐ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☒ Granular Bentonite
☐ Bentonite - Cement Grout

Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks, Sealant or Volume (Circle One)	Mix Ratio or Mud Weight
3/8" Granular Bentonite	Surface	14.30	1/3	

Comments: _____

Name of Person or Firm Doing Sealing Work: Environgen, LLC.

Signature of Person Doing Work: Krista Jennesson

Date Signed: 09/21/01

Street or Route: 850 Hwy 153, Suite F

Telephone Number: (715) 693-1750

City, State, Zip Code: Mosinee, WI 54455

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

DNR/COUNTY

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 12-91

I abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

GENERAL INFORMATION

Well/Drillhole/Borehole Location: MW-2

County: Chippewa

NW 1/4 of NW 1/4 of Sec. 5 ; T. 28 N; R. 6 ☐ E ☒ W

(If applicable) _____ Gov't Lot _____ Grid Number

Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Civil Town Name: Cadott

Street Address of Well: 407 East MD Street

City, Village: Cadott

(2) FACILITY NAME

Original Well Owner (If Known): Violetta Semanko

Present Well Owner: Violetta Semanko

Street or Route: 407 East MD Street

City, State, Zip Code: Cadott, WI 54727

Facility Well No. and/or Name (If Applicable)

WI Unique Well No.: IX895

Reason For Abandonment: Site Closure

Date of Abandonment: 09/17/01

WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Well/Drillhole/Borehole Construction Completed On

(Date) 08/22/2000

☒ Monitoring Well
☐ Water Well
☐ Drillhole
☐ Borehole

Construction Report Available? ☒ Yes ☐ No

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) _____

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 14.76 Casing Diameter (ins.) 2.07
(From groundsurface)

Casing Depth (ft.) 14.76

Was Well Annular Space Grouted? ☐ Yes ☒ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) 7.19

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☐ Yes	☐ No	☒ Not Applicable
Casing Left in Place?	☒ Yes	☐ No	

If No, Explain _____

Was Casing Cut Off Below Surface?	☒ Yes	☐ No
Did Sealing Material Rise to Surface?	☒ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☒ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No. N/A

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☒ Other (Explain) Gravity

(6) Sealing Materials — For monitoring wells and monitoring well boreholes only
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☐ Chipped Bentonite
☐ Bentonite Pellets
☒ Granular Bentonite
☐ Bentonite - Cement Grout

Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks, Sealant or Volume (Circle One)	Mix Ratio or Mud Weight
3/8" Granular Bentonite	Surface	14.76	1/3	

Comments: _____

Name of Person or Firm Doing Sealing Work: Environcon, Inc.

Signature of Person Doing Work: Krista Tennessen — Date Signed: 09/21/01

Street or Route: 850 Hwy 153, Suite F — Telephone Number: (715) 693-1750

City, State, Zip Code: Mosinee, WI 54455

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

DNR/COUNTY

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 12-91

l abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. lmin. Code, whichever is applicable. Also, see instructions on back.

GENERAL INFORMATION

Well/Drillhole/Borehole Location: MW-10

County: Chippewa

NW 1/4 of NW 1/4 of Sec. 5 ; T. 28 N; R. 6 ☐ E ☒ W

(If applicable) _____ Gov't Lot _____ Grid Number

Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Civil Town Name: Cadott

Street Address of Well: 407 East MD Street

City, Village: Cadott

(2) FACILITY NAME

Original Well Owner (If Known): Violetta Semanko

Present Well Owner: Violetta Semanko

Street or Route: 407 East MD Street

City, State, Zip Code: Cadott WI 54727

Facility Well No. and/or Name (If Applicable)

WI Unique Well No. _ _ _ _ _ _

Reason For Abandonment: Site Closure

Date of Abandonment: 09/17/01

ELL/DRILLHOLE/BOREHOLE INFORMATION

Original Well/Drillhole/Borehole Construction Completed On

(Date) 11/07/2000

☒ Monitoring Well
☐ Water Well
☐ Drillhole
☐ Borehole

Construction Report Available? ☒ Yes ☐ No

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify)

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 14.66 Casing Diameter (ins.) 2.07
(From groundsurface)

Casing Depth (ft.) 14.66

Was Well Annular Space Grouted? ☐ Yes ☒ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) 7.96

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☐ Yes	☐ No	☒ Not Applicable
Casing Left in Place?	☒ Yes	☐ No	

If No, Explain _____

Was Casing Cut Off Below Surface?	☒ Yes	☐ No
Did Sealing Material Rise to Surface?	☒ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☒ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No. N/A

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☒ Other (Explain) Gravity

(6) Sealing Materials — For monitoring wells and monitoring well boreholes only
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☐ Chipped Bentonite
☐ Bentonite Pellets
☒ Granular Bentonite
☐ Bentonite - Cement Grout

Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, (Sacks) Sealant or Volume (Circle One)	Mix Ratio or Mud Weight
3/8" Granular Bentonite	Surface	14.66	1/3	

Comments: _____

Name of Person or Firm Doing Sealing Work: Environcon, Inc.

Signature of Person Doing Work: Krista Jennesson — Date Signed: 09/21/01

Street or Route: 850 Hwy 153, Suite A — Telephone Number: (715) 693-1750

City, State, Zip Code: Mosinee, WI 54455

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

DNR/COUNTY

ENVIRONMENTAL & REGULATORY SERVICES
PECFA
P. O. Box 8044
Madison, Wisconsin 53708-8044
Fax#: (608) 267-1381
TDD #: (608) 264-8777
www.commerce.state.wi.us
Scott McCallum, Governor
Brenda J. Blanchard, Secretary

Wisconsin
Department of Commerce

August 15, 2001

Ms. Violetta Semanko
407 East MD Street
Cadott, WI 54727

Subject: **Conditional Case Closure** – Semanko Property
407 East MD Street, Cadott
COMMERCE #54727-9359-07 **DNR #03-09-099703**

Dear Ms. Semanko:

The above referenced site was reviewed for closure by Wisconsin Department of Commerce PECFA Site Review (Commerce) staff in response to the closure request prepared by your consultant, Envirogen. It is understood that there is residual soil and groundwater contamination left on-site. Using the standards established in NR 700, and the risk criteria of Comm 46, Commerce has determined that this site does not pose a significant threat to the environment and human health and no further investigation or remedial action is necessary.

The following items are necessary to satisfy the conditions of closure:

1. A notification must be placed on the property deed addressing residual petroleum impacts to soil and groundwater on the above-mentioned property. For case closure Commerce will need the deed notification containing the County Register of Deeds' recording information. **Commerce suggests including a site map indicating where the remaining contamination exists.** Enclosed are examples of "Notice of Contamination to Property" for your use. If you wish to modify the language, submit copies to this office for approval prior to filing. If an electronic copy of the "Notice of Contamination to Property" is desired, you may contact Commerce and a copy will be forwarded to you.
2. All monitoring wells must be abandoned and the appropriate forms forwarded to the letterhead address.

IMPORTANT: Before this case can be officially listed as "closed" on the Wisconsin Department of Commerce/Natural Resources computer database, you or your consultant must submit the requested information.

If, in the future, site conditions indicate that any contamination that remains poses a threat, the need for further remediation would be determined and required if necessary. If subsequent information indicates a need to reopen this case, any original claim under the PECFA fund would also reopen and you may apply for assistance to the extent of remaining eligibility.

It is important to realize that if the land use conditions change in the future and the contaminated soil is disturbed, appropriate measures must be implemented to assure any residual contamination is managed following all applicable State of Wisconsin regulations and standards.

If you have any questions, feel free to contact me at (608) 266-0593 or by e-mail at btaylor@commerce.state.wi.us.

Sincerely,

Brian F. Taylor
Hydrogeologist
Department of Commerce
PECFA Site Review Section

Enclosure

Cc: electronic storage
Ms. Victoria Flowers, Envirogen

CORRESPONDENCE/MEMORANDUM

State of Wisconsin

RECEIVED
JUL 16 2001
ERS DIVISION

DATE: July 10, 2001

TO: Shawn Wenzel – COMM

FROM: Patrick Collins - Baldwin

SUBJECT: Site Transfers

Shawn, Here are two sites being transferred to Commerce. Call if you have any questions.

Violetta Semanko Residence 03-09-099703

Chieftan Oil Bulk Facility 02-09-213903

Shawn, the SI for this site is not complete in my opinion. Two things that jump out immediately are; only one round of sampling for some of the wells, and lack of investigation of the loading rack where the first soil sample was taken.

Printed on Recycled Paper

WISCONSIN
DEPT. OF NATURAL RESOURCES

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Scott McCallum, Governor
Darrell Bazzell, Secretary
Scott A. Humrickhouse, Regional Director

Baldwin Service Center
990 Hillcrest Street
Suite 104
Baldwin, Wisconsin 54002
Telephone 715-684-2914
FAX 715-684-5940

RECEIVED
JUL 16 2001
ERS DIVISION

July 10, 2001

Ms. Violetta Semanko
407 East MD Street
Cadott, WI 54727

Site ID # : 03-09-099703
Chippewa County

Subject: Case Transfer – Violetta Semanko Residence, 407 East MD Street, Cadott, WI

Dear Ms. Semanko:

The State of Wisconsin divides the jurisdiction for sites contaminated by petroleum storage tank systems between the WDNR and the Department of Commerce (COMM). This is based on statutory definitions of high, medium and low risk sites. Under this statute, oversight of sites falling under the definition of "low or medium risk" is the responsibility of Commerce rather than our agency. Your consultant has advised us that your site falls under the definition of "low or medium risk". As such, staff at Commerce will provide further review of submittals and all technical assistance.

All future questions and correspondence regarding this site should be directed to the Department of Commerce. Correspondence should be addressed to:

Mr. Shawn Wenzel (608) 261-5401
WI Dept. of Commerce
201 W. Washington Avenue
P.O. Box 8044
Madison, WI 53708-8044

Please include both your PECFA claim number, if you have one, and your DNR site identification number in your correspondence.

Sincerely,

Patrick J. Collins

Patrick J. Collins
Hydrogeologist

c: Victoria Loveland - Envirogen
Shawn Wenzel - COMM

ENVIROGEN

850 Hwy 153, Suite F
Mosinee, WI 54455

Tel: 715/693-1750
Fax: 715/693-1766
www.envirogen.com

RECEIVED
JUL 16 2001
ERS DIVISION

May 24, 2001

Mr. Patrick Collins
Wisconsin Department of Natural Resources
990 Hillcrest, Suite 104
Baldwin, Wisconsin 54002

Re: Closure request for the Semanko Property Site, Cadott, Wisconsin
Envirogen Project No. 980273
WDNR ID No. 03-09-099703
PECFA Claim No. 54727-9359-07

Dear Mr. Collins:

Enclosed please find the closure request for the Semanko Property site located in Cadott, Wisconsin. No "high risk" criteria as defined in the 1999 Wisconsin Act 9, 101.144(1)(aq) exist at the site. Therefore, Envirogen is requesting file transfer of the site to:

Shawn Wenzel
Wisconsin Department of Commerce.
201 W. Washington Avenue
P.O. Box 8044
Madison, Wisconsin 53708

Please feel free to contact me at (715) 693-1750 if you have any questions regarding the site.

Sincerely,
ENVIROGEN, INC.

Victoria L. Loveland

Victoria L. Loveland
Senior Geological Engineer/Hydrogeologist

VLL/jcp

cc(w/enc): Mrs. Violetta Semanko

ENVIROGEN

850 Hwy 153, Suite F
Mosinee, WI 54455

Tel: 715/693-1750
Fax: 715/693-1766
www.envirogen.com

May 24, 2001

Mr. Shawn Wenzel
Wisconsin Department of Commerce
201 W. Washington Avenue
P.O Box 8044
Madison, Wisconsin 53708

Re: Closure Request for the Semanko Property Site located at 407 East MD Street, Cadott, Wisconsin 54727
Envirogen Project No. P980273
WDNR ID No. 03-09-099703
PECFA Claim No. 54727-9359-07

Dear Mr. Wenzel:

Envirogen, Inc. (Envirogen) has completed site investigation activities at the referenced site and is requesting site closure under Wisconsin Department of Commerce (COMM) Emergency Rule COMM 46.06. No environmental factors or risk criteria exist at the site, and the site is under the sole management of COMM.

The COMM Case Summary and Close Out Form is provided as Attachment A. Figures, tables, and graphs referenced in this closure document are included as Attachments B, C, and D, respectively. Wisconsin Department of Natural Resources forms are provided in Attachment E. Soil and groundwater laboratory analytical reports are provided in Attachments F and G, respectively. The following paragraphs present a summary of site investigation and remedial activities along with justification for site closure.

Summary of Investigation Activities

The Semanko Property site is located in Cadott, Wisconsin. The site is part of the NW1/4, NW1/4, Section 5, T28N, R6W, Chippewa County, as illustrated in Figure 1. The site has historically been, and currently is, a private residence. The site is primarily grass- and gravel-covered. A single-story residence is located on the west-central portion of the site. A two-car garage is located on the southern part of the site and an alley is located just south of the garage. State Highway 27 borders the site to the west and East MD Street borders the site to the north with a gasoline station beyond. An alley and vacant lot exist to the south, and a residence is located to the east. Figure 2 illustrates the site configuration.

One 300-gallon underground storage tank (UST) was utilized on-site for the storage and distribution/resale of unleaded gasoline, and was located near the southwestern corner of the garage. The installation date

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of the tank is unknown; however, it was removed from the site on April 10, 1996. Soil contamination was observed during tank removal activities, but no samples were taken to confirm contamination existed.

Envirogen was contracted to perform site investigation and remedial activities. On July 6, 2000, six Geoprobe borings, GP-1 through GP-6, were advanced at the site. All Geoprobe borings were advanced to depths ranging between 12 and 20 feet bls. On August 22, 2000, five monitoring wells were installed at the site. All wells were advanced to 15 feet below land surface (bls) and constructed with 10 feet of screen, from 5 feet bls to 15 feet bls. A sixth well, MW-10, was installed at the site on November 7, 2001, and was also constructed with 10 feet of screen from 5 to 15 feet bls.

Soil samples were collected from each Geoprobe boring location and submitted to a state-certified laboratory for analysis of petroleum volatile organic compounds (PVOCs) and gasoline range organics (GRO). PVOCs and GRO were detected in three of the 11 samples analyzed. Concentrations exceeded Wisconsin Administrative Code (WAC) NR 720 generic soil standards in only two of the samples, one of which may be more indicative of groundwater contamination. Table 1 summarizes laboratory analytical results. Figure 3 illustrates the soil benzene distribution. Analytical results indicate that petroleum contaminants above WAC NR 720 generic soil standards were present in and around the former UST basin, and the soil contaminant plume has been defined.

Site geology, as compiled from boring logs, consists mainly of medium-grained sand intermingled with some silt and clay. Bedrock was not encountered during drilling activities, although a hardpan layer was encountered at several boring locations. Based on data obtained from boring logs, two cross-sections of the site geology were prepared. Figures 4 and 5 illustrate the geology and soil benzene distribution cross-sections in north-south and east-west orientations, respectively.

Groundwater samples were collected from Geopbrobe borings on July 6, 2000, and from all wells on August 29, 2000, December 8, 2000, and March 13, 2001. Samples were submitted to a state-certified laboratory for analysis of volatile organic compounds (VOCs) or PVOCs and GRO. Groundwater samples collected at monitoring well MW-5, in the former UST basin, exhibited the highest concentrations of petroleum at the site. Concentrations were present above NR 140 enforcement standards (ESs) for benzene, ethylbenzene, toluene, and xylene (BETX) compounds, naphthalene, and/or methyl tertiary butyl ether (MTBE) in MW-2, MW-4, and MW-5. Several other VOCs were identified in the initial groundwater sample collected at GP-1/MW-5; however, those compounds have no NR 140 standards. Table 2 summarizes groundwater analytical results for all sampling events, and Figure 6 illustrates the benzene distribution as observed on March 13, 2001.

Contaminant concentrations have illustrated a steady decrease in MW-5 over the four sampling events as illustrated in Graph 1. Concentrations in MW-2 also have illustrated a decrease for all compounds since the initial sampling event. Samples from MW-4 appear to be relatively stable, and seem to illustrate seasonal fluctuations. Benzene levels are barely over its ES and naphthalene concentrations have

decreased to below method detection limits. The December 8, 2000, sample from MW-10 illustrated a benzene concentration above ES, but the most recent sampling event indicated that the benzene concentration decreased to below the ES. Naphthalene also illustrated a decrease, originally detected above its preventive action limit, but decreased to below detection limit on the March 13, 2001 sampling round.

Groundwater level measurements were obtained from the wells during sampling activities. Depth to groundwater at the site is approximately 10 feet bls. Groundwater flow direction is to the southwest under a hydraulic gradient of 9.2×10^{-2} ft/ft. Figure 7 illustrates the potentiometric surface as measured on March 9, 2001.

Natural Attenuation

Decreasing contaminant concentrations with time, in conjunction with a stable or receding contaminant plume, are primary evidence that natural attenuation processes are effective. Natural attenuation depends upon both the petroleum contaminant's reactivity and the site's geologic and chemical characteristics. To assess any changes occurring in the site's geochemical environment, geochemical parameters, such as dissolve oxygen, nitrate, dissolved manganese, ferrous iron, sulfate, and alkalinity, were collected by Envirogen personnel and submitted to a state-certified laboratory for analysis.

During biodegradation of petroleum contaminants, microbes directly utilize dissolved oxygen, nitrate, and sulfate as terminal electron acceptors. If biodegradation is occurring at the site, it is expected that these compounds will be depleted within the dissolved contaminant plume. Dissolved manganese (Mn^{2+}) and dissolved iron (Fe^{2+}) are byproducts of microbial metabolism of petroleum contaminants. These compounds may increase within the dissolved plume.

A good indication that natural attenuation is occurring at the Semanko Property site is the measurement of dissolved oxygen in each monitoring well. Of the natural attenuation parameters, oxygen is the most favored electron acceptor. Microbial biodegradation of petroleum compounds results in the release of a number of different atoms and electrons. Free electrons are easily attached to dissolved oxygen molecules in the water. This allows for the absorption of electrons but grants the transformation of oxygen molecules into different byproducts. The end results are lower concentrations of dissolved oxygen in the presence of natural attenuation. This low dissolved oxygen concentration trend is evident in MW-5, where groundwater contamination is the highest. Concentrations increase in wells where contamination is not present.

Other natural attenuation parameters include nitrate, iron, and manganese. After dissolved oxygen has been depleted in the microbiological treatment zone, nitrate may be used as an electron acceptor. Nitrogen transformation results in lower concentrations of nitrates in the presence of natural attenuation. This trend is also clear at the Semanko Property site. Lower nitrate concentrations exist in the area of contamination but increase in clean areas.

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Iron and manganese will also be used as electron acceptors during the process of natural attenuation. As the acceptance of electrons causes the reduction of iron and manganese, a water-soluble form of each element is produced. The results are higher concentrations of dissolved iron and manganese in the groundwater with the occurrence of natural attenuation. This trend is evident with respect to manganese in the area of MW-5. As expected, iron and manganese concentrations dissipate in wells that have not been impacted by the petroleum contamination.

Finally, alkalinity is used as a measure of the buffering capacity of groundwater and is affected by carbon dioxide produced from microbial biodegradation of petroleum contaminants. Alkalinity is expected to increase within the contaminant plume. Concentrations of alkalinity are moderately high in MW-5, but do not appear to be as conclusive as the remaining natural attenuation parameters. Table 3 summarizes the natural attenuation parameter results.

Conclusions

Site investigation activities have been completed at the Semanko Property site. Soil contamination exists on-site, however, no health risk is associated with the soil contamination. Four quarters of natural attenuation and groundwater contaminant sampling indicate that groundwater contaminant levels on-site are above WAC NR 140 ESs but illustrate steadily decreasing trends. Additionally, natural attenuation parameters indicative of active bioremediation are present at the site and are expected to assist in restoring groundwater quality and reducing contaminant concentrations over time.

No environmental factors or risk criteria exist at the site. Land use will not constitute a situation in which the minor residual contamination poses an unacceptable risk to human health or the environment or sensitive receptors. There are no potable or municipal wells located within 100 feet and 1,000 feet, respectively, of a monitoring well with contaminant concentrations exceeding ESs at the site. There do not appear to be other potential receptors for a long distance in the downgradient direction.

All the data presented supports Envirogen's conclusion that case closure is warranted for the Semanko Property site. Envirogen recommends that no further action be required at the site and the site be granted conditional closure. If you have any questions or require additional information, please contact me at (715) 693-1750.

Sincerely,
ENVIROGEN, INC.

Victoria L. Loveland

Victoria L. Loveland
Senior Geological Engineer/Hydrogeologist

cc(w/enc): Mrs. Violetta Semanko

ENVIROGEN

ACRONYM DEFINITIONS

BETX -	benzene, ethylbenzene, toluene, and xylenes
COMM -	Department of Commerce
DO -	dissolved oxygen
Envirogen -	Envirogen, Inc.
ES -	enforcement standard
GRO -	gasoline range organics
MTBE -	methyl tertiary butyl ether
NA -	not analyzed
NS -	not sampled/no standard
PALs -	preventive action limits
PVOCs -	petroleum volatile organic compounds
TMB -	trimethylbenzene
UST -	underground storage tank
VOCs -	volatile organic compounds
WAC -	Wisconsin Administrative Code
WDNR -	Wisconsin Department of Natural Resources

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Attachment A

COMM Case Summary and Closeout Form

Wisconsin Department of Commerce
Environmental and Regulatory Services Division

Bureau of PECFA
Site Review Section

COMMERCE
CASE SUMMARY AND CLOSE OUT

Personal information you provide may be used for secondary purposes [Privacy Act, s. 15.04(1)(M)].

SEE INSTRUCTIONS ON THE BACK OF THIS PAGE

Date Received (office use only)

A. **COMMERCE NUMBER:** 5 4 7 2 7 - 9 3 5 9 - 0 7

DNR BRRTS NUMBER (optional): 0 3 - 0 9 - 0 9 9 7 0 3

B. Responsible Party or Owner Name	C. Responsible Party or Owner Phone Number
Violetta Semanko	(715) 289-4612
D. Responsible Party or Owner Address, City, State and Zip Code	**E. Remedial Action Site Name, Address, City and Zip Code**
407 E. MD Street Cadott, Wisconsin 54727	Semanko Property Site 407 E. MD Street Cadott, Wisconsin 54727

Enforcement Actions or Permits Closed Out? ___ Y X N Contaminant Type(s): Gasoline

Quantity Released: Unknown Potential Receptors: None

Status of water supply wells within 1200 feet of the site?

No potable wells, Municiple wells > 1200 ft

♦ SOIL

Soil Type: Silty sand Depth to Bedrock: >30 feet

Site Specific Soil Standards (NR 720.19)? ___ Y X N Final Confirmation Sampling Method: ___

Remedial Action Taken: None Were Soils Excavated? ___ Y X N Quantity: NA Tons

Treatment/Disposal Method: NA Treatment/Disposal Location: NA

♦ GROUNDWATER (if applicable)

Groundwater Encountered? X Y ___ N Monitoring Well(s) Installed? X Y ___ N

Depth to Groundwater & Flow Direction: ~10ft bls Perched Water? ___ Y X N Depth: NA feet

Preventive Action Limit exceeded at this time? X Y ___ N (If yes, location) MW-2, MW-5

Enforcement Standard exceeded at this time? X Y ___ N (If yes, location) MW-2, MW-5

Environmental Consultant Name and Phone Number	Environmental Consultant Address, City, State and Zip Code
Envirogen, Inc. (715) 693-1750	850 Hwy 153, Suite F Mosinee, Wisconsin 54455

I, the environmental consultant, certify with my signature that the information presented is true and accurate and recommend that no further action be required at this site.

Consultant Signature: Victoria L. Loveland Date: 4/27/01

ERS-10XXX (2/97)
q:\pewaukee\template\wdnr deed instrument templates\comm oshkosh office closure form.doc

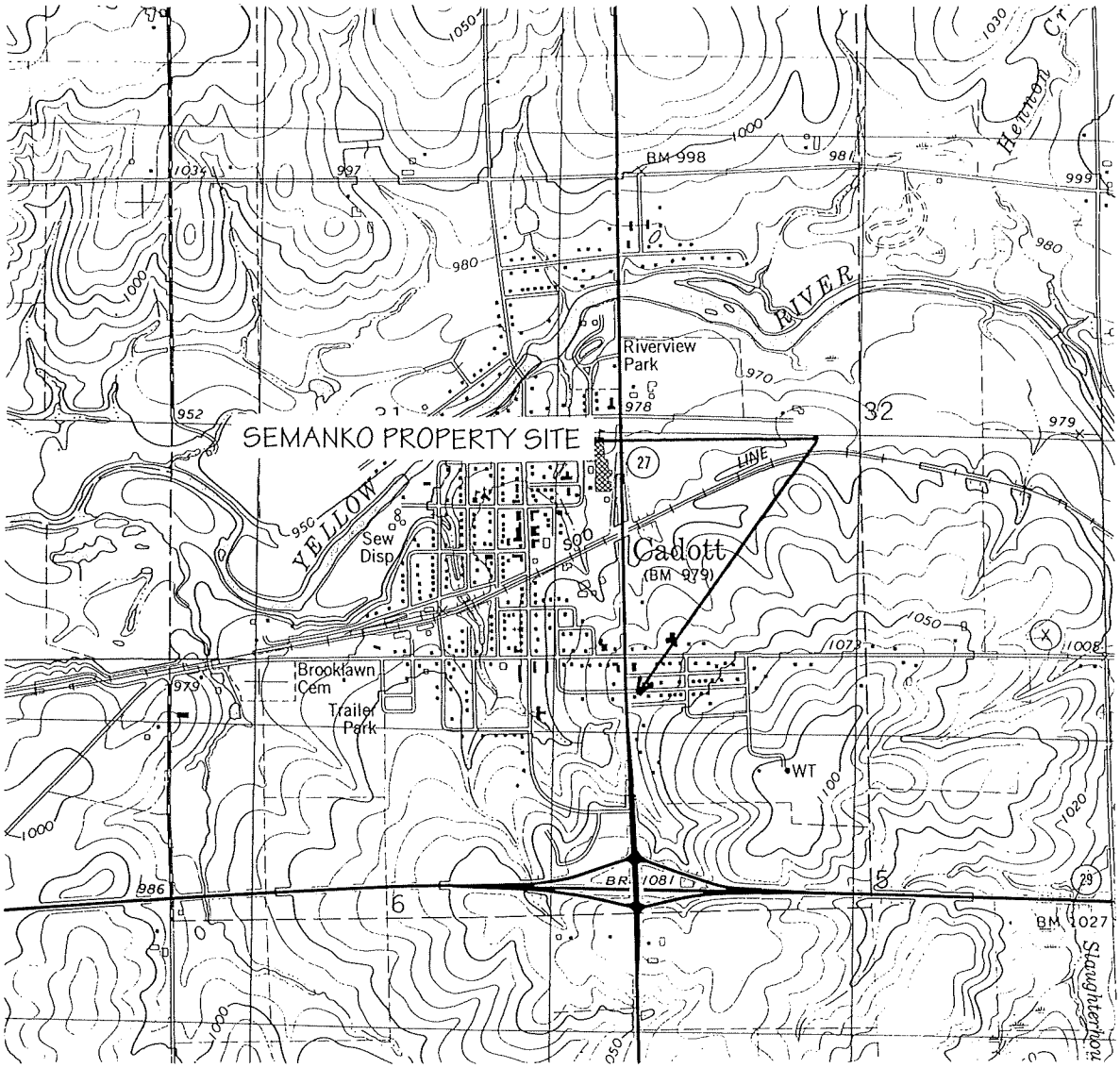
ENVIROGEN

Attachment B

Figures

ENVIROGEN

LIST OF FIGURES



(USGS 1979)
CADOTT QUADRANGLE

SCALE
1:24000

1/2 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 10 FEET

N

LOCATION

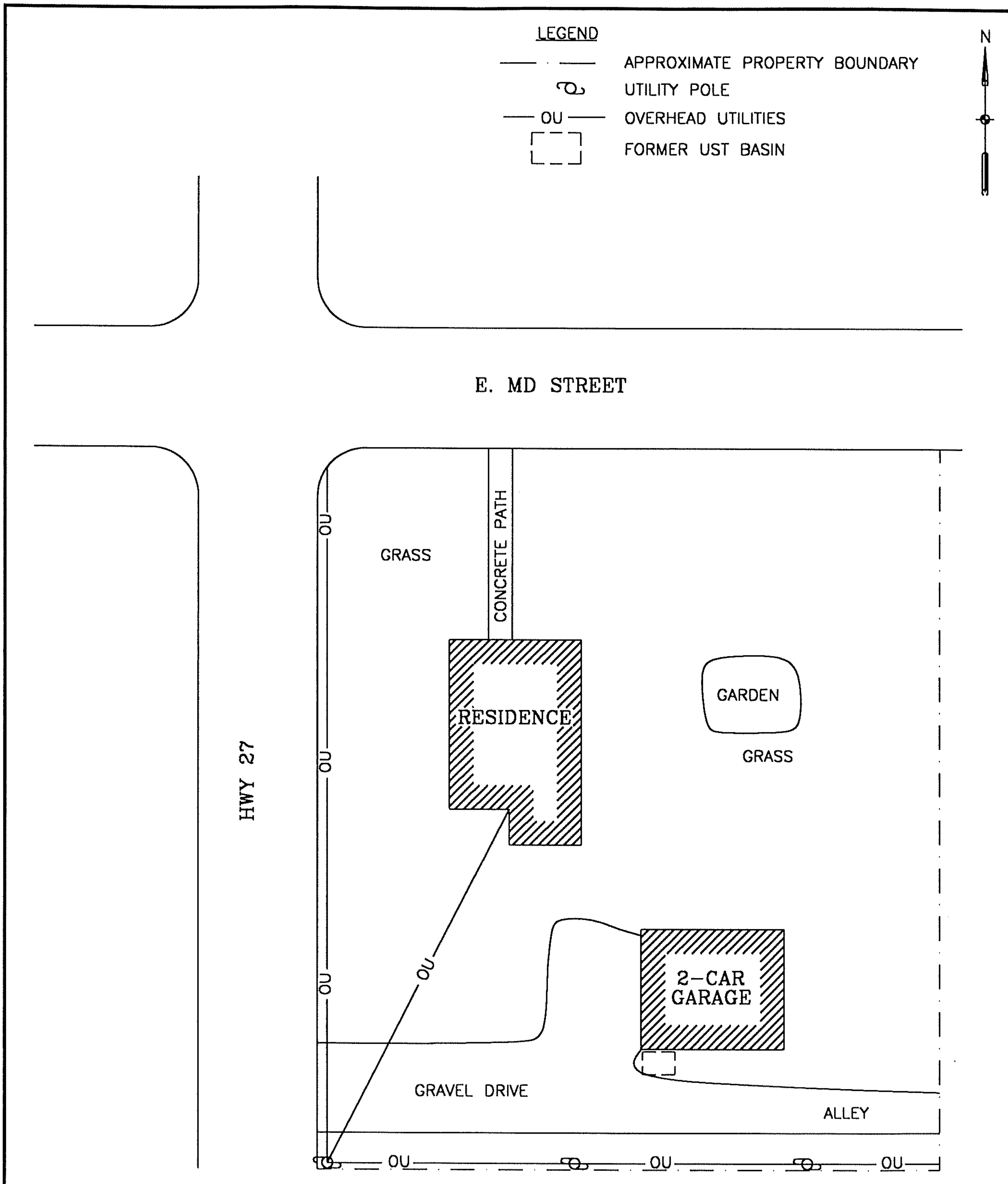
ENVIROGEN

COST EFFECTIVE LEADERSHIP FOR A CLEANER ENVIRONMENT

850 Hwy 153 Suite F
Mosinee, Wisconsin 54455

SITE LOCATION MAP SEMANKO PROPERTY SITE CADOTT, WISCONSIN	FIGURE NO 1

DRAWING NO.	98.151.1
DRAWN BY:	RRT
	3/11/99
CHECKED BY:	
	6/10/99
APPROVED BY:	
REVISIONS:	
ENGINEER	
DATE	
ENGINEER	
DATE	



ENVIROGEN
COST EFFECTIVE LEADERSHIP FOR A CLEANER ENVIRONMENT
850 Hwy 153 Suite F
Mosinee, Wisconsin 54455

SCALE
0 30'

SITE PLAN VIEW	FIGURE NO.
SEMANKO PROPERTY SITE CADOTT, WISCONSIN	2

DRAWING NO. 98.273L2
DRAWN BY: KFT 05/08/01
CHECKED BY: [signature]
APPROVED BY: [signature]
REVISIONS:
ENGINEER DATE
ENGINEER DATE

NOTE:

BENZENE CONTAMINATION OBSERVED IN THE SOIL SAMPLE FROM GP-2 IS BELIEVED TO BE GROUNDWATER CONTAMINATION.

LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- FORMER UST BASIN
- GEOPROBE BORING
- MONITORING WELL
- ( ) BENZENE CONCENTRATION IN ppb
- NA NOT ANALYZED
- 5.5 ISOCONCENTRATION CONTOUR

N

E. MD STREET

HWY 27

GRASS

CONCRETE PATH

RESIDENCE

MW-10 (NA)

GARDEN

GRASS

MW-2 (NA)

GP-4 (<25)

2-CAR GARAGE

MW-1 (NA)

5.5

MW-3 (NA)

GP-5 (<25)

GP-1 (286)

GP-2 (3,240)

GRAVEL DRIVE

ALLEY

GP-6 (<25)

MW-4 (NA)

GP-3 (<25)

MW-5 (NA)

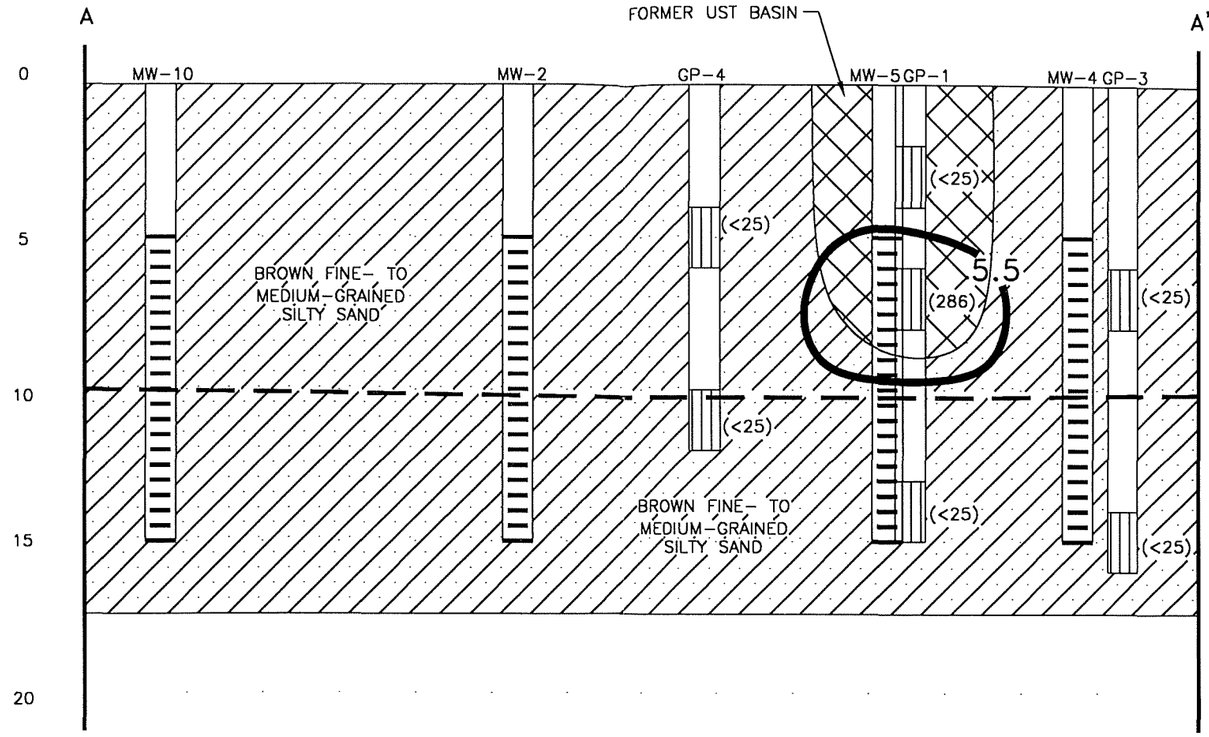
ENVIROGEN
COST EFFECTIVE LEADERSHIP FOR A CLEANER ENVIRONMENT
850 Hwy 153 Suite F
Mosinee, Wisconsin 54455

SCALE

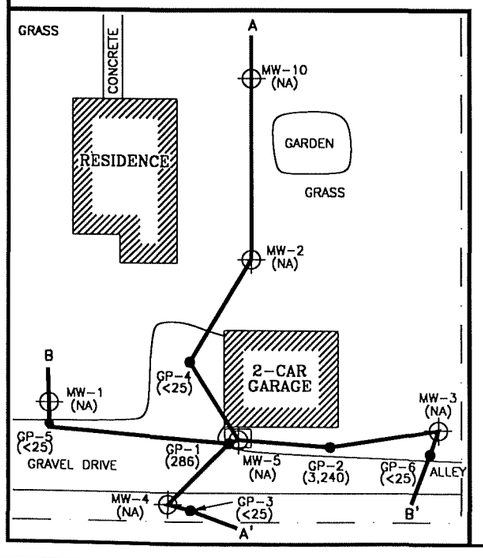
0 30'

SOIL BENZENE DISTRIBUTION	FIGURE NO. 3
SEMANKO PROPERTY SITE CADOTT, WISCONSIN	

DRAWING NO.	98.273L3
DRAWN BY:	KFT
CHECKED BY:	05/08/01
APPROVED BY:	VJL
REVISIONS:	
ENGINEER	DATE
ENGINEER	DATE



PLAN VIEW



LEGEND

- SCREENED INTERVAL
- SAMPLE INTERVAL
- 5.5 ISOCONCENTRATION CONTOUR
- GROUNDWATER TABLE
- ( ) BENZENE CONCENTRATION IN ppb

SCALE

HORIZONTAL: 1' = 20'

VERTICAL: 1" = 5'

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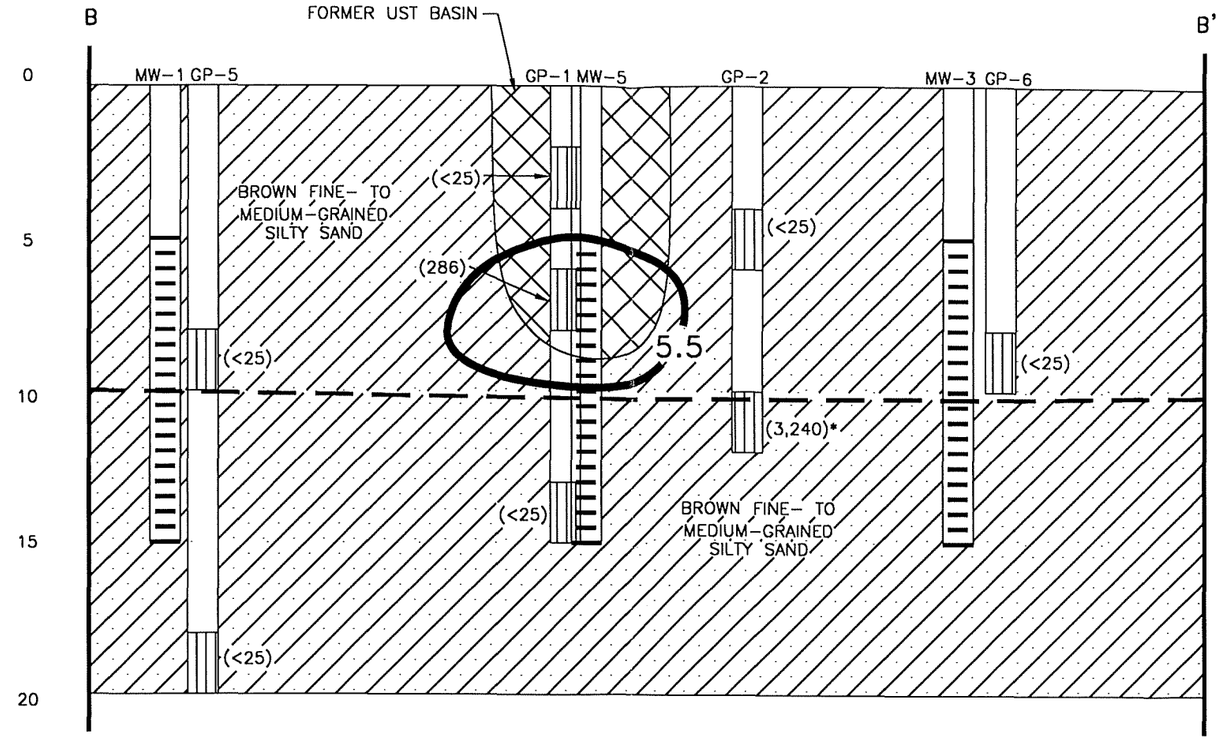
COST EFFECTIVE LEADERSHIP FOR A CLEANER ENVIRONMENT

850 Hwy 153 Suite F
Mosinee, Wisconsin 54455

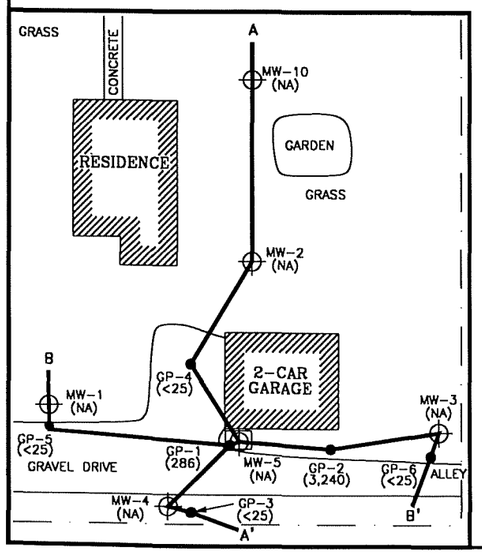
SOIL BENZENE DISTRIBUTION
CROSS-SECTION A-A'
SEMANKO PROPERTY SITE
CADOTT, WISCONSIN

FIGURE NO. 4

DRAWING NO.	98.2731.4
DRAWN BY:	KFT
CHECKED BY:	RCA
ENGINEER	
DATE	05/09/01
APPROVED BY:	VJL
REVISIONS:	
ENGINEER	
DATE	



PLAN VIEW



LEGEND

- SCREENED INTERVAL
- SAMPLE INTERVAL
- 5.5 — ISOCONCENTRATION CONTOUR
- GROUNDWATER TABLE
- ( ) — BENZENE CONCENTRATION IN ppb
- * — BELIEVED TO BE GROUNDWATER CONTAMINATION

SCALE

HORIZONTAL: 1' = 20'

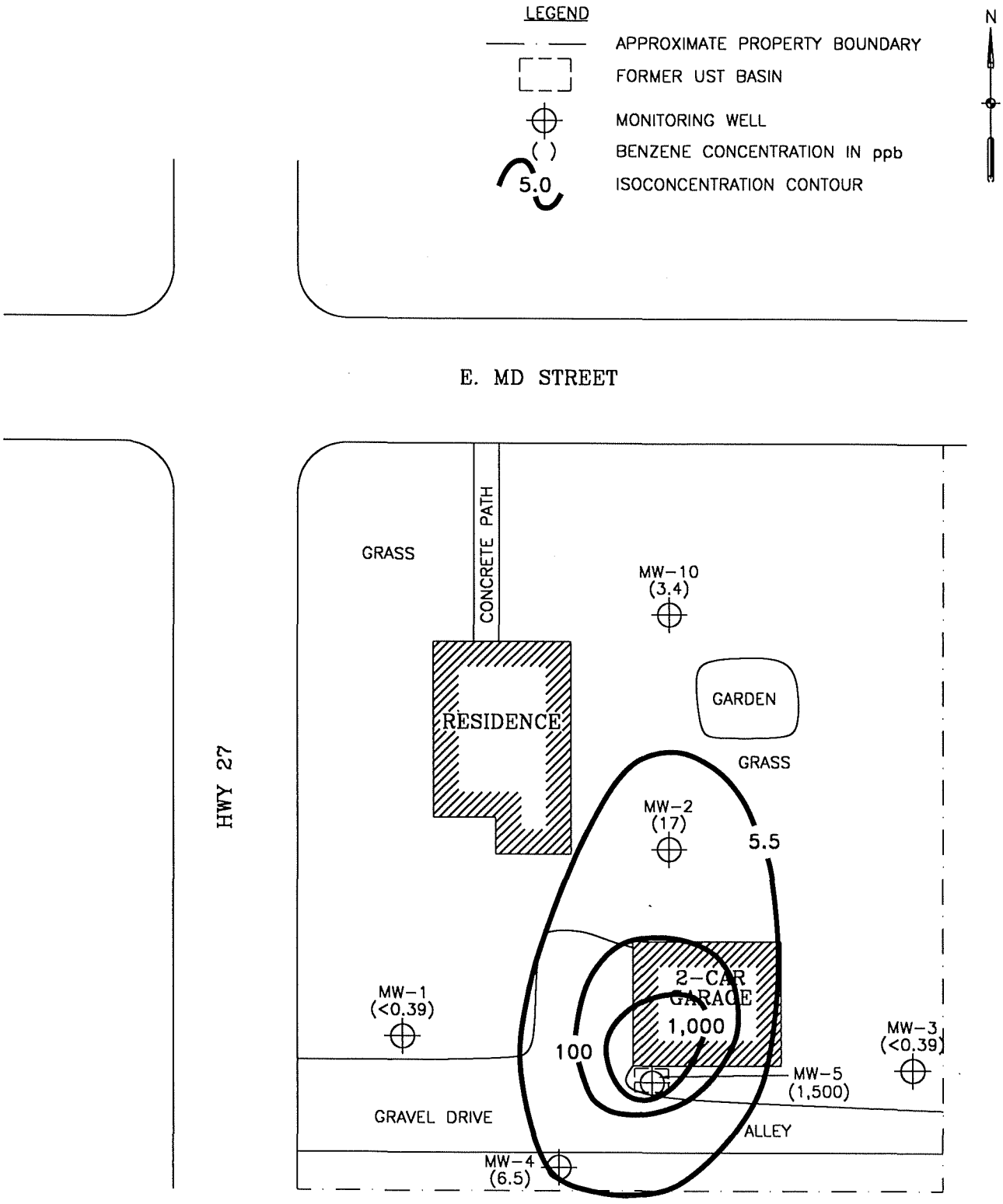
VERTICAL: 1" = 5'

ENVIROGEN
COST EFFECTIVE LEADERSHIP FOR A CLEANER ENVIRONMENT
850 Hwy 153 Suite F
Mosinee, Wisconsin 54455

SOIL BENZENE DISTRIBUTION
CROSS-SECTION B-B'
SEMANKO PROPERTY SITE
CADOTT, WISCONSIN

FIGURE NO. 5

DRAWING NO.	98.273L5
DRAWN BY:	KFT
CHECKED BY:	
DATE	05/09/01
ENGINEER	
DATE	
ENGINEER	
REVISIONS:	
APPROVED BY:	
DATE	



ENVIROGEN

COST EFFECTIVE LEADERSHIP FOR A CLEANER ENVIRONMENT

850 Hwy 153 Suite F
Mosinee, Wisconsin 54455

SCALE

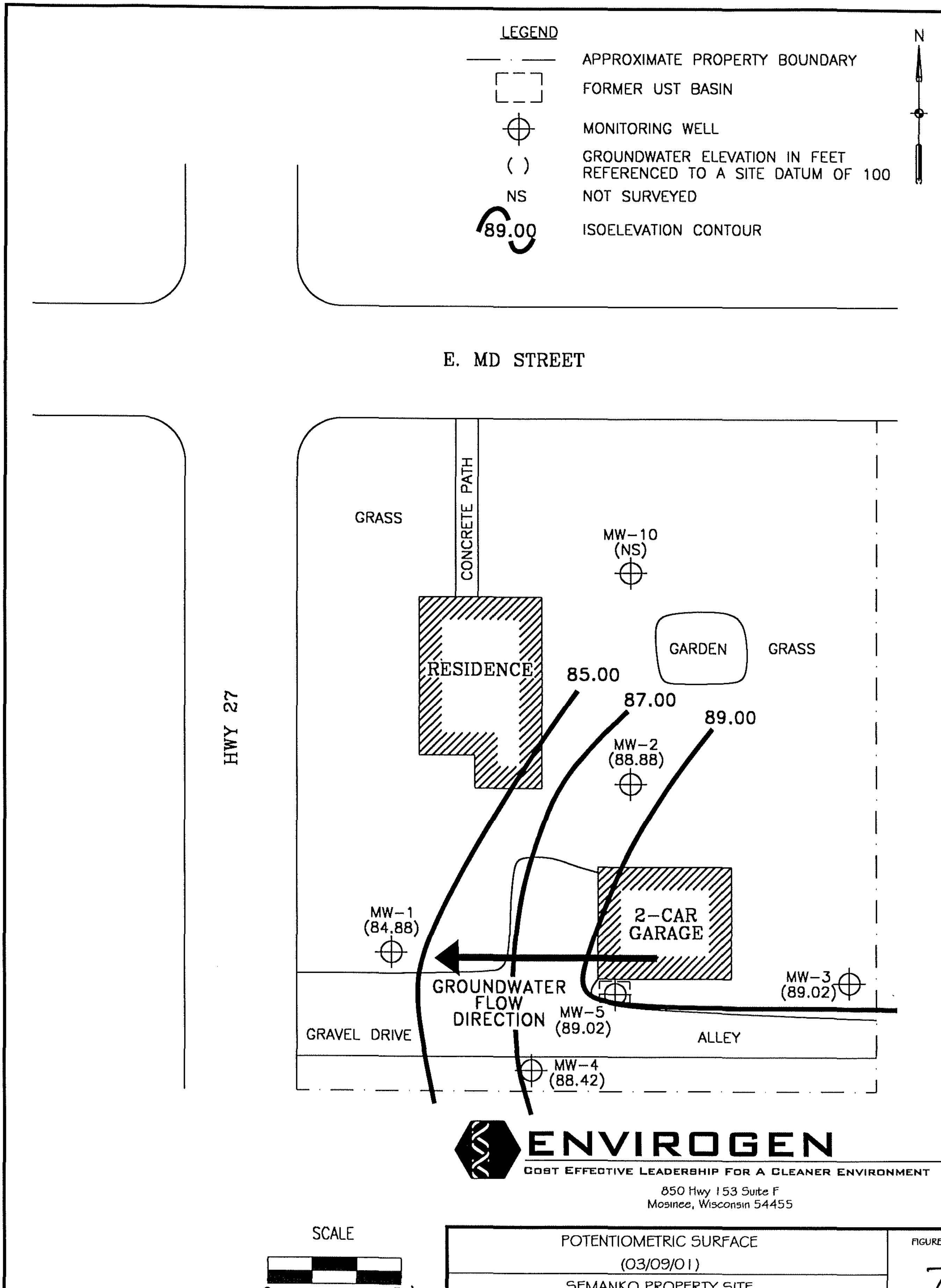
0 30'

GROUNDWATER BENZENE DISTRIBUTION
(03/09/01)

SEMANKO PROPERTY SITE
CADOTT, WISCONSIN

FIGURE NO.
6

DRAWING NO.	98.273L6
DRAWN BY:	KFT
CHECKED BY:	05/08/01
APPROVED BY:	
REVISIONS:	
ENGINEER	DATE
ENGINEER	DATE



ENVIROGEN
COST EFFECTIVE LEADERSHIP FOR A CLEANER ENVIRONMENT
850 Hwy 153 Suite F
Mosinee, Wisconsin 54455

POTENTIOMETRIC SURFACE (03/09/01)	FIGURE NO.
SEMANKO PROPERTY SITE CADOTT, WISCONSIN	7

DRAWING NO. 98.273L7 | DRAWN BY: KFT 05/09/01 | CHECKED BY: [signature] 5/9/01 | APPROVED BY: [signature] | REVISIONS: | ENGINEER | DATE | ENGINEER | DATE

ENVIROGEN

Attachment C

Tables

ENVIROGEN

LIST OF TABLES

Table 1

Soil Sample Laboratory Analytical Results
Semanko Property Site
Cadott, Wisconsin
July 6, 2000

Boring Location	Sample Interval (feet bls)	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	GRO (ppm)
GP-1	2-4	<25	<25	<25	<25	<25	<25	<25	<5.63
	6-8	**286**	**5,630**	**15,200**	**67,800**	**30,300**	**11,100**	**<100**	**770**
	13-15	<25	<25	<25	<25	<25	<25	<25	<5.62
GP-2	4-6	<25	<25	<25	<25	<25	<25	<25	<5.23
	10-12	**3,240**	**6,530**	**3,940**	**38,900**	**42,800**	**32,300**	**<2,500**	**1,680**
GP-3	6-8	<25	<25	<25	<25	<25	<25	<25	<5.56
	14-16	<25	<25	<25	<25	<25	<25	<25	<5.49
GP-4	4-6	<25	<25	<25	<25	<25	**338**	<25	<5.66
	10-12	<25	<25	<25	<25	<25	<25	<25	<5.67
GP-5	18-20	<25	<25	<25	<25	<25	<25	<25	<5.98
GP-6	8.5-10.5	<25	<25	<25	<25	<25	<25	<25	<5.64
NR 720 Generic Soil Standard		5.5	2,900	5,100	4,100	NS	NS	NS	100

Notes:

All results are reported in ppb unless noted otherwise

Shading indicates value equals or exceeds the NR 720 generic soil standard

bls: Below land surface
TMB: Trimethylbenzene
MTBE: Methyl t-butyl ether
GRO: Gasoline range organics
NS: No standard

Checked by: RCC
Approved by: VLL

Table 2

Groundwater Sample Laboratory Analytical Results
Semanko Property Site
Cadott, Wisconsin

Sample Location	Sample Date	Parameter							
		Benzene	Ethylbenzene	Toluene	Xylenes	TMBs	MTBE	Naphthalene	GRO
MW-1	7/6/00*	<0.50	<5.0	<5.0	<5.0	<10.0	<0.50	<8.0	<50
	8/29/00	<0.50	<5.0	<5.0	<5.0	<10.0	<0.50	<8.0	<50
	12/8/00	<0.50	<5.0	<5.0	<5.0	<10.0	<0.50	<8.0	<50
	3/9/01	<0.39	**1.5**	**2.4**	**12**	**11.1**	<0.47	**1.5**	<100
MW-2	7/6/00*	**661**	**79**	**1,020**	**400**	**63.7**	<0.50	**19.8**	**660**
	8/29/00	**161**	**9.83**	**77.8**	**73.6**	**14.0**	**3.55**	<8.0	**530**
	12/8/00	**162**	**28.7**	**228**	**173**	**33.9**	<0.50	**11.2**	**882**
	3/9/01	**17**	**2.0**	**30**	**24**	**3.8**	<0.47	<0.53	<100
MW-3	7/6/00*	<0.50	<5.0	<5.0	<5.0	<10.0	<0.50	<8.0	<50
	8/29/00	<0.50	<5.0	<5.0	<5.0	<10.0	<0.50	<8.0	<50
	12/8/00	<0.50	<5.0	<5.0	<5.0	<10.0	<0.50	<8.0	<50
	3/9/01	<0.39	<0.40	<0.37	<1.4	<1.03	<0.47	<0.53	<100
NR 140 ES		5.0	700	1,000	10,000	480	60	40	NS
NR 140 PAL		0.5	140	200	1,000	96	12	8.0	NS

(Continued)

Notes:

All results are reported in ppb.

Shading indicates value equals or exceeds the NR 140 enforcement standard

Cross hatching indicates value equals or exceeds the NR 140 preventive action limit

*: The first round of groundwater samples was taken from the Geoprobe point adjacent to each monitoring well

TMBs: Trimethylbenzenes GRO: Gasoline range organics NS: No standard

MTBE: Methyl t-butyl ether PAL: Preventive action limit ES: Enforcement standard

Checked by: RCe Approved by: VA

Table 2 (Continued)

Groundwater Sample Laboratory Analytical Results
Semanko Property Site
Cadott, Wisconsin

Sample Location	Sample Date	Parameter							
		Benzene	Ethylbenzene	Toluene	Xylenes	TMBs	MTBE	Naphthalene	GRO
MW-4	7/6/00*	**7.02**	<5.0	<5.0	<5.0	<10.0	<0.50	<8.0	<50
	8/29/00	**8.64**	**9.57**	<5.0	**32.2**	**26.9**	**2.6**	**14.0**	**342**
	12/8/00	**13.8**	<5.0	<5.0	<5.0	<10.0	**2.01**	**27.4**	**994**
	3/9/01	**6.5**	**4.4**	**2.3**	<1.4	<1.03	<0.47	<0.53	**420**
MW-5	7/6/00*	**5,820**	**4,960**	**47,900**	**31,200**	**61,000**	<5.0	**24,800**	**86,800**
	8/29/00	**2,840**	**3,060**	**28,100**	**17,800**	**6,740**	**231**	**1,120**	**82,200**
	12/8/00	**2,790**	**3,100**	**26,300**	**17,900**	**2,960**	**213**	**<2000**	**61,400**
	3/9/01	**1,500**	**1,700**	**16,000**	**10,000**	**2,500**	**<47**	**340**	**43,000**
MW-10	7/6/00	NA	NA	NA	NA	NA	NA	NA	NA
	8/29/00	NA	NA	NA	NA	NA	NA	NA	NA
	12/8/00	**59.2**	<5.0	<5.0	**22.1**	<10.0	<0.50	**16.8**	**398**
	3/9/01	**3.4**	<0.40	<0.37	<1.4	<1.03	<0.47	<0.53	<100
NR 140 ES		5.0	700	1,000	10,000	480	60	40	NS
NR 140 PAL		0.5	140	200	1,000	96	12	8.0	NS

Notes:

All results are reported in ppb.

Shading indicates value equals or exceeds the NR 140 enforcement standard

Cross hatching indicates value equals or exceeds the NR 140 preventive action limit

*: The first round of groundwater samples was taken from the Geoprobe point adjacent to each monitoring well

TMBs: Trimethylbenzenes GRO: Gasoline range organics NS: No standard

MTBE: Methyl t-butyl ether PAL: Preventive action limit ES: Enforcement standard

NA: Not analyzed

Checked by: RCL

Approved by: VA

Table 3

Natural Attenuation Groundwater Geochemical Results
Semanko Property Site
Cadott, Wisconsin

Sample Location	Sample Date	Parameter					
		DO	Alkalinity	Nitrite/Nitrate	Sulfate	Dissolved Iron	Dissolved Manganese
MW-1	8/29/00	5.21	168	2.28	NA	<0.10	0.47
	12/8/00	4.96	192	2.28	35.4	<0.10	0.38
	3/9/01	5.79	170	2.70	20	<0.14	0.30
MW-3	8/29/00	3.77	72	1.85	NA	1.14	0.32
	12/8/00	5.50	44	2.67	35.4	<0.10	<0.05
	3/9/01	8.92	<1.5	2.80	180	0.36	0.03
MW-5	8/29/00	2.20	148	0.05	NA	2.48	2.91
	12/8/00	0.23	98	<0.05	165	5.42	3.15
	3/9/01	1.57	64	0.22	7.1	10	3.66

Notes:

All results are reported in ppm
DO: Dissolved oxygen NA: Not analyzed

Checked by: RCC
Approved by: VIC

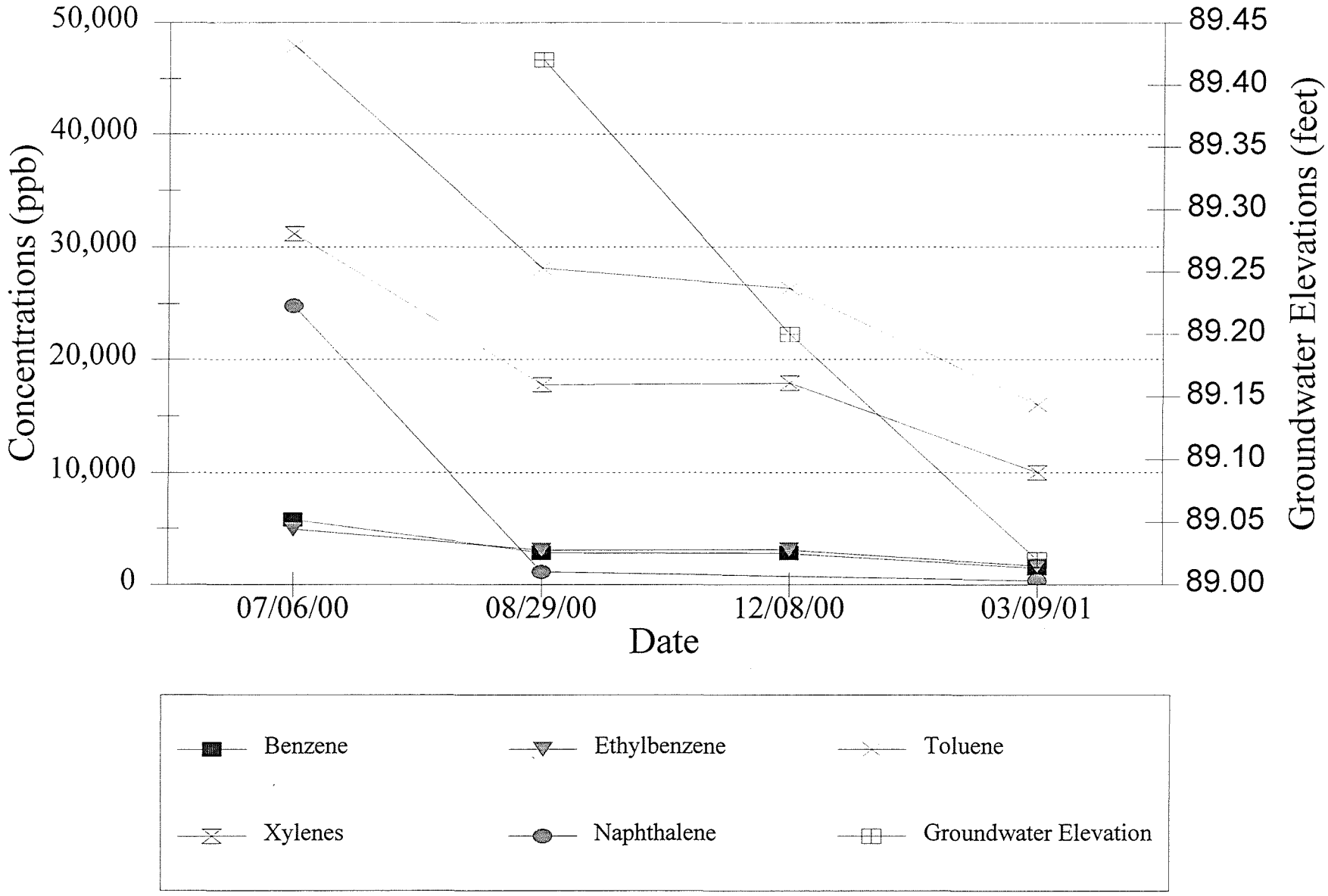
ENVIROGEN

Attachment D

Graphs

Graph 1

Groundwater Analytical Data - MW-5
Semanko Property Site
Cadott, Wisconsin



ENVIROGEN

Attachment E

WDNR Soil Boring Logs
WDNR Borehole Abandonment Forms
WDNR Monitoring Well Construction Forms
WDNR Monitoring Well Development Forms

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ■ Other ☐ _____

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Semanko Property	_ _ _ _ _ _ _	GP-1

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: ROWE Last Name: Firm: SGS	07/06/2000 (m m d d y y y y)	07/06/2000 (m m d d y y y y)	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _	_ _ _ _	GP-1	8.56 Feet MSL	NA Feet MSL	2.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E S/C/N
NW 1/4 of NW 1/4 of Section 5, T 28 N, R 6 E (W)
Lat ° ' "
Long ° ' "
Local Grid Location: NA Feet ☐ N ☐ S NA Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Chippewa	09	Cadott

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			1	Organic - Topsoil										
S-1	48/36	–	2	Clayey F-M sand fill w/some gravel. Moist	SP-SC			<10						
			3											
			4											
			5	M-C Sand, Tan w/drk brn layers, 1-2 mm Moist										
S-2	48/48	–	6											
			7					>2000						
			8	Light Brn F-M Sand, Very Moist,	SW									
			9					>2000						
S-3	48/48	–	10	Brn/Gray F-C sand, Saturated,										
			11					>2000						
			12											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Shawn Rowe Firm: Envirogen, Inc.

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

GP-1

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
S-4	48/36	-	13	SAA.	SW			>2000						
			14											
			15	EOB = 15' - Refusal Hardpan										
			16											

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ■ Other ☐ _____

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Semanko Property	_ _ _ _ _ _ _	GP-2

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: ROWE Last Name: Firm: SGS	07/06/2000 (m m d d y y y y)	07/06/2000 (m m d d y y y y)	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _	_ _ _	GP-2	_____ Feet MSL	_____ Feet MSL	2.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E S/C/N
NW 1/4 of NW 1/4 of Section 5, T 28 N, R 6 E/W
Lat ° ' "
Long ° ' "
Local Grid Location N/A Feet ☐ N ☐ S N/A Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Chippewa	09	Cadott

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
S-1	48/42		1	Sandy Organic, Silt loam, Drk Brn, Moist	OH			<10						
			2											
			3					<10						
			4	F-M Brn sand w/some silt Moist	SM									
			5					10.7						
S-2	48/48		6											
			7					10.5						
			8	M-C Yellow Sand, Moist	SW									
			9					11.8						
S-3	48/48		10											
			11					>2000						
			12											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
Shawn A. Wensel	Envirogen, Inc.

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GP-2

Sample										Soil Properties					
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			13	EOB = 12' Refusal Hardpan										

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ■ Other ☐ _____

Page 1 of 2

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Semanko Property	_ _ _ _ _ _ _	GP-3

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: ROWE Last Name: Firm: SGS	07/06/2000 (m m d d y y y y)	07/06/2000 (m m d d y y y y)	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _	_ _ _	GP-3	4.52 Feet MSL	_____ Feet MSL	2.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E S/C/N
NW 1/4 of NW 1/4 of Section 5, T 26 N, R 6 E/W

Lat ° ' "
Long ° ' "

Local Grid Location
N/A Feet ☐ N ☐ S N/A Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Chippewa	09	Cadott

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	48/42		1	Topsoil	OH			<10						
S-1			2											
			3	F-M Brn Sand w/Some Coarse gravel + Silt Moist	SP			<10						
			4											
	48/48		5					<10						
-2			6											
			7	Brn Sandy Clay w/Some rock and gravel	CL			<10						
			8											
	48/48		9					<10						
-3			10											
			11					<10						
			12											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Shawn A Wenzel Firm Envirogen, Inc.

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GP-3

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
S-4	48/48		13	Brn, F-M sand, Saturated	SW			<10						
			14											
			15	Red/Brn F-M sand, V. moist				<10						
			16	EOB = 16'										
				Below water table										

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ■ Other ☐ _____

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Semanko Property		GP-4

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: ROWE Last Name: Firm: SGS	07/06/2000	07/06/2000	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_____	_____	GP-4	_____ Feet MSL	N/A Feet MSL	2.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E S/C/N
NW 1/4 of NW 1/4 of Section 5, T 24 N, R 6 E/W

Lat ° ' "
Long ° ' "

Local Grid Location
N/A Feet ☐ N ☐ S N/A Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Chippewa	09	Cadott

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	48/36		1	Gravel Fill, little moisture	GP			<10						
S-1			2	F-M Sand, mostly med. Brn, moist	SW			<10						
			3											
			4											
	48/48		5	Very gravelly Brn Sand w/some rock, moist	SP			<10						
S-2			6											
			7					<10						
			8	F-M Sand, golden brn, saturated										
	48/48		9		SW			12.7						
S-3			10											
			11	F-M sand, gray, saturated, strange organic/mucky odor				402						
			12											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Shawn A Wenzel Firm Envirogen, Inc.

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GP-11

Sample										Soil Properties					
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			13	EOB = 12' Below water table										

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ■ Other ☐ _____

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Semanko Property	_ _ _ _ _ _ _	GP-5

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: ROWE Last Name: Firm: SGS	07/06/2000 (m m d d y y y y)	07/06/2000 (m m d d y y y y)	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _	_ _ _ _	GP-5	9.52 Feet MSL	_____ Feet MSL	2.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E S/C/N
NW 1/4 of NW 1/4 of Section 5, T 28 N, R 6 E/W
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E N/A Feet ☐ S N/A Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Chippewa	09	Cadott

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			1	Topsoil	OH			<10						
S-1	48/48		2	Drk Brn Clayey Sand, Moist										
			3					<10						
			4	F-M Tan/Brn Clayey Sand, Moist										
			5	F-M Tan Sandy Clay w/some rocks moist				<10						
S-2	48/48		6	F-M Clayey sand w/some C/gravel and small rocks, Moist	SC									
			7					<10						
			8											
			9					<10						
S-3	48/48		10	Brn Sandy Clay w/some M-C gravel moist										
			11					<10						
			12											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm Envirogen, Inc.

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GP-5

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
S-4	48/48		13 14 15 16	Brn gravelly clay w/some sand and rocks, moist	SC			<10 <10						
S-5	48/48		17 18 19 20					<10 <10						
				EOB = 20' Below water table										

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ■ Other ☐ _____

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Semanko Property	_____	GP-6

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: ROWE Last Name: Firm: SGS	07/06/2000 (m m d d y y y y)	07/06/2000 (m m d d y y y y)	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_____	_____	GP-6	10.93 Feet MSL	_____ Feet MSL	2.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E S/C/N
NW 1/4 of NW 1/4 of Section 5, T 28 N, R 6 E/W

Lat ° ' "
Long ° ' "

Local Grid Location: N/A Feet ☐ N ☐ S N/A Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Chippewa	09	Cadott

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
S-1	48/12		1	Topsoil	OH			<10						
			2	Brn Clayey Sand, Saturated										
			3					<10						
			4											
S-2	48/48		5		SC			<10						
			6											
			7					<10						
			8	F-M Tan sand, moist										
S-3	48/36		9	F-C Sand, Saturated Sandstone chips in tip of spoon.	SW			<10						
			10											
			11	EOB = 10.6' Refusal Hardpan										
			12											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm Envirogen, Inc.

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☒ Other ☐ _____

Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Semanko Property	_ _ _ _ _ _ _	MW-1

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Last Name: Firm: MES (Joe/Shawn)	06/22/2020 (m m d d y y y y)	06/22/2020 (m m d d y y y y)	HSA

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
IX-894	_ _ _ _	MW-1	9.52 Feet MSL	N/A Feet MSL	6 1/4 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E S/C/N
NW 1/4 of NW 1/4 of Section 5, T 36 N, R 6 E/W

Lat ° ' "
Long ° ' "

Local Grid Location
N/A Feet ☐ N ☐ S N/A Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Chippewa	09	Cadott

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			2	Blind drilled. See GP-5 boring log for soil description	SM									
			4											
			6											
			8											
			10		SC									
			12											
			14	End of boring 15'										
			16											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
Rebecca Cook	Envirogen, Inc.

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☒ Other ☐ _____

Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Semanko Property	_____	MW-2

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Last Name: Firm: MES (Joe/Shawn)	08/22/2000	08/22/2000	HSA

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
IX-895	___		793 Feet MSL	N/A Feet MSL	8 1/4 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E S/C/N
NW 1/4 of NW 1/4 of Section 5, T 28 N, R 6 E/W

Lat ° ' "
Long ° ' "

Local Grid Location ☐ N ☐ E
N/A Feet ☐ S N/A Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Chippewa	09	Cadott

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			2	Blind drilled. See GP-4 boring log For soil description	GP									
			4		SW									
			6		SP									
			8											
			10		SW									
			12											
			14	End of boring 15'										
			16											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
Rebecca Cook	Envirogen

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☒ Other ☐ _____

Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Semanko Property	_____	MW-3

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Last Name: Firm: MES (Joe/Shawn)	08/22/2000	08/22/2000	HSA

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
IX-896	___	MW-3	1093 Feet MSL	N/A Feet MSL	8 1/4 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E S/C/N
NW 1/4 of NW 1/4 of Section 5, T 28 N, R 6 E (W)
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E
N/A Feet ☐ S N/A Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Chippewa	09	Cadott

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			2	Blind drilled. See GP-6 boring log for soil description.	OH									
			4											
			6		SC									
			8											
			10		SW									
			12											
			14	End of boring 15'										
			16											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
Rebecca Cook	Enviroscan

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☒ Other ☐ _____

Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Semanko Property	_ _ _ _ _ _ _	MW-4

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Last Name: (Joe/Shawn) Firm: MES	04/22/2000 (m m d d y y y y)	04/22/2000 (m m d d y y y y)	HSA

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
JX-197	_ _ _	MW-4	8.52 Feet MSL	_____ Feet MSL	8 1/4 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E S/C/N
NW 1/4 of NW 1/4 of Section 5, T 29 N, R 6 E (W)

Lat ° ' "
Long ° ' "

Local Grid Location
N/A Feet ☐ N ☐ S N/A Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Chippewa	09	Cadott

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			2	Blind drilled. See GP-5 boring log for soil description	OH									
			4											
			6											
			8		SC									
			10											
			12											
			14	End of boring 15'										
			16											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
Rebecca Cook	Enviroscan

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☒ Other ☐ _____

Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Semanko Property	_ _ _ _ _ _ _	MW-5

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Last Name: (Joe/Shawn) Firm: MES	08/22/2000	08/22/2000	HSA

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
IX-5978	_ _ _	MW-5	8.81 Feet MSL	N/A Feet MSL	8 1/4 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E S/C/N
NW 1/4 of NW 1/4 of Section 5, T 28 N, R 10 E/W
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E
N/A Feet ☐ S N/A Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Chippewa	09	Cadott

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			2	Blind drilled. See GP-1 boring log for soil description.	SP-SM									
			4											
			6											
			8											
			10		SW									
			12											
			14	End of boring 15'										
			16											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
Rebecca Cook	Envirogen

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☒ Other ☐ _____

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Semanko Property		MW-10

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Brad/Wayne Last Name: Firm: Maxim	11/07/2000	11/07/2000	HSA

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		MW-10	____ Feet MSL	____ Feet MSL	8 1/4 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E S/C/N
NW 1/4 of NW 1/4 of Section 5, T 28 N, R 6 E/W

Lat ° ' "
Long ° ' "

Local Grid Location
NA Feet ☐ N ☐ S NA Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Chippewa	09	Cadott

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
NS			2, 4, 6, 8, 10, 12, 14, 16	Blind Drill EOB = 15'				NA						

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Rebecca Cook Firm Envirogen

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State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B
Rev. 12-91

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location: GP-1

County: Chippewa

NW 1/4 of NW 1/4 of Sec. 5 ; T. 28 N; R. 6 ☐ E ■ W

(If applicable) _____ Gov't Lot _____ Grid Number

Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Civil Town Name: Goetz

Street Address of Well: 407 East MD Street

City, Village: Cadott

(2) FACILITY NAME

Original Well Owner (If Known): Mrs. Violetta Semanko

Present Well Owner: SAME

Street or Route: 407 East MD Street

City, State, Zip Code: Cadott, WI 54727

Facility Well No. and/or Name (If Applicable)

WI Unique Well No.

Reason For Abandonment: Geoprobe Point

Date of Abandonment: 7-6-00

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 7/6/00

☐ Monitoring Well
☐ Water Well
☐ Drillhole
■ Borehole

Construction Report Available? ☐ Yes ■ No

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (Specify) Geoprobe

Formation Type:
■ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) _____ Casing Diameter (ins.) _____
(From groundsurface)

Casing Depth (ft.) _____

Was Well Annular Space Grouted? ☐ Yes ■ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) ~10'

Pump & Piping Removed?	☐ Yes	☐ No	■ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	■ Not Applicable
Screen Removed?	☐ Yes	☐ No	■ Not Applicable
Casing Left in Place?	☐ Yes	☐ No	

If No, Explain: Temporary well only

Was Casing Cut Off Below Surface?	☐ Yes	☐ No
Did Sealing Material Rise to Surface?	■ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	■ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of Placing Sealing Material
■ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☐ Other (Explain)

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☐ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
■ Granular Bentonite
☐ Bentonite - Cement Grout

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks, Sealant or Volume (Circle One)	Mix Ratio or Mud Weight
Granular bentonite	Surface	15	1/2	-

(8) Comments:

(9) Name of Person or Firm Doing Sealing Work: Envirogen, Inc

Signature of Person Doing Work: Shawn Wenzel
Date Signed: 7-10-00

Street or Route: 850 Hwy 153, Suite F
Telephone Number: (715) 693-1250

City, State, Zip Code: Mosinee, WI 54455

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B
Rev. 12-91

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location: GP-2

County: Chippewa

NW 1/4 of NW 1/4 of Sec. 5 ; T. 28 N; R. 6 ☐ E ■ W

(If applicable) _____ Gov't Lot _____ Grid Number

Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Civil Town Name: Goetz

Street Address of Well: 407 East MD Street

City, Village: Cadott

(2) FACILITY NAME

Original Well Owner (If Known): Mrs. Violetta Semanko

Present Well Owner: SAME

Street or Route: 407 East MD Street

City, State, Zip Code: Cadott, WI 54727

Facility Well No. and/or Name (If Applicable) | WI Unique Well No.: _____

Reason For Abandonment: Geoprobe Point

Date of Abandonment: 7-6-00

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 7/6/00

☐ Monitoring Well
☐ Water Well
☐ Drillhole
■ Borehole

Construction Report Available? ☐ Yes ■ No

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (Specify) Geoprobe

Formation Type:
■ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) _____ Casing Diameter (ins.) _____
(From groundsurface)

Casing Depth (ft.) _____

Was Well Annular Space Grouted? ☐ Yes ■ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) ~10'

Pump & Piping Removed?	☐ Yes	☐ No	■ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	■ Not Applicable
Screen Removed?	☐ Yes	☐ No	■ Not Applicable
Casing Left in Place?	☐ Yes	☐ No	

If No, Explain: Temporary well only

Was Casing Cut Off Below Surface?	☐ Yes	☐ No
Did Sealing Material Rise to Surface?	■ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	■ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of Placing Sealing Material
■ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☐ Other (Explain)

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☐ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
■ Granular Bentonite
☐ Bentonite - Cement Grout

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume (Circle One)	Mix Ratio or Mud Weight
Granular bentonite	Surface	12	1/2	-

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work
Envirogen, Inc

Signature of Person Doing Work	Date Signed
Shawn Wenzel	7-10-00
Street or Route: 850 Hwy 153, Suite F	Telephone Number: (715) 693-1250
City, State, Zip Code: Mosinee, WI 54455	

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B
Rev. 12-91

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location: GP-3

County: Chippewa

NW 1/4 of NW 1/4 of Sec. 5 ; T. 28 N; R. 6 ☐ E ■ W

(If applicable) _____ Gov't Lot _____ Grid Number

Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Civil Town Name: Goetz

Street Address of Well: 407 East MD Street

City, Village: Cadott

(2) FACILITY NAME

Original Well Owner (If Known): Mrs. Violetta Semanko

Present Well Owner: SAME

Street or Route: 407 East MD Street

City, State, Zip Code: Cadott, WI 54727

Facility Well No. and/or Name (If Applicable) | WI Unique Well No.: _____

Reason For Abandonment: Geoprobe point

Date of Abandonment: 7-6-00

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 7/6/00

☐ Monitoring Well
☐ Water Well
☐ Drillhole
■ Borehole

Construction Report Available? ☐ Yes ■ No

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (Specify) Geoprobe

Formation Type:
■ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) _____ Casing Diameter (ins.) _____
(From groundsurface)

Casing Depth (ft.) _____

Was Well Annular Space Grouted? ☐ Yes ■ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) ~10'

Pump & Piping Removed?	☐ Yes	☐ No	■ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	■ Not Applicable
Screen Removed?	☐ Yes	☐ No	■ Not Applicable
Casing Left in Place?	☐ Yes	☐ No	

If No, Explain: Temporary well only

Was Casing Cut Off Below Surface?	☐ Yes	☐ No
Did Sealing Material Rise to Surface?	■ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	■ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of Placing Sealing Material
■ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☐ Other (Explain)

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☐ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
■ Granular Bentonite
☐ Bentonite - Cement Grout

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks, Sealant or Volume (Circle One)	Mix Ratio or Mud Weight
Granular bentonite	Surface	16	1/2	—

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work: Envirogen, Inc

Signature of Person Doing Work: Sharon Wenzl | Date Signed: 7-10-00

Street or Route: 850 Hwy 53, Suite E | Telephone Number: (715) 693-1250

City, State, Zip Code: Mosinee, WI 54455

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B
Rev. 12-91

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location: GP-4

County: Chippewa

NW 1/4 of NW 1/4 of Sec. 5 ; T. 28 N; R. 6 ☐ E ■ W

(If applicable) _____ Gov't Lot _____ Grid Number

Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Civil Town Name: Goetz

Street Address of Well: 407 East MD Street

City, Village: Cadott

(2) FACILITY NAME

Original Well Owner (If Known): Mrs. Violetta Semanko

Present Well Owner: SAME

Street or Route: 407 East MD Street

City, State, Zip Code: Cadott, WI 54727

Facility Well No. and/or Name (If Applicable) | WI Unique Well No.: _____

Reason For Abandonment: Geoprobe point

Date of Abandonment: 7-6-00

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 7/6/00

☐ Monitoring Well
☐ Water Well
☐ Drillhole
■ Borehole

Construction Report Available? ☐ Yes ■ No

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (Specify) Geoprobe

Formation Type:
■ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) _____ Casing Diameter (ins.) _____
(From groundsurface)

Casing Depth (ft.) _____

Was Well Annular Space Grouted? ☐ Yes ■ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) ~10'

Pump & Piping Removed?	☐ Yes	☐ No	■ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	■ Not Applicable
Screen Removed?	☐ Yes	☐ No	■ Not Applicable
Casing Left in Place?	☐ Yes	☐ No	

If No, Explain: Temporary well only

Was Casing Cut Off Below Surface?	☐ Yes	☐ No
Did Sealing Material Rise to Surface?	■ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	■ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of Placing Sealing Material
■ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☐ Other (Explain)

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☐ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
■ Granular Bentonite
☐ Bentonite - Cement Grout

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks, Sealant or Volume (Circle One)	Mix Ratio or Mud Weight
Granular bentonite	Surface	12	1/2	—

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work: Envirogen, Inc

Signature of Person Doing Work: Shawn Wenzl | Date Signed: 7-10-00

Street or Route: 850 Hwy 153, Suite F | Telephone Number: (715) 693-1250

City, State, Zip Code: Mosinee, WI 54455

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B
Rev. 12-91

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location: GP-5

County: Chippewa

NW 1/4 of NW 1/4 of Sec. 5 ; T. 28 N; R. 6 ☐ E ■ W

(If applicable) _____ Gov't Lot _____ Grid Number

Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Civil Town Name: Goetz

Street Address of Well: 407 East MD Street

City, Village: Cadott

(2) FACILITY NAME

Original Well Owner (If Known): Mrs. Violetta Semanko

Present Well Owner: SAME

Street or Route: 407 East MD Street

City, State, Zip Code: Cadott, WI 54727

Facility Well No. and/or Name (If Applicable)

WI Unique Well No. _____

Reason For Abandonment: Geoprobe point

Date of Abandonment: 7-6-00

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 7/6/00

☐ Monitoring Well
☐ Water Well
☐ Drillhole
■ Borehole

Construction Report Available? ☐ Yes ■ No

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (Specify) Geoprobe

Formation Type:
■ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) _____ Casing Diameter (ins.) _____
(From groundsurface)

Casing Depth (ft.) _____

Was Well Annular Space Grouted? ☐ Yes ■ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) ~10'

Pump & Piping Removed?	☐ Yes	☐ No	■ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	■ Not Applicable
Screen Removed?	☐ Yes	☐ No	■ Not Applicable
Casing Left in Place?	☐ Yes	☐ No	

If No, Explain: Temporary well only

Was Casing Cut Off Below Surface?	☐ Yes	☐ No
Did Sealing Material Rise to Surface?	■ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	■ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of Placing Sealing Material
■ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☐ Other (Explain)

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☐ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
■ Granular Bentonite
☐ Bentonite - Cement Grout

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks, Sealant or Volume (Circle One)	Mix Ratio or Mud Weight
Granular bentonite	Surface	20	3/4	—

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work
Envirogen, Inc

Signature of Person Doing Work: Shawn Wenz
Date Signed: 7-10-00

Street or Route: 850 Hwy 153, Suite F
Telephone Number: (715) 693-1250

City, State, Zip Code: Mosinee, WI 54455

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT
Form 3300-5B Rev. 12-91

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location: GP-6
County: Chippewa

NW 1/4 of NW 1/4 of Sec. 5 ; T. 28 N; R. 6 ☐ E ☒ W
(If applicable)
Gov't Lot ______ Grid Number ______
Grid Location
______ ft. ☐ N. ☐ S., ______ ft. ☐ E. ☐ W.
Civil Town Name: Goetz
Street Address of Well: 407 East MD Street
City, Village: Cadott

(2) FACILITY NAME

Original Well Owner (If Known): Mrs. Violetta Semanko
Present Well Owner: SAME
Street or Route: 407 East MD Street
City, State, Zip Code: Cadott, WI 54727
Facility Well No. and/or Name (If Applicable):
WI Unique Well No.: ------
Reason For Abandonment: Geoprobe point
Date of Abandonment: 7-6-00

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On
(Date) 7/6/00

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☒ Borehole

Construction Report Available? ☐ Yes ☒ No

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (Specify) Geoprobe

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) ______ Casing Diameter (ins.) ______
(From groundsurface)

Casing Depth (ft.) ______

Was Well Annular Space Grouted? ☐ Yes ☒ No ☐ Unknown
If Yes, To What Depth? – Feet

(4) Depth to Water (Feet) ~10'

Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable
Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable
Screen Removed? ☐ Yes ☐ No ☒ Not Applicable
Casing Left in Place? ☐ Yes ☐ No
If No, Explain: Temporary well only

Was Casing Cut Off Below Surface? ☐ Yes ☐ No
Did Sealing Material Rise to Surface? ☒ Yes ☐ No
Did Material Settle After 24 Hours? ☐ Yes ☒ No
If Yes, Was Hole Retopped? ☐ Yes ☐ No

(5) Required Method of Placing Sealing Material
☒ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☐ Other (Explain)

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☐ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☒ Granular Bentonite
☐ Bentonite - Cement Grout

(7)

Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, (Sacks Sealant) or Volume (Circle One)	Mix Ratio or Mud Weight
Granular bentonite	Surface	10.5	1/3	—

(8) Comments:

(9) Name of Person or Firm Doing Sealing Work
Envirogen, Inc
Signature of Person Doing Work: Shawn Alexand
Date Signed: 7-10-00
Street or Route: 850 Hwy 153, Suite F
Telephone Number: (715) 693-1250
City, State, Zip Code: Mosinee, WI 54455

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ■ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: Semanko Property	Local Grid Location of Well: NA ft. ☐N. ☐S. NA ft. ☐E. ☐W.	Well Name: MW-1
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ___ ° ___ ' ___ " Long. ___ ° ___ ' ___ " or	Wis. Unique Well No.: JX-894 / DNR Well ID No.: ___
Facility ID: ___	St. Plane ___ ft. N, ___ ft. E. S/C/N	Date Well Installed: 08/22/2000 (m m d d y y y y)
Type of Well / Well Code ___/___	Section Location of Waste/Source: NW 1/4 of NW 1/4 of Sec. 5 T. 28 N, R. 6 ☐E. ☒W.	Well Installed By: Name (first, last) and Firm: Joe Black - Envirogen
Distance from Waste/Source ___ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number: ___

A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation 96.66 ft. MSL
C. Land surface elevation _____ ft. MSL
D. Surface seal, bottom _____ ft. MSL or 1.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ■ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ■ No

14. Drilling method used: Rotary ☐ 50 / Hollow Stem Auger ■ 41 / Other ☐ ___

15. Drilling fluid used: Water ☐ 02 / Air ☐ 01 / Drilling Mud ☐ 03 / None ■ 99

16. Drilling additives used? ☐ Yes ■ No
Describe ___

17. Source of water (attach analysis, if required):
___

E. Bentonite seal, top _____ ft. MSL or 1.0 ft.
F. Fine sand, top _____ ft. MSL or 3.0 ft.
G. Filter pack, top _____ ft. MSL or 4.0 ft.
H. Screen joint, top _____ ft. MSL or 5.0 ft.
I. Well bottom _____ ft. MSL or 15.0 ft.
J. Filter pack, bottom _____ ft. MSL or 15.0 ft.
K. Borehole, bottom _____ ft. MSL or 15.0 ft.
L. Borehole, diameter 8.1/4 in.
M. O.D. well casing 2.37 in.
N. I.D. well casing 2.07 in.

1. Cap and lock? ■ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8.1/4 in.
b. Length: 1.0 ft.
c. Material: Steel ■ 04 / Other ☐ ___
d. Additional protection? ☐ Yes ☐ No
If yes, describe: ___
3. Surface seal: Bentonite ☐ 30 / Concrete ■ 01 / Other ☐ ___
4. Material between well casing and protective pipe: open
Bentonite ☐ 30 / Other ■ ___
5. Annular space seal: a. Granular/Chipped Bentonite ☐ 33
b. ___ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 35
c. ___ Lbs/gal mud weight ..... Bentonite slurry ☐ 31
d. ___ % Bentonite ..... Bentonite-cement grout ☐ 50
e. ___ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 / Tremie pumped ☐ 02 / Gravity ☐ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ■3/8 in. ☐1/2 in. Bentonite chips ☐ 32
c. ___ Other ☐ ___
7. Fine sand material: Manufacturer, product name & mesh size
a. Badger BB #4
b. Volume added 0.466 ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint #30
b. Volume added 2.915 ft^3
9. Well casing: Flush threaded PVC schedule 40 ■ 23 / Flush threaded PVC schedule 80 ☐ 24 / Other ☐ ___
10. Screen material: PVC
a. Screen type: Factory cut ☐ 11 / Continuous slot ■ 01 / Other ☐ ___
b. Manufacturer Johnson
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ■ 14 / Other ☐ ___

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Todd Flak | Firm: Envirogen

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ■ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: Semanko Property	Local Grid Location of Well: N/A ft. ☐N. ☐S. N/A ft. ☐E. ☐W.	Well Name: MW-2
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ___ ° ___ ' ___ " Long. ___ ° ___ ' ___ " or	Wis. Unique Well No.: JX-895 / DNR Well ID No.: ___
Facility ID: ___	St. Plane ___ ft. N, ___ ft. E. S/C/N	Date Well Installed: 08/22/2000 (m m d d y y y y)
Type of Well: Well Code ___/___	Section Location of Waste/Source: NW 1/4 of NW 1/4 of Sec. 5 T. 26 N, R. 6 ☐E ☒W	Well Installed By: Name (first, last) and Firm: Joe Black / Envirogen
Distance from Waste/Source ___ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number: ___

A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation 97.17 ft. MSL
C. Land surface elevation _____ ft. MSL
D. Surface seal, bottom _____ ft. MSL or 1.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ■
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ■ No

14. Drilling method used: Rotary ☐ 50 / Hollow Stem Auger ■ 41 / Other ☐ ___

15. Drilling fluid used: Water ☐ 02 / Air ☐ 01 / Drilling Mud ☐ 03 / None ■ 99

16. Drilling additives used? ☐ Yes ■ No
Describe ___

17. Source of water (attach analysis, if required):
___

E. Bentonite seal, top _____ ft. MSL or 1.0 ft.
F. Fine sand, top _____ ft. MSL or 3.0 ft.
G. Filter pack, top _____ ft. MSL or 4.0 ft.
H. Screen joint, top _____ ft. MSL or 5.0 ft.
I. Well bottom _____ ft. MSL or 15.0 ft.
J. Filter pack, bottom _____ ft. MSL or 15.0 ft.
K. Borehole, bottom _____ ft. MSL or 15.0 ft.
L. Borehole, diameter 8.1/4 in.
M. O.D. well casing 2.37 in.
N. I.D. well casing 2.07 in.

1. Cap and lock? ■ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8.1/4 in.
b. Length: 1.0 ft.
c. Material: Steel ■ 04 / Other ☐ ___
d. Additional protection? ☐ Yes ☐ No
If yes, describe: ___
3. Surface seal: Bentonite ☐ 30 / Concrete ■ 01 / Other ☐ ___
4. Material between well casing and protective pipe: Bentonite ☐ 30 / Other ■ ___
Open
5. Annular space seal: a. Granular/Chipped Bentonite ☐ 33
b. ___ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 35
c. ___ Lbs/gal mud weight ..... Bentonite slurry ☐ 31
d. ___ % Bentonite ..... Bentonite-cement grout ☐ 50
e. ___ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 / Tremie pumped ☐ 02 / Gravity ☐ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ■3/8 in. ☐1/2 in. Bentonite chips ☐ 32
c. ___ Other ☐ ___
7. Fine sand material: Manufacturer, product name & mesh size
a. Badger BB #4
b. Volume added 0.466 ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint #30
b. Volume added 2.915 ft^3
9. Well casing: Flush threaded PVC schedule 40 ■ 23 / Flush threaded PVC schedule 80 ☐ 24 / Other ☐ ___
10. Screen material: PVC
a. Screen type: Factory cut ☐ 11 / Continuous slot ■ 01 / Other ☐ ___
b. Manufacturer Johnson
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ■ 14 / Other ☐ ___

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Todd Flak | Firm: Envirogen

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Semanko Property	Local Grid Location of Well: N/A ft. ☐N. ☐S. N/A ft. ☐E. ☐W.	Well Name: MW-3
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ___ ° ___ ' ___ " Long. ___ ° ___ ' ___ " or	Wis. Unique Well No.: JX-896 / DNR Well ID No.: ____
Facility ID: ____	St. Plane ____ ft. N, ____ ft. E. S/C/N	Date Well Installed: 08/22/2000 (m m d d y y y y)
Type of Well / Well Code ____ / ____	Section Location of Waste/Source: NW 1/4 of NW 1/4 of Sec. 5 T. 28 N, R. 6 ☐E ☒W	Well Installed By: Name (first, last) and Firm: Joe Black / Envirogen
Distance from Waste/Source ____ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number: ____

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation 100.27 ft. MSL

C. Land surface elevation _____ ft. MSL

D. Surface seal, bottom _____ ft. MSL or 1.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☒
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50 / Hollow Stem Auger ☒ 41 / Other ☐ ____

15. Drilling fluid used: Water ☐ 02 / Air ☐ 01 / Drilling Mud ☐ 03 / None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe ____

17. Source of water (attach analysis, if required): ____

E. Bentonite seal, top _____ ft. MSL or 1.0 ft.

F. Fine sand, top _____ ft. MSL or 3.0 ft.

G. Filter pack, top _____ ft. MSL or 4.0 ft.

H. Screen joint, top _____ ft. MSL or 5.0 ft.

I. Well bottom _____ ft. MSL or 15.0 ft.

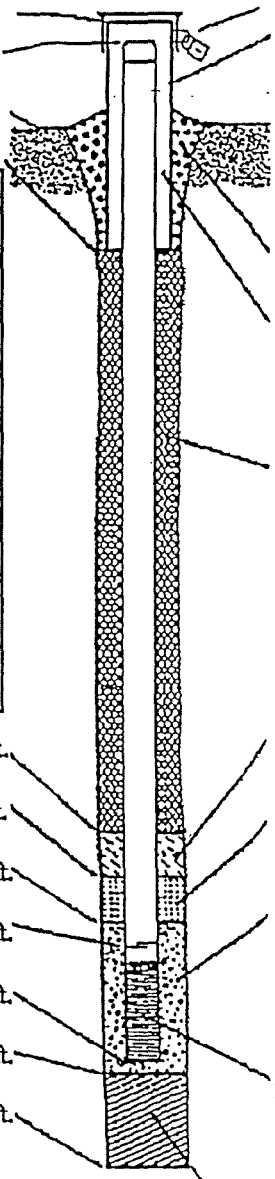
J. Filter pack, bottom _____ ft. MSL or 15.0 ft.

K. Borehole, bottom _____ ft. MSL or 15.0 ft.

L. Borehole, diameter 8.1/4 in.

M. O.D. well casing 2.37 in.

N. I.D. well casing 2.07 in.



1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 8.1/4 in.
b. Length: 1.0 ft.
c. Material: Steel ☒ 04 / Other ☐ ____
d. Additional protection? ☐ Yes ☐ No
If yes, describe: ____

3. Surface seal: Bentonite ☐ 30 / Concrete ☒ 01 / Other ☐ ____

4. Material between well casing and protective pipe: Bentonite ☐ 30 / Other ☒ Open

5. Annular space seal: a. Granular/Chipped Bentonite ☐ 33
b. ____ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 35
c. ____ Lbs/gal mud weight ..... Bentonite slurry ☐ 31
d. ____ % Bentonite ..... Bentonite-cement grout ☐ 50
e. ____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 / Tremie pumped ☐ 02 / Gravity ☐ 08

6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☒3/8 in. ☐1/2 in. Bentonite chips ☐ 32
c. ____ Other ☐ ____

7. Fine sand material: Manufacturer, product name & mesh size
a. Badger BB #4
b. Volume added 0.466 ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint #30
b. Volume added 3.18 ft^3

9. Well casing: Flush threaded PVC schedule 40 ☒ 23 / Flush threaded PVC schedule 80 ☐ 24 / Other ☐ ____

10. Screen material: PVC
a. Screen type: Factory cut ☐ 11 / Continuous slot ☒ 01 / Other ☐ ____
b. Manufacturer Johnson
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.

11. Backfill material (below filter pack): None ☒ 14 / Other ☐ ____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
Todd Flat	Envirogen

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ■ Other ☐ _____

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Semanko Property	Local Grid Location of Well: N/A ft. ☐N. ☐S. N/A ft. ☐E. ☐W.	Well Name: MW-4
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ___ ° ___ ' ___ " Long. ___ ° ___ ' ___ " or	Wis. Unique Well No.: JX-897 / DNR Well ID No.: ____
Facility ID: ____	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed: 08/22/2000 (m m d d Y Y Y Y)
Type of Well: Well Code ____/____	Section Location of Waste/Source: NW 1/4 of NW 1/4 of Sec. 5 T. 28 N, R. 6 ☐E ☐W	Well Installed By: Name (first, last) and Firm: Joe Black / Envirogen
Distance from Waste/Source _____ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number: ____

A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation 97.69 ft. MSL
C. Land surface elevation _____ ft. MSL
D. Surface seal, bottom _____ ft. MSL or 1.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ■
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ■ No

14. Drilling method used: Rotary ☐ 50 / Hollow Stem Auger ■ 41 / Other ☐ ____

15. Drilling fluid used: Water ☐ 02 / Air ☐ 01 / Drilling Mud ☐ 03 / None ■ 99

16. Drilling additives used? ☐ Yes ■ No
Describe _____

17. Source of water (attach analysis, if required):
_____

E. Bentonite seal, top _____ ft. MSL or 1.0 ft.
F. Fine sand, top _____ ft. MSL or 3.0 ft.
G. Filter pack, top _____ ft. MSL or 4.0 ft.
H. Screen joint, top _____ ft. MSL or 5.0 ft.
I. Well bottom _____ ft. MSL or 15.0 ft.
J. Filter pack, bottom _____ ft MSL or 15.0 ft.
K. Borehole, bottom _____ ft MSL or 15.0 ft.
L. Borehole, diameter 8.1/4 in.
M. O.D. well casing 2.37 in.
N. I.D. well casing 2.07 in.

1. Cap and lock? ■ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8.1/4 in.
b. Length: 1.0 ft.
c. Material: Steel ■ 04 / Other ☐ ____
d. Additional protection? ☐ Yes ☐ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 30 / Concrete ■ 01 / Other ☐ ____
4. Material between well casing and protective pipe: Bentonite ☐ 30 / Other ■ ____
Open
5. Annular space seal: a. Granular/Chipped Bentonite ☐ 33
b. _____ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight ..... Bentonite slurry ☐ 31
d. _____ % Bentonite ..... Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 / Tremie pumped ☐ 02 / Gravity ☐ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ■3/8 in. ☐1/2 in. Bentonite chips ☐ 32
c. _____ Other ☐ ____
7. Fine sand material: Manufacturer, product name & mesh size
a. Badger BB #4
b. Volume added 0.466 ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint #30
b. Volume added 2.915 ft^3
9. Well casing: Flush threaded PVC schedule 40 ■ 23 / Flush threaded PVC schedule 80 ☐ 24 / Other ☐ ____
10. Screen material: PVC
a. Screen type: Factory cut ☐ 11 / Continuous slot ■ 01 / Other ☐ ____
b. Manufacturer Johnson
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ■ 14 / Other ☐ ____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
Todd Flak	Envirogen

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ■ Other ☐ _____

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Semanko Property	Local Grid Location of Well: N/A ft. ☐N. ☐S. N/A ft. ☐E. ☐W.	Well Name: MW-5
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No.: JX-898 / DNR Well ID No.
Facility ID	St. Plane ft. N, ft. E. S/C/N	Date Well Installed: 8/22/2000 (m m d d y y y y)
Type of Well: Well Code /	Section Location of Waste/Source: NW 1/4 of NW 1/4 of Sec. 5 T. 28 N, R. 6 ☐E ☒W	Well Installed By: Name (first, last) and Firm: Joe Black / Envirogen
Distance from Waste/Source ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number

A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation 98.23 ft. MSL
C. Land surface elevation _____ ft. MSL
D. Surface seal, bottom _____ ft. MSL or 1.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ■
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ■ No

14. Drilling method used: Rotary ☐ 50 / Hollow Stem Auger ■ 41 / Other ☐ _____

15. Drilling fluid used: Water ☐ 02 / Air ☐ 01 / Drilling Mud ☐ 03 / None ■ 99

16. Drilling additives used? ☐ Yes ■ No
Describe _____

17. Source of water (attach analysis, if required):
_____

E. Bentonite seal, top _____ ft. MSL or 1.0 ft.
F. Fine sand, top _____ ft. MSL or 3.0 ft.
G. Filter pack, top _____ ft. MSL or 4.0 ft.
H. Screen joint, top _____ ft. MSL or 5.0 ft.
I. Well bottom _____ ft. MSL or 15.0 ft.
J. Filter pack, bottom _____ ft. MSL or 15.0 ft.
K. Borehole, bottom _____ ft. MSL or 15.0 ft.
L. Borehole, diameter 8.1/4 in.
M. O.D. well casing 2.37 in.
N. I.D. well casing 2.07 in.

1. Cap and lock? ■ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8.1/4 in.
b. Length: 1.0 ft.
c. Material: Steel ■ 04 / Other ☐ _____
d. Additional protection? ☐ Yes ☐ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 30 / Concrete ■ 01 / Other ☐ _____
4. Material between well casing and protective pipe: Bentonite ☐ 30 / Other ■ Open
5. Annular space seal: a. Granular/Chipped Bentonite ☐ 33
b. _____ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight ..... Bentonite slurry ☐ 31
d. _____ % Bentonite ..... Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 / Tremie pumped ☐ 02 / Gravity ☐ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ■3/8 in. ☐1/2 in. Bentonite chips ☐ 32
c. _____ Other ☐ _____
7. Fine sand material: Manufacturer, product name & mesh size
a. Badger BB #7
b. Volume added 0.466 ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint #30
b. Volume added 3.18 ft^3
9. Well casing: Flush threaded PVC schedule 40 ■ 23 / Flush threaded PVC schedule 80 ☐ 24 / Other ☐ _____
10. Screen material: PVC
a. Screen type: Factory cut ☐ 11 / Continuous slot ■ 01 / Other ☐ _____
b. Manufacturer Johnson
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ■ 14 / Other ☐ _____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Todd Flat | Firm: Envirogen

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: Semanko Property	Local Grid Location of Well ☒ N. ☐ S. NA ft. ☐ E. ☐ W. NA ft.	Well Name: MW-10
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No. / DNR Well ID No.
Facility ID	St. Plane ft. N, ft. E. S/C/N	Date Well Installed: 11/07/2000 (m m d d y y y y)
Type of Well — Well Code /	Section Location of Waste/Source: NW 1/4 of NW 1/4 of Sec. 5, T. 28 N, R. 6 ☐ E ☒ W	Well Installed By: Name (first, last) and Firm: Brad / Wayne Maxim
Distance from Waste/Source ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number

A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation _____ ft. MSL
C. Land surface elevation _____ ft. MSL
D. Surface seal, bottom _____ ft. MSL or 1.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50 / Hollow Stem Auger ☒ 41 / Other ☐ _____

15. Drilling fluid used: Water ☐ 02 / Air ☐ 01 / Drilling Mud ☐ 03 / None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe _____

17. Source of water (attach analysis, if required):
_____

E. Bentonite seal, top _____ ft. MSL or 1.0 ft.
F. Fine sand, top _____ ft. MSL or X ft.
G. Filter pack, top _____ ft. MSL or 3.0 ft.
H. Screen joint, top _____ ft. MSL or 5.0 ft.
I. Well bottom _____ ft. MSL or 15.0 ft.
J. Filter pack, bottom _____ ft. MSL or 15.0 ft.
K. Borehole, bottom _____ ft. MSL or 15.0 ft.
L. Borehole, diameter 8.3 in.
M. O.D. well casing 2.3 in.
N. I.D. well casing 2.07 in.

1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 9.0 in.
b. Length: 4.0 ft.
c. Material: Steel ☒ 04 / Other ☐ _____
d. Additional protection? ☐ Yes ☐ No
If yes, describe: _____
3. Surface seal: Bentonite ☒ 30 / Concrete ☐ 01 / Other ☐ _____
4. Material between well casing and protective pipe: Bentonite ☐ 30 / Other ☒ _____
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight ..... Bentonite slurry ☐ 31
d. _____ % Bentonite ..... Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 / Tremie pumped ☐ 02 / Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 32
c. _____ Other ☐ _____
7. Fine sand material: Manufacturer, product name & mesh size
a. _____
b. Volume added _____ ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Badger #30 Red Flint
b. Volume added _____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23 / Flush threaded PVC schedule 80 ☐ 24 / Other ☐ _____
10. Screen material: PVC
a. Screen type: Factory cut ☐ 11 / Continuous slot ☒ 01 / Other ☐ _____
b. Manufacturer Johnson
c. Slot size: 0.10 in.
d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☒ 14 / Other ☐ _____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Rebecca Cook | Firm: Envirogen, Inc

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

tate of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Semanko	Chippewa	MW-1
Facility License, Permit or Monitoring Number	**County Code**	**Wis. Unique Well Number**	**DNR Well ID Number**
	09	JX-894	____

1. Can this well be purged dry? ☒ Yes ☐ No

2. Well development method

surged with bailer and bailed	☐ 41
surged with bailer and pumped	☐ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☒ 50
Other _____	☐

3. Time spent developing well 15 min.

4. Depth of well (from top of well casisng) 13.9 ft.

5. Inside diameter of well 2.0 in.

6. Volume of water ~~in filter pack and~~ well casing 7.7 gal.

7. Volume of water removed from well 25.0 gal.

8. Volume of water added (if any) 0. gal.

Source of water added _____

9. Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 9.52 ft.	11.92 ft.
Date	b. 08/29/2000 (m m d d y y y y)	08/29/2000 (m m d d y y y y)
Time	c. 5:45 ☐ a.m. ☒ p.m.	6:00 ☐ a.m. ☒ p.m.
12. Sediment in well bottom	___.__ inches	___.__ inches
13. Water clarity	Clear ☒ 10 Turbid ☐ 15 (Describe)	Clear ☒ 20 Turbid ☐ 25 (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	_____.__ mg/l	_____.__ mg/l
15. COD	_____.__ mg/l	_____.__ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Jamie Last Name: Nuthals
Firm: Envirogen

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party
First Name: Violetta Last Name: Semanko
Facility/Firm: _____
Street: 407 East MD Street
City/State/Zip: Cadott, WI 54727

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Rebecca Cook
Print Name: Rebecca Cook
Firm: Envirogen

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Semanko	Chippewa	MW-2
Facility License, Permit or Monitoring Number	**County Code**	**Wis. Unique Well Number**	**DNR Well ID Number**
	09	IX-895	____

1. Can this well be purged dry? ☒ Yes ☐ No

2. Well development method

surged with bailer and bailed	☐ 41
surged with bailer and pumped	☐ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☒ 50
Other _____	☐

3. Time spent developing well 10 min.

4. Depth of well (from top of well casisng) 14.8 ft.

5. Inside diameter of well 2.0 in.

6. Volume of water in filter pack and well casing 12.0 gal.

7. Volume of water removed from well 25.0 gal.

8. Volume of water added (if any) 0. gal.

9. Source of water added _____

10. Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 7.93 ft.	7.98 ft.
Date	b. 01/29/2000 (m m d d y y y y)	01/29/2000 (m m d d y y y y)
Time	c. 5:30 ☐ a.m. ☒ p.m.	5:40 ☐ a.m. ☒ p.m.
12. Sediment in well bottom	___.__ inches	___.__ inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe)	Clear ☐ 20 Turbid ☒ 25 (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids ____.__ mg/l ____.__ mg/l

15. COD ____.__ mg/l ____.__ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: James Last Name: Nuthals
Firm: Envirosem

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party
First Name: Violetta Last Name: Semanko
Facility/Firm: _____
Street: 407 East MD Street
City/State/Zip: Cadott, WI 54727

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Rebecca Cook
Print Name: Rebecca Cook
Firm: Envirosem

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Semanko	Chippewa	MW-3
Facility License, Permit or Monitoring Number	**County Code**	**Wis. Unique Well Number**	**DNR Well ID Number**
	09	IX-896	____

1. Can this well be purged dry? ☒ Yes ☐ No

2. Well development method

surged with bailer and bailed	☐ 41
surged with bailer and pumped	☐ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☒ 50
Other _____	☐

3. Time spent developing well ____5 min.

4. Depth of well (from top of well casisng) __14.5 ft.

5. Inside diameter of well __2.0__ in.

6. Volume of water in filter pack and well casing __6.4 gal.

7. Volume of water removed from well __25.0 gal.

8. Volume of water added (if any) __0.__ gal.

9. Source of water added _____

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☐ No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 10.83 ft.	10.98 ft.
Date	b. 09/29/2000 (m m d d y y y y)	09/29/2000 (m m d d y y y y)
Time	c. 5:25 ☐ a.m. ☒ p.m.	5:30 ☐ a.m. ☒ p.m.
12. Sediment in well bottom	___.__ inches	___.__ inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe)	Clear ☐ 20 Turbid ☒ 25 (Describe)
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	_____.__ mg/l	_____.__ mg/l
15. COD	_____.__ mg/l	_____.__ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: James Last Name: Nuthals
Firm: Envirogen

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party
First Name: Violetta Last Name: Semanko
Facility/Firm: _____
Street: 407 East MD Street
City/State/Zip: Cadott, WI 54727

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Rebecca Cook
Print Name: Rebecca Cook
Firm: Envirogen

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Sumanko	Chippewa	MW-4
Facility License, Permit or Monitoring Number	**County Code**	**Wis. Unique Well Number**	**DNR Well ID Number**
	09	JX-897	____

1. Can this well be purged dry? ☒ Yes ☐ No

2. Well development method

surged with bailer and bailed	☐ 41
surged with bailer and pumped	☐ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☒ 50
Other _____	☐

3. Time spent developing well 25 min.

4. Depth of well (from top of well casisng) 13.5 ft.

5. Inside diameter of well 2.0 in.

6. Volume of water in filter pack and well casing 8.7 gal.

7. Volume of water removed from well 25.0 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added _____

10. Analysis perfonned on water added? (If yes, attach results) ☐ Yes ☐ No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 8.52 ft.	11.32 ft.
Date	b. 01/29/2000 (m m d d y y y y)	01/29/2000 (m m d d y y y y)
Time	c. 5:00 ☐ a.m. ☒ p.m.	5:25 ☐ a.m. ☒ p.m.
12. Sediment in well bottom	___.__ inches	___.__ inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe)	Clear ☐ 20 Turbid ☒ 25 (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	_____.__ mg/l	_____.__ mg/l
15. COD	_____.__ mg/l	_____.__ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Jamie Last Name: Nuthals
Firm: Envirogen

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party
First Name: Violetta Last Name: Sumanko
Facility/Firm: _____
Street: 407 East MD Street
City/State/Zip: Cadott, WI 54727

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Rebecca Cook
Print Name: Rebecca Cook
Firm: Envirogen

See instructions for more information including a list of county codes and well type codes.

ate of Wisconsin
epartment of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

acility/Project Name	County Name	Well Name
Semanko Property	Chippewa	MW-5
acility License, Permit or Monitoring Number	**County Code**	**Wis. Unique Well Number**	**DNR Well ID Number**
	09	_____	____

Can this well be purged dry? ☒ Yes ☐ No

Well development method

surged with bailer and bailed	☐ 41
surged with bailer and pumped	☐ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☒ 50
Other _____	☐

Time spent developing well ___15 min.

Depth of well (from top of well casisng) _14.3 ft.

Inside diameter of well _2.07 in.

Volume of water in filter pack and well casing ___9.6 gal.

Volume of water removed from well _15.0 gal.

Volume of water added (if any) ____.__ gal.

Source of water added _____

Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. __8.81 ft.	__8.88 ft.
Date	b. 08/29/2000 (m m d d y y y y)	08/29/2000 (m m d d y y y y)
Time	c. 5:40 ☐ a.m. ☒ p.m.	5:55 ☐ a.m. ☒ p.m.
12. Sediment in well bottom	___.__ inches	___.__ inches
13. Water clarity	Clear ☐ 10 Turbid ☐ 15 (Describe)	Clear ☐ 20 Turbid ☐ 25 (Describe)
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	_____.__ mg/l	_____.__ mg/l
15. COD	_____.__ mg/l	_____.__ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Jamie Last Name: Nuthals
Firm: Enviroscan

Additional comments on development:

ne and Address of Facility Contact/Owner/Responsible Party
t ne: Violetta Last Name: Semanko
ility/Firm: _____
ess: 407 East MD Street
y/State/Zip: Ladysmith, WI 54727

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Rebecca Cook
Print Name: Rebecca Cook
Firm: Enviroscan, Inc

OTE: See instructions for more information including a list of county codes and well type codes.

ate of Wisconsin
epartment of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

acility/Project Name	County Name	Well Name
Semanko Property	Chippewa	MW-10
acility License, Permit or Monitoring Number	**County Code**	**Wis. Unique Well Number**	**DNR Well ID Number**
	09	_____	___

. Can this well be purged dry? ☒ Yes ☐ No

. Well development method

surged with bailer and bailed	☐ 41
surged with bailer and pumped	☐ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☒ 50
Other _____	☐

Time spent developing well 15 min.

. Depth of well (from top of well casisng) 14.7 ft.

Inside diameter of well 2.0 in.

Volume of water in filter pack and well casing 10.3 gal.

Volume of water removed from well 16.0 gal.

Volume of water added (if any) ___.__ gal.

Source of water added _____

). Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 8.81 ft.	8.91 ft.
Date	b. 12/08/2000 (m m d d y y y y)	12/08/2000
Time	c. 8:00 ☒ a.m. ☐ p.m.	9:30 ☒ a.m. ☐ p.m.
12. Sediment in well bottom	___.__ inches	___.__ inches
13. Water clarity	Clear ☐ 10 Turbid ☐ 15 (Describe)	Clear ☐ 20 Turbid ☐ 25 (Describe)
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	____.__ mg/l	____.__ mg/l
15. COD	____.__ mg/l	____.__ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Krista Last Name: Tennessen
Firm: Envirogen

. Additional comments on development:

me and Address of Facility Contact /Owner/Responsible Party
st me: Violetta Last Name: Semanko
cility/Firm: _____
reet: 407 East W.L. Street
ty/State/Zip: Cadott, WI 54727

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Rebecca Cook
Print Name: Rebecca Cook
Firm: Envirogen, Inc.

OTE: See instructions for more information including a list of county codes and well type codes.

ENVIROGEN

Attachment F

Soil Sample Laboratory Analytical Results

GREAT LAKES ANALYTICAL

140 East Ryan Road
Oak Creek, Wisconsin 53154

Email: info@glalabs.com
(414) 570-9460 FAX (414) 570-9461

JUL 25 2000

July 24, 2000

John Zajakowski
Envirogen - Mosinee
850 Hwy 153, Suite F
Mosinee, WI 54455

RE: Semanko Property

Dear John Zajakowski

Enclosed are the results of analyses for sample(s) received by the laboratory on July 12, 2000. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Andrea Stathas

Andrea Stathas
Project Manager

WDNR Cert # 341000330

GREAT LAKES ANALYTICAL

140 East Ryan Road
Oak Creek, Wisconsin 53154

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(414) 570-9460 FAX (414) 570-9461

Envirogen - Mosinee	Project:	Semanko Property	Sampled:	7/6/00
850 Hwy 153, Suite F	Project Number:	980273/050	Received:	7/12/00
Mosinee, WI 54455	Project Manager:	John Zajakowski	Reported:	7/24/00 17:18

ANALYTICAL REPORT FOR SAMPLES:

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
GP-1 2-4	W007052-01	Soil (WI)	7/6/00
GP-1 6-8	W007052-02	Soil (WI)	7/6/00
GP-1 13-15	W007052-03	Soil (WI)	7/6/00
GP-2 4-6	W007052-04	Soil (WI)	7/6/00
GP-2 10-12	W007052-05	Soil (WI)	7/6/00
GP-3 6-8	W007052-06	Soil (WI)	7/6/00
GP-3 14-16	W007052-07	Soil (WI)	7/6/00
GP-4 4-6	W007052-08	Soil (WI)	7/6/00
GP-4 10-12	W007052-09	Soil (WI)	7/6/00
GP-5 18-20	W007052-10	Soil (WI)	7/6/00
GP-6 8.5-10.5	W007052-11	Soil (WI)	7/6/00
MeOH Blank	W007052-12	MeOH Blank	7/6/00

Great Lakes Analytical--Oak Creek

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Andrea Stathas, Project Manager

GREAT LAKES ANALYTICAL
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Envirogen - Mosinee	Project:	Semanko Property	Sampled: 7/6/00
850 Hwy 153, Suite F	Project Number:	980273/050	Received: 7/12/00
Mosinee, WI 54455	Project Manager:	John Zajakowski	Reported: 7/24/00 17:18

Gasoline Range Organics (GRO) by WDNR GRO
Great Lakes Analytical--Oak Creek

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
GP-1 2-4			W007052-01				Soil (WI)	
Gasoline Range Organics (GRO)	0070052	7/18/00	7/19/00	WDNR GRO	5.63	ND	mg/kg dry	
GP-1 6-8			W007052-02				Soil (WI)	G12
Gasoline Range Organics (GRO)	0070052	7/18/00	7/20/00	WDNR GRO	512	**770**	mg/kg dry	T1,T2,T4
GP-1 13-15			W007052-03				Soil (WI)	
Gasoline Range Organics (GRO)	0070052	7/18/00	7/19/00	WDNR GRO	5.62	ND	mg/kg dry	
GP-2 4-6			W007052-04				Soil (WI)	
Gasoline Range Organics (GRO)	0070052	7/18/00	7/18/00	WDNR GRO	5.23	ND	mg/kg dry	
GP-2 10-12			W007052-05				Soil (WI)	G12
Gasoline Range Organics (GRO)	0070052	7/18/00	7/20/00	WDNR GRO	547	**1680**	mg/kg dry	T2,T4
GP-3 6-8			W007052-06				Soil (WI)	
Gasoline Range Organics (GRO)	0070052	7/18/00	7/18/00	WDNR GRO	5.56	ND	mg/kg dry	
GP-3 14-16			W007052-07				Soil (WI)	
Gasoline Range Organics (GRO)	0070052	7/18/00	7/19/00	WDNR GRO	5.49	ND	mg/kg dry	
GP-4 4-6			W007052-08				Soil (WI)	
Gasoline Range Organics (GRO)	0070052	7/18/00	7/18/00	WDNR GRO	5.66	ND	mg/kg dry	
GP-4 10-12			W007052-09				Soil (WI)	
Gasoline Range Organics (GRO)	0070052	7/18/00	7/19/00	WDNR GRO	5.67	ND	mg/kg dry	
GP-5 18-20			W007052-10				Soil (WI)	
Gasoline Range Organics (GRO)	0070052	7/18/00	7/18/00	WDNR GRO	5.98	ND	mg/kg dry	
GP-6 8.5-10.5			W007052-11				Soil (WI)	
Gasoline Range Organics (GRO)	0070052	7/18/00	7/18/00	WDNR GRO	5.64	ND	mg/kg dry	
MeOH Blank			W007052-12				MeOH Blank	
Gasoline Range Organics (GRO)	0070071	7/18/00	7/19/00	WDNR GRO	5.00	ND	mg/l	

Great Lakes Analytical--Oak Creek

**Refer to end of report for text of notes and definitions.*

Andrea Stathas, Project Manager

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140 East Ryan Road
Oak Creek, Wisconsin 53154
Email: info@glalabs.com
(414) 570-9460 FAX (414) 570-9461

Envirogen - Mosinee	Project:	Semanko Property	Sampled: 7/6/00
850 Hwy 153, Suite F	Project Number:	980273/050	Received: 7/12/00
Mosinee, WI 54455	Project Manager:	John Zajakowski	Reported: 7/24/00 17:18

Petroleum Volatile Organic Compounds (PVOC) by Method 8021B
Great Lakes Analytical--Oak Creek

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
GP-1 2-4			**W007052-01**				**Soil (WI)**	
Benzene	0070052	7/18/00	7/19/00		25.0	ND	ug/kg dry	
Ethylbenzene	"	"	"		25.0	ND	"	
Methyl tert-butyl ether	"	"	"		25.0	ND	"	
Toluene	"	"	"		25.0	ND	"	
1,2,4-Trimethylbenzene	"	"	"		25.0	ND	"	
1,3,5-Trimethylbenzene	"	"	"		25.0	ND	"	
Total Xylenes	"	"	"		25.0	ND	"	
Surrogate: 4-BFB	"	"	"	*80.0-120*		*78.0*	*%*	*O4*
GP-1 6-8			**W007052-02**				**Soil (WI)**	**G12**
Benzene	0070052	7/18/00	7/19/00		100	**286**	ug/kg dry	
Ethylbenzene	"	"	"		100	**5630**	"	
Methyl tert-butyl ether	"	"	"		100	ND	"	
Toluene	"	"	"		100	**15200**	"	
1,2,4-Trimethylbenzene	"	"	"		100	**30300**	"	
1,3,5-Trimethylbenzene	"	"	"		100	**11100**	"	
Total Xylenes	"	"	"		100	**67800**	"	
Surrogate: 4-BFB	"	"	"	*80.0-120*		*NR*	*%*	*O5*
GP-1 13-15			**W007052-03**				**Soil (WI)**	
Benzene	0070052	7/18/00	7/19/00		25.0	ND	ug/kg dry	
Ethylbenzene	"	"	"		25.0	ND	"	
Methyl tert-butyl ether	"	"	"		25.0	ND	"	
Toluene	"	"	"		25.0	ND	"	
1,2,4-Trimethylbenzene	"	"	"		25.0	ND	"	
1,3,5-Trimethylbenzene	"	"	"		25.0	ND	"	
Total Xylenes	"	"	"		25.0	ND	"	
Surrogate: 4-BFB	"	"	"	*80.0-120*		*90.6*	*%*	
GP-2 4-6			**W007052-04**				**Soil (WI)**	
Benzene	0070052	7/18/00	7/18/00		25.0	ND	ug/kg dry	
Ethylbenzene	"	"	"		25.0	ND	"	
Methyl tert-butyl ether	"	"	"		25.0	ND	"	
Toluene	"	"	"		25.0	ND	"	
1,2,4-Trimethylbenzene	"	"	"		25.0	ND	"	
1,3,5-Trimethylbenzene	"	"	"		25.0	ND	"	
Total Xylenes	"	"	"		25.0	ND	"	
Surrogate: 4-BFB	"	"	"	*80.0-120*		*90.8*	*%*	

Great Lakes Analytical--Oak Creek

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850 Hwy 153, Suite F	Project Number:	980273/050	Received: 7/12/00
Mosinee, WI 54455	Project Manager:	John Zajakowski	Reported: 7/24/00 17:18

Petroleum Volatile Organic Compounds (PVOC) by Method 8021B
Great Lakes Analytical--Oak Creek

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
GP-2 10-12			**W007052-05**				**Soil (WI)**	**G12**
Benzene	0070052	7/18/00	7/19/00		125	**3240**	ug/kg dry	
Ethylbenzene	"	"	7/20/00		2500	**6530**	"	
Methyl tert-butyl ether	"	"	"		2500	ND	"	
Toluene	"	"	"		2500	**3940**	"	
1,2,4-Trimethylbenzene	"	"	"		2500	**42800**	"	
1,3,5-Trimethylbenzene	"	"	"		2500	**32300**	"	
Total Xylenes	"	"	"		2500	**38900**	"	
Surrogate: 4-BFB	"	"	"	*80.0-120*		*NR*	%	*G18*
GP-3 6-8			**W007052-06**				**Soil (WI)**	
Benzene	0070052	7/18/00	7/18/00		25.0	ND	ug/kg dry	
Ethylbenzene	"	"	"		25.0	ND	"	
Methyl tert-butyl ether	"	"	"		25.0	ND	"	
Toluene	"	"	"		25.0	ND	"	
1,2,4-Trimethylbenzene	"	"	"		25.0	ND	"	
1,3,5-Trimethylbenzene	"	"	"		25.0	ND	"	
Total Xylenes	"	"	"		25.0	ND	"	
Surrogate: 4-BFB	"	"	"	*80.0-120*		*78.5*	%	*O4*
GP-3 14-16			**W007052-07**				**Soil (WI)**	
Benzene	0070052	7/18/00	7/19/00		25.0	ND	ug/kg dry	
Ethylbenzene	"	"	"		25.0	ND	"	
Methyl tert-butyl ether	"	"	"		25.0	ND	"	
Toluene	"	"	"		25.0	ND	"	
1,2,4-Trimethylbenzene	"	"	"		25.0	ND	"	
1,3,5-Trimethylbenzene	"	"	"		25.0	ND	"	
Total Xylenes	"	"	"		25.0	ND	"	
Surrogate: 4-BFB	"	"	"	*80.0-120*		*82.2*	%	
GP-4 4-6			**W007052-08**				**Soil (WI)**	
Benzene	0070052	7/18/00	7/18/00		25.0	ND	ug/kg dry	
Ethylbenzene	"	"	"		25.0	ND	"	
Methyl tert-butyl ether	"	"	"		25.0	ND	"	
Toluene	"	"	"		25.0	ND	"	
1,2,4-Trimethylbenzene	"	"	"		25.0	ND	"	
1,3,5-Trimethylbenzene	"	"	"		25.0	**338**	"	
Total Xylenes	"	"	"		25.0	ND	"	
Surrogate: 4-BFB	"	"	"	*80.0-120*		*78.1*	%	*O4*

Great Lakes Analytical--Oak Creek

**Refer to end of report for text of notes and definitions.*

Andrea Stathas, Project Manager

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Envirogen - Mosinee	Project:	Semanko Property	Sampled: 7/6/00
850 Hwy 153, Suite F	Project Number:	980273/050	Received: 7/12/00
Mosinee, WI 54455	Project Manager:	John Zajakowski	Reported: 7/24/00 17:18

Petroleum Volatile Organic Compounds (PVOC) by Method 8021B
Great Lakes Analytical--Oak Creek

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
GP-4 10-12			**W007052-09**				**Soil (WI)**	
Benzene	0070052	7/18/00	7/19/00		25.0	ND	ug/kg dry	
Ethylbenzene	"	"	"		25.0	ND	"	
Methyl tert-butyl ether	"	"	"		25.0	ND	"	
Toluene	"	"	"		25.0	ND	"	
1,2,4-Trimethylbenzene	"	"	"		25.0	ND	"	
1,3,5-Trimethylbenzene	"	"	"		25.0	ND	"	
Total Xylenes	"	"	"		25.0	ND	"	
Surrogate: 4-BFB	"	"	"	*80.0-120*		*134*	%	*O5*
GP-5 18-20			**W007052-10**				**Soil (WI)**	
Benzene	0070052	7/18/00	7/18/00		25.0	ND	ug/kg dry	
Ethylbenzene	"	"	"		25.0	ND	"	
Methyl tert-butyl ether	"	"	"		25.0	ND	"	
Toluene	"	"	"		25.0	ND	"	
1,2,4-Trimethylbenzene	"	"	"		25.0	ND	"	
1,3,5-Trimethylbenzene	"	"	"		25.0	ND	"	
Total Xylenes	"	"	"		25.0	ND	"	
Surrogate: 4-BFB	"	"	"	*80.0-120*		*85.2*	%	
GP-6 8.5-10.5			**W007052-11**				**Soil (WI)**	
Benzene	0070052	7/18/00	7/18/00		25.0	ND	ug/kg dry	
Ethylbenzene	"	"	"		25.0	ND	"	
Methyl tert-butyl ether	"	"	"		25.0	ND	"	
Toluene	"	"	"		25.0	ND	"	
1,2,4-Trimethylbenzene	"	"	"		25.0	ND	"	
1,3,5-Trimethylbenzene	"	"	"		25.0	ND	"	
Total Xylenes	"	"	"		25.0	ND	"	
Surrogate: 4-BFB	"	"	"	*80.0-120*		*90.2*	%	
MeOH Blank			**W007052-12**				**MeOH Blank**	
Benzene	0070071	7/18/00	7/19/00		25.0	ND	ug/l	
Ethylbenzene	"	"	"		25.0	ND	"	
Methyl tert-butyl ether	"	"	"		25.0	ND	"	
Toluene	"	"	"		25.0	ND	"	
1,2,4-Trimethylbenzene	"	"	"		25.0	ND	"	
1,3,5-Trimethylbenzene	"	"	"		25.0	ND	"	
Total Xylenes	"	"	"		25.0	ND	"	
Surrogate: 4-BFB	"	"	"	*80.0-120*		*82.3*	%	

Great Lakes Analytical--Oak Creek

**Refer to end of report for text of notes and definitions.*

Andrea Stathas, Project Manager

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Envirogen - Mosinee	Project:	Semanko Property	Sampled:	7/6/00
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Mosinee, WI 54455	Project Manager:	John Zajakowski	Reported:	7/24/00 17:18

Dry Weight Determination
Great Lakes Analytical--Oak Creek

Sample Name	Lab ID	Matrix	Result	Units
GP-1 2-4	W007052-01	Soil (WI)	88.8	%
GP-1 6-8	W007052-02	Soil (WI)	97.7	%
GP-1 13-15	W007052-03	Soil (WI)	89.0	%
GP-2 4-6	W007052-04	Soil (WI)	95.5	%
GP-2 10-12	W007052-05	Soil (WI)	91.3	%
GP-3 6-8	W007052-06	Soil (WI)	89.9	%
GP-3 14-16	W007052-07	Soil (WI)	91.0	%
GP-4 4-6	W007052-08	Soil (WI)	88.3	%
GP-4 10-12	W007052-09	Soil (WI)	88.1	%
GP-5 18-20	W007052-10	Soil (WI)	83.7	%
GP-6 8.5-10.5	W007052-11	Soil (WI)	88.6	%

Great Lakes Analytical--Oak Creek

Andrea Stathas, Project Manager

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Envirogen - Mosinee	Project:	Semanko Property	Sampled: 7/6/00
850 Hwy 153, Suite F	Project Number:	980273/050	Received: 7/12/00
Mosinee, WI 54455	Project Manager:	John Zajakowski	Reported: 7/24/00 17:18

Gasoline Range Organics (GRO) by WDNR GRO/Quality Control
Great Lakes Analytical--Oak Creek

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0070052	**Date Prepared: 7/18/00**				**Extraction Method: EPA 5030B [MeOH]**					
Blank	**0070052-BLK1**									
Gasoline Range Organics (GRO)	7/18/00			**ND**	mg/kg dry	**5.00**				
LCS	**0070052-BS1**									
Gasoline Range Organics (GRO)	7/18/00	10.0		10.9	mg/kg dry	80.0-120	109			
LCS Dup	**0070052-BSD1**									
Gasoline Range Organics (GRO)	7/18/00	10.0		9.35	mg/kg dry	80.0-120	93.5	20.0	15.3	

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Envirogen - Mosinee	Project:	Semanko Property	Sampled: 7/6/00
850 Hwy 153, Suite F	Project Number:	980273/050	Received: 7/12/00
Mosinee, WI 54455	Project Manager:	John Zajakowski	Reported: 7/24/00 17:18

Petroleum Volatile Organic Compounds (PVOC) by Method 8021B/Quality Control
Great Lakes Analytical--Oak Creek

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0070052	**Date Prepared: 7/18/00**					**Extraction Method: EPA 5030B [MeOH]**				
Blank	**0070052-BLK1**									
Benzene	7/18/00			**ND**	ug/kg dry	**25.0**				
Ethylbenzene	"			**ND**	"	**25.0**				
Methyl tert-butyl ether	"			**ND**	"	**25.0**				
Toluene	"			**ND**	"	**25.0**				
1,2,4-Trimethylbenzene	"			**ND**	"	**25.0**				
1,3,5-Trimethylbenzene	"			**ND**	"	**25.0**				
Total Xylenes	"			**ND**	"	**25.0**				
Surrogate: 4-BFB	"	*1000*		*826*	"	*80.0-120*	*82.6*			
LCS	**0070052-BS1**									
Benzene	7/18/00	1000		859	ug/kg dry	80.0-120	85.9			
Ethylbenzene	"	1000		873	"	80.0-120	87.3			
Methyl tert-butyl ether	"	1000		1010	"	80.0-120	101			
Toluene	"	1000		870	"	80.0-120	87.0			
1,2,4-Trimethylbenzene	"	1000		846	"	80.0-120	84.6			
1,3,5-Trimethylbenzene	"	1000		846	"	80.0-120	84.6			
Total Xylenes	"	3000		2610	"	80.0-120	87.0			
Surrogate: 4-BFB	"	*1000*		*942*	"	*80.0-120*	*94.2*			
LCS Dup	**0070052-BSD1**									
Benzene	7/18/00	1000		861	ug/kg dry	80.0-120	86.1	20.0	0.233	
Ethylbenzene	"	1000		871	"	80.0-120	87.1	20.0	0.229	
Methyl tert-butyl ether	"	1000		1010	"	80.0-120	101	20.0	0	
Toluene	"	1000		870	"	80.0-120	87.0	20.0	0	
1,2,4-Trimethylbenzene	"	1000		850	"	80.0-120	85.0	20.0	0.472	
1,3,5-Trimethylbenzene	"	1000		842	"	80.0-120	84.2	20.0	0.474	
Total Xylenes	"	3000		2610	"	80.0-120	87.0	20.0	0	
Surrogate: 4-BFB	"	*1000*		*978*	"	*80.0-120*	*97.8*			

GREAT LAKES ANALYTICAL

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Envirogen - Mosinee	Project:	Semanko Property	Sampled: 7/6/00
850 Hwy 153, Suite F	Project Number:	980273/050	Received: 7/12/00
Mosinee, WI 54455	Project Manager:	John Zajakowski	Reported: 7/24/00 17:18

Notes and Definitions

#	Note
G12	The reporting limit of this sample/analyte is elevated due to sample matrix and/or other effects.
G18	The surrogate is diluted out of detection range for this sample.
O4	One or more surrogate recoveries were below the laboratory's established acceptance criteria.
O5	One or more surrogate recoveries were above the laboratory's established acceptance criteria.
T1	Gas Pattern
T2	Late Peaks
T4	Gas Range
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
Recov.	Recovery
RPD	Relative Percent Difference

GREAT LAKES ANALYTICAL

CHAIN OF CUSTODY REPORT

1380 Busch Parkway
Buffalo Grove, IL 60089-4505
(847) 808-7766
FAX (847) 808-7772

20725 Watertown Road
Brookfield, WI 53501
(414) 798-1030
FAX (414) 798-1066

Client: Emergen, Inc.
Address: 850 Hwy 153, Suite F
Mosinee, WI 54481
Report to: John Zajdowski
Phone #: (715) 693-1750
Fax #: (715) 693-1760
Project: Semanko Property 950273 1050
Sampler: Shawn Wenzel
PO/Quote #:

Bill To:
Address: <SAME>
State & Wisconsin
Program: PECFA
Phone #: ( )
Fax #: ( )

TAT: 5 DAY 4 DAY 3 DAY 2 DAY 1 DAY < 24 HRS.
DATE RESULTS NEEDED: 07/~~04~~ 07/00
TEMPERATURE UPON RECEIPT: on ice
AIR BILL NO. Dunhams

	FIELD ID, LOCATION	DATE COLLECTED	TIME COLLECTED	SAMPLE MATRIX	PRESERVATIVES	NO. CONTAINERS	TYPE CONTAINERS	GRO	PVOC	Dry weight	SAMPLE CONTROL: CRACKED/BROKEN	SAMPLE CONTROL: IMPROPERLY SEALED	SAMPLE CONTROL: GOOD CONDITION	LABORATORY ID NUMBER
1	GP-1 2'-4'	7-6-00	0920	Soil	MeOH None	2	2oz Jar Pre-Cap	X	X	X			✓	WC07052-01
2	GP-1 6'-8' Strong Odor		0930										✓	-02
3	GP-1 13'-15' Strong Odor		0940										✓	-03
4	GP-2 4'-6'		1020										✓	-04
5	GP-2 10'-12'		1040										✓	-05
6	GP-3 6'-8'		1110										✓	-06
7	GP-3 14'-16'		1140										✓	-07
8	GP-4 4'-6'		1215										✓	-08
9	GP-4 10'-12'		1230										✓	-09
10	GP-5 15'-20'		1350										✓	-10

RELINQUISHED	RECEIVED	RELINQUISHED	RECEIVED
Shawn Wenzel 7-7-00 0915	K Altmann 07/07/00 10:00		
RELINQUISHED	RECEIVED	RELINQUISHED	RECEIVED

COMMENTS:

GREAT LAKES ANALYTICAL

CHAIN OF CUSTODY REPORT

1380 Busch Parkway
Buffalo Grove, IL 60089-4505
(847) 808-7766
FAX (847) 808-7772

20725 Watertown Road
Brookfield, WI 53501
(414) 798-1030
FAX (414) 798-1066

Client: Envirogen, Inc
Address: 550 Hwy 153, Suite F
Mosinee, WI 54481
Report to: John Zajicek
Phone #: (715) 693-1750
Fax #: (715) 693-1766

Bill To:
Address: <SAME>
State & Wisconsin
Program: PECFA
Phone #: ( )
Fax #: ( )

TAT: 5 DAY 4 DAY 3 DAY 2 DAY 1 DAY < 24 HRS.
DATE RESULTS NEEDED: 07/24/00
TEMPERATURE UPON RECEIPT: on ice
AIR BILL NO. Dunhams

Project: Semantic Property 180273/050
Sampler: Shawn Wenzel
PO/Quote #:

	FIELD ID, LOCATION	DATE COLLECTED	TIME COLLECTED	SAMPLE MATRIX	PRESERVATIVES	NO. CONTAINERS	TYPE CONTAINERS	GRO	PVAC	Dry Weight	SAMPLE CONTROL: CRACKED/BROKEN	SAMPLE CONTROL: IMPROPERLY SEALED	SAMPLE CONTROL: GOOD CONDITION	LABORATORY ID NUMBER
1	GP-6 8½-10½'	7-6-00	1445	Soil	MeOH None	2	2oz Jar PreClean	X	X	X			✓	W0007052-11
2	MeOH Blank	7-6-00	1000	MeOH	MeOH	1	2oz Jar	X	X				✓	↓ -12
3														
4														
5														
6														
7														
8														
9														
10														

RELINQUISHED	RECEIVED	RELINQUISHED	RECEIVED
Shawn Wenzel 7-7-00 0915	[signature] 07/12/00 10:00		
RELINQUISHED	RECEIVED	RELINQUISHED	RECEIVED

COMMENTS:

ENVIROGEN

Attachment G

Groundwater Sample Laboratory Analytical Reports

U.S. Analytical Lab

MAR 28 2001

JOHN ZAJAKOWSKI
ENVIROGEN INC
850 HWY 153 STE F
MOSINEE WI 54455

Project # 980273/050
Project Name SEMANKO PROPERTY
Invoice # E32522

Report Date *26-Mar-01*

Analyte	Result	Units	LOD	LOQ	Dil	Run Date	Method	Analyst	QC Code
Lab Code 5032522A						**Sample Type** Water			
Sample ID MW-10						**Sample Date** 3/9/01			
Organic									
General									
Gasoline Range Organics	< 100	ug/l	24	76	1	3/13/01	GRO95	CAH	1
PVOC + Naphthalene									
Benzene	3.4	ug/l	0.39	1.3	1	3/13/01	GRO95	CAH	1
Ethylbenzene	< 0.4	ug/l	0.4	1.3	1	3/13/01	GRO95	CAH	1
MTBE	< 0.47	ug/l	0.47	1.6	1	3/13/01	GRO95	CAH	1
Naphthalene	< 0.53	ug/l	0.53	1.8	1	3/13/01	GRO95	CAH	1
Toluene	< 0.37	ug/l	0.37	1.2	1	3/13/01	GRO95	CAH	1
1,2,4-Trimethylbenzene	< 0.4	ug/l	0.4	1.3	1	3/13/01	GRO95	CAH	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2.1	1	3/13/01	GRO95	CAH	1
Xylene's	< 1.4	ug/l	1.4	4.8	1	3/13/01	GRO95	CAH	1
Lab Code 5032522B						**Sample Type** Water			
Sample ID MW-4						**Sample Date** 3/9/01			
Organic									
General									
Gasoline Range Organics	420	ug/l	24	76	1	3/14/01	GRO95	CAH	1 46
PVOC + Naphthalene									
Benzene	6.5	ug/l	0.39	1.3	1	3/14/01	GRO95	CAH	1
Ethylbenzene	4.4	ug/l	0.4	1.3	1	3/14/01	GRO95	CAH	1
MTBE	< 0.47	ug/l	0.47	1.6	1	3/14/01	GRO95	CAH	1
Naphthalene	< 0.53	ug/l	0.53	1.8	1	3/14/01	GRO95	CAH	1
Toluene	2.3	ug/l	0.37	1.2	1	3/14/01	GRO95	CAH	1
1,2,4-Trimethylbenzene	< 0.4	ug/l	0.4	1.3	1	3/14/01	GRO95	CAH	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2.1	1	3/14/01	GRO95	CAH	1
Xylene's	< 1.4	ug/l	1.4	4.8	1	3/14/01	GRO95	CAH	1
Lab Code 5032522C						**Sample Type** Water			
Sample ID MW-3						**Sample Date** 3/9/01			
Inorganic									
General									
Alkalinity as CaCO3	< 1.5	mg/l	1.5	5	1	3/22/01	310.1	JDB	1
Nitrogen (Nitrate-Nitrite)	2.8	mg/l	0.02	0.07	10	3/15/01	300.0	TJW	1
Sulfate	180	mg/l	0.24	0.79	10	3/15/01	300.0	TJW	1

U.S. Analytical Lab

JOHN ZAJAKOWSKI
ENVIROGEN INC
850 HWY 153 STE F
MOSINEE WI 54455

Project # 980273/050
Project Name SEMANKO PROPERTY
Invoice # E32522

Report Date *26-Mar-01*

Analyte	Result	Units	LOD	LOQ	Dil	Run Date	Method	Analyst	QC Code
Lab Code 5032522C						**Sample Type** Water			
Sample ID MW-3						**Sample Date** 3/9/01			
Metals									
Iron	0.36 "J"	mg/l	0.139	0.46	1	3/13/01	6010B	JLA	1
Manganese	0.026 "J"	mg/l	0.017	0.057	1	3/13/01	6010B	JLA	1
Organic									
General									
Gasoline Range Organics	< 100	ug/l	24	76	1	3/14/01	GRO95	CAH	1
PVOC + Naphthalene									
Benzene	< 0.39	ug/l	0.39	1.3	1	3/14/01	GRO95	CAH	1
Ethylbenzene	< 0.4	ug/l	0.4	1.3	1	3/14/01	GRO95	CAH	1
MTBE	< 0.47	ug/l	0.47	1.6	1	3/14/01	GRO95	CAH	1
Naphthalene	< 0.53	ug/l	0.53	1.8	1	3/14/01	GRO95	CAH	1
Toluene	< 0.37	ug/l	0.37	1.2	1	3/14/01	GRO95	CAH	1
1,2,4-Trimethylbenzene	< 0.4	ug/l	0.4	1.3	1	3/14/01	GRO95	CAH	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2.1	1	3/14/01	GRO95	CAH	1
Xylene's	< 1.4	ug/l	1.4	4.8	1	3/14/01	GRO95	CAH	1
Lab Code 5032522D						**Sample Type** Water			
Sample ID MW-2						**Sample Date** 3/9/01			
Organic									
General									
Gasoline Range Organics	< 100	ug/l	24	76	1	3/14/01	GRO95	CAH	1
PVOC + Naphthalene									
Benzene	17	ug/l	0.39	1.3	1	3/14/01	GRO95	CAH	1
Ethylbenzene	2	ug/l	0.4	1.3	1	3/14/01	GRO95	CAH	1
MTBE	< 0.47	ug/l	0.47	1.6	1	3/14/01	GRO95	CAH	1
Naphthalene	< 0.53	ug/l	0.53	1.8	1	3/14/01	GRO95	CAH	1
Toluene	30	ug/l	0.37	1.2	1	3/14/01	GRO95	CAH	1
1,2,4-Trimethylbenzene	2.7	ug/l	0.4	1.3	1	3/14/01	GRO95	CAH	1
1,3,5-Trimethylbenzene	1.1 "J"	ug/l	0.63	2.1	1	3/14/01	GRO95	CAH	1
Xylene's	24	ug/l	1.4	4.8	1	3/14/01	GRO95	CAH	1

U.S. Analytical Lab

JOHN ZAJAKOWSKI
ENVIROGEN INC
850 HWY 153 STE F
MOSINEE WI 54455

Project # 980273/050
Project Name SEMANKO PROPERTY
Invoice # E32522

Report Date *26-Mar-01*

Analyte	Result	Units	LOD	LOQ	Dil	Run Date	Method	Analyst	QC Code
Lab Code 5032522E						**Sample Type** Water			
Sample ID MW-5						**Sample Date** 3/9/01			
Inorganic									
General									
Alkalinity as CaCO3	64	mg/l	1.5	5	1	3/23/01	310.1	JDB	1
Nitrogen (Nitrate-Nitrite)	0.22	mg/l	0.02	0.07	10	3/15/01	300.0	TJW	1
Sulfate	7.1	mg/l	0.24	0.79	10	3/15/01	300.0	TJW	1
Metals									
Iron	10	mg/l	0.139	0.46	1	3/14/01	6010B	JLA	1
Manganese	3.6	mg/l	0.051	0.171	3	3/14/01	6010B	JLA	1
Organic									
General									
Gasoline Range Organics	43000	ug/l	2400	7600	100	3/14/01	GRO95	CAH	1
PVOC + Naphthalene									
Benzene	1500	ug/l	39	130	100	3/14/01	GRO95	CAH	1
Ethylbenzene	1700	ug/l	40	130	100	3/14/01	GRO95	CAH	1
MTBE	< 47	ug/l	47	160	100	3/14/01	GRO95	CAH	1
Naphthalene	340	ug/l	53	180	100	3/14/01	GRO95	CAH	1
Toluene	16000	ug/l	37	120	100	3/14/01	GRO95	CAH	1
1,2,4-Trimethylbenzene	1900	ug/l	40	130	100	3/14/01	GRO95	CAH	1
1,3,5-Trimethylbenzene	600	ug/l	63	210	100	3/14/01	GRO95	CAH	1
Xylene's	10000	ug/l	140	480	100	3/14/01	GRO95	CAH	1
Lab Code 5032522F						**Sample Type** Water			
Sample ID MW-1						**Sample Date** 3/9/01			
Inorganic									
General									
Alkalinity as CaCO3	170	mg/l	1.5	5	1	3/22/01	310.1	JDB	1
Nitrogen (Nitrate-Nitrite)	2.7	mg/l	0.02	0.07	10	3/15/01	300.0	TJW	1
Sulfate	20	mg/l	0.24	0.79	10	3/15/01	300.0	TJW	1
Metals									
Iron	< 0.139	mg/l	0.139	0.46	1	3/13/01	6010B	JLA	1
Manganese	0.30	mg/l	0.017	0.057	1	3/13/01	6010B	JLA	1
Organic									
General									
Gasoline Range Organics	< 100	ug/l	24	76	1	3/14/01	GRO95	CAH	1
PVOC + Naphthalene									

U.S. Analytical Lab

JOHN ZAJAKOWSKI
ENVIROGEN INC
850 HWY 153 STE F
MOSINEE WI 54455

Project # 980273/050
Project Name SEMANKO PROPERTY
Invoice # E32522

Report Date *26-Mar-01*

Analyte	Result	Units	LOD	LOQ	Dil	Run Date	Method	Analyst	QC Code
Lab Code 5032522F						**Sample Type** Water			
Sample ID MW-1						**Sample Date** 3/9/01			
Benzene	< 0.39	ug/l	0.39	1.3	1	3/14/01	GRO95	CAH	1
Ethylbenzene	1.5	ug/l	0.4	1.3	1	3/14/01	GRO95	CAH	1
MTBE	< 0.47	ug/l	0.47	1.6	1	3/14/01	GRO95	CAH	1
Naphthalene	1.5 "J"	ug/l	0.53	1.8	1	3/14/01	GRO95	CAH	1
Toluene	2.4	ug/l	0.37	1.2	1	3/14/01	GRO95	CAH	1
1,2,4-Trimethylbenzene	8.2	ug/l	0.4	1.3	1	3/14/01	GRO95	CAH	1
1,3,5-Trimethylbenzene	2.9	ug/l	0.63	2.1	1	3/14/01	GRO95	CAH	1
Xylene's	12	ug/l	1.4	4.8	1	3/14/01	GRO95	CAH	1
Lab Code 5032522G						**Sample Type** Water			
Sample ID MW-11						**Sample Date** 3/9/01			
Organic									
GRO/PVOC									
Gasoline Range Organics	53000	ug/l	2400	7600	100	3/14/01	GRO95	CAH	1
Benzene	1400	ug/l	39	130	100	3/14/01	GRO95	CAH	1
Ethylbenzene	1900	ug/l	40	130	100	3/14/01	GRO95	CAH	1
MTBE	< 47	ug/l	47	160	100	3/14/01	GRO95	CAH	1
Toluene	16000	ug/l	37	120	100	3/14/01	GRO95	CAH	1
1,2,4-Trimethylbenzene	2300	ug/l	40	130	100	3/14/01	GRO95	CAH	1
1,3,5-Trimethylbenzene	730	ug/l	63	210	100	3/14/01	GRO95	CAH	1
Xylene's	12000	ug/l	140	480	100	3/14/01	GRO95	CAH	1
Lab Code 5032522H						**Sample Type** Water			
Sample ID FIELD						**Sample Date** 3/9/01			
Organic									
PVOC									
Benzene	< 0.39	ug/l	0.39	1.3	1	3/13/01	GRO95	CAH	1
Ethylbenzene	< 0.4	ug/l	0.4	1.3	1	3/13/01	GRO95	CAH	1
MTBE	< 0.47	ug/l	0.47	1.6	1	3/13/01	GRO95	CAH	1
Toluene	< 0.37	ug/l	0.37	1.2	1	3/13/01	GRO95	CAH	1
1,2,4-Trimethylbenzene	< 0.4	ug/l	0.4	1.3	1	3/13/01	GRO95	CAH	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2.1	1	3/13/01	GRO95	CAH	1
Xylene's	< 1.4	ug/l	1.4	4.8	1	3/13/01	GRO95	CAH	1

U.S. Analytical Lab

JOHN ZAJAKOWSKI
ENVIROGEN INC
850 HWY 153 STE F
MOSINEE WI 54455

Project # 980273/050
Project Name SEMANKO PROPERTY
Invoice # E32522

Report Date *26-Mar-01*

Analyte	Result	Units	LOD	LOQ	Dil	Run Date	Method	Analyst	QC Code
Lab Code 5032522I						**Sample Type** Water			
Sample ID TRIP						**Sample Date** 3/9/01			
Organic									
PVOC									
Benzene	< 0.39	ug/l	0.39	1.3	1	3/13/01	GRO95	CAH	1
Ethylbenzene	< 0.4	ug/l	0.4	1.3	1	3/13/01	GRO95	CAH	1
MTBE	< 0.47	ug/l	0.47	1.6	1	3/13/01	GRO95	CAH	1
Toluene	< 0.37	ug/l	0.37	1.2	1	3/13/01	GRO95	CAH	1
1,2,4-Trimethylbenzene	< 0.4	ug/l	0.4	1.3	1	3/13/01	GRO95	CAH	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2.1	1	3/13/01	GRO95	CAH	1
Xylene's	< 1.4	ug/l	1.4	4.8	1	3/13/01	GRO95	CAH	1

LOD Limit of Detection "J" Flag: Analyte detected between LOD and LOQ LOQ Limit of Quantitation

Code	*Comment*
1	All laboratory QC requirements were met for this sample.
46	Chromatogram indicates contamination outside of the specified window.

Authorized Signature

CHAIN OF CUSTODY RECORD

U.S. Analytical Lab
1090 Kennedy Ave. • Kimberly, WI 54136
(920) 735-8295 • FAX 920-739-1738 • 800-490-4902
LAB@USOIL.COM

Rev. Date: 12-17-98

Chain # No 23631

Page 1 of 1

Lab I.D. # 5032552

Account No. : Quote No.: PECFA

Project #: 980273 / 050

Sampler: (signature) Krista Tennessen / Becky Cook

Project (Name / Location): Zemanko Property

Reports To: J. Bajakowski Invoice To: same

Company: Enviogen Inc. Company:

Address: 850 Hwy 153, Suite Address:

City State Zip: Mosinee, WI 54455 City State Zip:

Phone: Phone:

Sample Integrity - To be completed by receiving lab.
Method of Shipment: Dunham Temp. of Temp. Blank. 4 °C On Ice: ____
Cooler seal intact upon receipt: X Yes ___ No Labcoded By: ____

Sample Handling Request

___ Rush Analysis Date Required ____

X Normal Turn Around

Analysis Requested

Lab I.D.	Sample I.D.	Collection Date	Collection Time	No. of Containers Size and Type	Description*	Preservation	DRO (Mod/TPH)	GRO (Mod/TPH)	PVOC (EPA 8021)	BTEX (EPA 8021)	VOC (EPA 8021)	VOC (EPA 8260)	VOC DW (EPA 524.2)	O&G (EPA 413.1)	PAH (EPA 8310)	Pb	Flash Point	Other Analysis: Naphthaline	Alk/Sulfate	Nitrate/Nitrite	Fe/Mn	PID/FID
5032552A	MW-10	3/9/01	900	4-40 ml	GW	HCl		X	X									X				
B	MW-4		915	↓		↓																
C	MW-3		930	4-40ml 1-250 H_2SO_4 1-500 HNO_3 (1-250 NT)		HCl, H_2SO_4, HNO_3													X	X	X	
D	MW-2		945	4-40 ml		HCl																
E	MW-5		1000	4-40ml 1-250 H_2SO_4 1-500 HNO_3 (1-250 NT)		HCl, H_2SO_4, HNO_3													X	X	X	
F	MW-1		1015	↓		↓												X	X	X	X	
G	MW-11		1030	3-40 ml		HCl																
H	Field Blank		1045	2-40 ml																		
I	Trip Blank	X	X	↓		↓																

Department Use Only

Split Samples: Offered ? ____ Yes ____ No

Accepted? ____ Yes ____ No

Accepted By: ____

Comments/ Special Instructions

*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", etc.

- Do not Sample ~~Equipment~~ Field Blank for GRO, but DO Sample MW-11 for GRO.
- MW-5, MW-1 had moderate petroleum odor

Department Use Optional for Soil Samples

Disposition of unused portion of sample

Lab Should:

____ Dispose ____ Retain for ___ days

____ Return ____ Other

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
Krista Tennessen	1715	3/9/01			

Received in Laboratory By: [signature] Time: 10:05 Date: 3/13/01

GREAT LAKES ANALYTICAL

140 East Ryan Road
Oak Creek, Wisconsin 53154

Email: info@glalabs.com
(414) 570-9460 FAX (414) 570-9461

DEC 2 6 2000

December 22, 2000

John Zajakowski
Envirogen - Mosinee
850 Hwy 153, Suite F
Mosinee, WI 54455

RE: 980273

Dear John Zajakowski

Enclosed are the results of analyses for sample(s) received by the laboratory on December 12, 2000. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Andrea Stathas

Andrea Stathas
Project Manager

GREAT LAKES ANALYTICAL

140 East Ryan Road
Oak Creek, Wisconsin 53154

Email: info@glalabs.com
(414) 570-9460 FAX (414) 570-9461

Envirogen - Mosinee	Project:	980273	Sampled: 12/8/00
850 Hwy 153, Suite F	Project Number:	980273	Received: 12/12/00
Mosinee, WI 54455	Project Manager:	John Zajakowski	Reported: 12/22/00 14:07

ANALYTICAL REPORT FOR SAMPLES:

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
MW-1	W012054-01	Water	12/8/00
MW-2	W012054-02	Water	12/8/00
MW-3	W012054-03	Water	12/8/00
MW-4	W012054-04	Water	12/8/00
MW-5	W012054-05	Water	12/8/00
MW-10	W012054-06	Water	12/8/00
MW-11	W012054-07	Water	12/8/00
Field Blank	W012054-08	Water	12/8/00
Trip Blank	W012054-09	Water	12/8/00

Great Lakes Analytical--Oak Creek

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Andrea Stathas, Project Manager

GREAT LAKES ANALYTICAL
140 East Ryan Road
Oak Creek, Wisconsin 53154
Email: info@glalabs.com
(414) 570-9460 FAX (414) 570-9461

Envirogen - Mosinee	Project:	980273	Sampled: 12/8/00
850 Hwy 153, Suite F	Project Number:	980273	Received: 12/12/00
Mosinee, WI 54455	Project Manager:	John Zajakowski	Reported: 12/22/00 14:07

Gasoline Range Organics (GRO) by WDNR GRO
Great Lakes Analytical--Oak Creek

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
MW-1			W012054-01				Water	
Gasoline Range Organics (GRO)	0120036	12/14/00	12/14/00	WDNR GRO	50.0	ND	ug/l	
MW-2			W012054-02				Water	
Gasoline Range Organics (GRO)	0120036	12/14/00	12/14/00	WDNR GRO	50.0	**882**	ug/l	T1,T4
MW-3			W012054-03				Water	
Gasoline Range Organics (GRO)	0120036	12/14/00	12/14/00	WDNR GRO	50.0	ND	ug/l	
MW-4			W012054-04				Water	
Gasoline Range Organics (GRO)	0120036	12/14/00	12/18/00	WDNR GRO	50.0	**994**	ug/l	T15,T2,T4
MW-5			W012054-05				Water	G12
Gasoline Range Organics (GRO)	0120036	12/14/00	12/16/00	WDNR GRO	12500	**61400**	ug/l	T1,T4
MW-10			W012054-06				Water	
Gasoline Range Organics (GRO)	0120036	12/14/00	12/14/00	WDNR GRO	50.0	**398**	ug/l	T1,T4
MW-11			W012054-07				Water	
Gasoline Range Organics (GRO)	0120036	12/14/00	12/16/00	WDNR GRO	50.0	ND	ug/l	
Field Blank			W012054-08				Water	
Gasoline Range Organics (GRO)	0120036	12/14/00	12/14/00	WDNR GRO	50.0	ND	ug/l	
Trip Blank			W012054-09				Water	
Gasoline Range Organics (GRO)	0120036	12/14/00	12/14/00	WDNR GRO	50.0	ND	ug/l	

Great Lakes Analytical--Oak Creek

**Refer to end of report for text of notes and definitions.*

Andrea Stathas, Project Manager

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Envirogen - Mosinee	Project:	980273	Sampled: 12/8/00
850 Hwy 153, Suite F	Project Number:	980273	Received: 12/12/00
Mosinee, WI 54455	Project Manager:	John Zajakowski	Reported: 12/22/00 14:07

Petroleum Volatile Organic Compounds (PVOC) by Method 8021B
Great Lakes Analytical--Oak Creek

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-1			W012054-01				Water	
Benzene	0120036	12/14/00	12/14/00		0.500	ND	ug/l	
Ethylbenzene	"	"	"		5.00	ND	"	
Methyl tert-butyl ether	"	"	"		0.500	ND	"	
Naphthalene	"	"	"		8.00	ND	"	
Toluene	"	"	"		5.00	ND	"	
1,2,4-Trimethylbenzene	"	"	"		5.00	ND	"	
1,3,5-Trimethylbenzene	"	"	"		5.00	ND	"	
Total Xylenes	"	"	"		5.00	**7.31**	"	
Surrogate: 4-BFB	"	"	"	*80.0-120*		*101*	%	
MW-2			W012054-02				Water	
Benzene	0120036	12/14/00	12/14/00		0.500	**162**	ug/l	
Ethylbenzene	"	"	"		5.00	**28.7**	"	
Methyl tert-butyl ether	"	"	"		0.500	ND	"	
Naphthalene	"	"	"		8.00	**11.2**	"	
Toluene	"	"	12/16/00		50.0	**228**	"	G12
1,2,4-Trimethylbenzene	"	"	12/14/00		5.00	**25.8**	"	
1,3,5-Trimethylbenzene	"	"	"		5.00	**8.12**	"	
Total Xylenes	"	"	"		5.00	**173**	"	
Surrogate: 4-BFB	"	"	"	*80.0-120*		*91.0*	%	
MW-3			W012054-03				Water	
Benzene	0120036	12/14/00	12/14/00		0.500	ND	ug/l	
Ethylbenzene	"	"	"		5.00	ND	"	
Methyl tert-butyl ether	"	"	"		0.500	ND	"	
Naphthalene	"	"	"		8.00	ND	"	
Toluene	"	"	"		5.00	ND	"	
1,2,4-Trimethylbenzene	"	"	"		5.00	ND	"	
1,3,5-Trimethylbenzene	"	"	"		5.00	ND	"	
Total Xylenes	"	"	"		5.00	ND	"	
Surrogate: 4-BFB	"	"	"	*80.0-120*		*104*	%	
MW-4			W012054-04				Water	
Benzene	0120036	12/14/00	12/18/00		0.500	**13.8**	ug/l	
Ethylbenzene	"	"	"		5.00	ND	"	
Methyl tert-butyl ether	"	"	"		0.500	**2.01**	"	
Naphthalene	"	"	"		8.00	**27.4**	"	
Toluene	"	"	"		5.00	ND	"	

Great Lakes Analytical--Oak Creek

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Petroleum Volatile Organic Compounds (PVOC) by Method 8021B
Great Lakes Analytical--Oak Creek

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-4 (continued)			W012054-04				Water	
1,2,4-Trimethylbenzene	0120036	12/14/00	12/18/00		5.00	ND	ug/l	
1,3,5-Trimethylbenzene	"	"	"		5.00	ND	"	
Total Xylenes	"	"	"		5.00	ND	"	
Surrogate: 4-BFB	"	"	"	*80.0-120*		*94.5*	%	
MW-5			W012054-05				Water	G12
Benzene	0120036	12/14/00	12/16/00		125	**2790**	ug/l	
Ethylbenzene	"	"	"		1250	**3100**	"	
Methyl tert-butyl ether	"	"	"		125	**213**	"	
Naphthalene	"	"	"		2000	ND	"	
Toluene	"	"	"		1250	**26300**	"	
1,2,4-Trimethylbenzene	"	"	"		1250	**2960**	"	
1,3,5-Trimethylbenzene	"	"	"		1250	ND	"	
Total Xylenes	"	"	"		1250	**17900**	"	
Surrogate: 4-BFB	"	"	"	*80.0-120*		*100*	%	
MW-11			W012054-07				Water	
Benzene	0120036	12/14/00	12/16/00		0.500	ND	ug/l	
Ethylbenzene	"	"	"		5.00	ND	"	
Methyl tert-butyl ether	"	"	"		0.500	ND	"	
Toluene	"	"	"		5.00	ND	"	
1,2,4-Trimethylbenzene	"	"	"		5.00	ND	"	
1,3,5-Trimethylbenzene	"	"	"		5.00	ND	"	
Total Xylenes	"	"	"		5.00	**7.16**	"	
Surrogate: 4-BFB	"	"	"	*80.0-120*		*95.0*	%	
Field Blank			W012054-08				Water	
Benzene	0120036	12/14/00	12/14/00		0.500	ND	ug/l	
Ethylbenzene	"	"	"		5.00	ND	"	
Methyl tert-butyl ether	"	"	"		0.500	ND	"	
Toluene	"	"	"		5.00	ND	"	
1,2,4-Trimethylbenzene	"	"	"		5.00	ND	"	
1,3,5-Trimethylbenzene	"	"	"		5.00	ND	"	
Total Xylenes	"	"	"		5.00	ND	"	
Surrogate: 4-BFB	"	"	"	*80.0-120*		*98.5*	%	
Trip Blank			W012054-09				Water	
Benzene	0120036	12/14/00	12/14/00		0.500	ND	ug/l	

Great Lakes Analytical--Oak Creek

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Petroleum Volatile Organic Compounds (PVOC) by Method 8021B
Great Lakes Analytical--Oak Creek

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
Trip Blank (continued)			**W012054-09**				**Water**	
Ethylbenzene	0120036	12/14/00	12/14/00		5.00	ND	ug/l	
Methyl tert-butyl ether	"	"	"		0.500	ND	"	
Toluene	"	"	"		5.00	ND	"	
1,2,4-Trimethylbenzene	"	"	"		5.00	ND	"	
1,3,5-Trimethylbenzene	"	"	"		5.00	ND	"	
Total Xylenes	"	"	"		5.00	ND	"	
Surrogate: 4-BFB	"	"	"	*80.0-120*		*98.0*	*%*	

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WDNR Volatile Organic Compounds by Method 8021
Great Lakes Analytical--Oak Creek

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-10			W012054-06				Water	G1,G15
Benzene	0120039	12/15/00	12/17/00		0.500	**59.2**	ug/l	
Bromobenzene	"	"	12/19/00		5.00	ND	"	
Bromodichloromethane	"	"	"		0.500	ND	"	
n-Butylbenzene	"	"	"		5.00	ND	"	
sec-Butylbenzene	"	"	"		5.00	ND	"	
tert-Butylbenzene	"	"	"		5.00	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		5.00	ND	"	
Chloroethane	"	"	"		5.00	ND	"	
Chloroform	"	"	"		0.140	ND	"	
Chloromethane	"	"	"		0.600	ND	"	
2-Chlorotoluene	"	"	"		5.00	ND	"	
4-Chlorotoluene	"	"	"		5.00	ND	"	
Dibromochloromethane	"	"	"		5.00	ND	"	
1,2-Dibromo-3-chloropropane	"	"	"		0.390	ND	"	
1,2-Dibromoethane	"	"	"		0.380	ND	"	
1,2-Dichlorobenzene	"	"	"		5.00	ND	"	
1,3-Dichlorobenzene	"	"	"		5.00	ND	"	
1,4-Dichlorobenzene	"	"	"		5.00	ND	"	
Dichlorodifluoromethane	"	"	"		5.00	ND	"	
1,1-Dichloroethane	"	"	"		5.00	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		5.00	ND	"	
trans-1,2-Dichloroethene	"	"	"		5.00	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
1,3-Dichloropropane	"	"	"		5.00	ND	"	
2,2-Dichloropropane	"	"	"		5.00	ND	"	
Di-isopropyl ether	"	"	"		5.00	**8.21**	"	
Ethylbenzene	"	"	"		5.00	ND	"	
Hexachlorobutadiene	"	"	"		10.0	ND	"	
Isopropylbenzene	"	"	"		5.00	ND	"	
p-Isopropyltoluene	"	"	"		5.00	ND	"	
Methylene chloride	"	"	"		0.530	ND	"	
Methyl tert-butyl ether	"	"	"		0.500	ND	"	
Naphthalene	"	"	"		8.00	**16.8**	"	
n-Propylbenzene	"	"	"		5.00	**5.49**	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.350	ND	"	

Great Lakes Analytical--Oak Creek

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WDNR Volatile Organic Compounds by Method 8021
Great Lakes Analytical--Oak Creek

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-10 (continued)			W012054-06				Water	G1,G15
Tetrachloroethene	0120039	12/15/00	12/19/00		0.500	ND	ug/l	
Toluene	"	"	"		5.00	ND	"	
1,2,3-Trichlorobenzene	"	"	"		10.0	ND	"	
1,2,4-Trichlorobenzene	"	"	"		10.0	ND	"	
1,1,1-Trichloroethane	"	"	"		5.00	ND	"	
1,1,2-Trichloroethane	"	"	"		0.160	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		5.00	ND	"	
1,2,4-Trimethylbenzene	"	"	"		5.00	ND	"	
1,3,5-Trimethylbenzene	"	"	"		5.00	ND	"	
Vinyl chloride	"	"	"		0.170	ND	"	
Total Xylenes	"	"	"		5.00	**22.1**	"	
Surrogate: 1-Cl-4-FB (ELCD)	"	"	"	*80.0-120*		*106*	%	
Surrogate: 1-Cl-4-FB (PID)	"	"	"	*80.0-120*		*97.0*	"	

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Dissolved Metals by EPA 6000/7000 Series Methods
Great Lakes Analytical

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
MW-1			W012054-01				Water	2
Iron	0120189	12/14/00	12/14/00	EPA 6010B	0.100	ND	mg/l	
Manganese	"	"	"	EPA 6010B	0.0500	**0.378**	"	
MW-3			W012054-03				Water	2
Iron	0120189	12/14/00	12/14/00	EPA 6010B	0.100	ND	mg/l	
Manganese	"	"	"	EPA 6010B	0.0500	ND	"	
MW-5			W012054-05				Water	2
Iron	0120189	12/14/00	12/14/00	EPA 6010B	0.100	**5.42**	mg/l	
Manganese	"	"	"	EPA 6010B	0.0500	**3.15**	"	

Great Lakes Analytical--Oak Creek

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General Chemistry
Great Lakes Analytical

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
MW-1			W012054-01				Water	2
Alkalinity as CaCO3	0120320	12/21/00	12/21/00	EPA 310.1	10.0	**192**	mg/l	
Nitrate/Nitrite-Nitrogen	0120184	12/14/00	12/14/00	EPA 353.2	0.0500	**2.28**	"	
Sulfate as SO4	0120198	10/15/00	12/18/00	EPA 375.2	10.0	**35.4**	"	
MW-3			W012054-03				Water	2
Alkalinity as CaCO3	0120320	12/21/00	12/21/00	EPA 310.1	10.0	**44.0**	mg/l	
Nitrate/Nitrite-Nitrogen	0120184	12/14/00	12/14/00	EPA 353.2	0.100	**2.67**	"	G12
Sulfate as SO4	0120198	10/15/00	12/18/00	EPA 375.2	10.0	**35.4**	"	
MW-5			W012054-05				Water	2
Alkalinity as CaCO3	0120320	12/21/00	12/21/00	EPA 310.1	10.0	**98.0**	mg/l	
Nitrate/Nitrite-Nitrogen	0120184	12/14/00	12/14/00	EPA 353.2	0.0500	ND	"	
Sulfate as SO4	0120198	10/15/00	12/18/00	EPA 375.2	50.0	**165**	"	G12

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Mosinee, WI 54455	Project Manager:	John Zajakowski	Reported: 12/22/00 14:07

Gasoline Range Organics (GRO) by WDNR GRO/Quality Control
Great Lakes Analytical--Oak Creek

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0120036	**Date Prepared: 12/14/00**					**Extraction Method: EPA 5030B (P/T)**				
Blank	0120036-BLK1									
Gasoline Range Organics (GRO)	12/15/00			**ND**	ug/l	**50.0**				
LCS	0120036-BS1									
Gasoline Range Organics (GRO)	12/15/00	200		192	ug/l	80.0-120	96.0			
Matrix Spike	0120036-MS1		W012054-03							
Gasoline Range Organics (GRO)	12/15/00	200	ND	181	ug/l	72.9-129	**90.5**			
Matrix Spike Dup	0120036-MSD1		W012054-03							
Gasoline Range Organics (GRO)	12/15/00	200	ND	186	ug/l	72.9-129	**93.0**	23.3	**2.72**	

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Mosinee, WI 54455	Project Manager:	John Zajakowski	Reported: 12/22/00 14:07

Petroleum Volatile Organic Compounds (PVOC) by Method 8021B/Quality Control
Great Lakes Analytical--Oak Creek

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0120036	**Date Prepared: 12/14/00**					**Extraction Method: EPA 5030B (P/T)**				
Blank	**0120036-BLK1**									
Benzene	12/15/00			**ND**	ug/l	**0.500**				
Ethylbenzene	"			**ND**	"	**5.00**				
Methyl tert-butyl ether	"			**ND**	"	**0.500**				
Naphthalene	"			**ND**	"	**8.00**				
Toluene	"			**ND**	"	**5.00**				
1,2,4-Trimethylbenzene	"			**ND**	"	**5.00**				
1,3,5-Trimethylbenzene	"			**ND**	"	**5.00**				
Total Xylenes	"			**ND**	"	**5.00**				
Surrogate: 4-BFB	"	*20.0*		*17.8*	"	*80.0-120*	*89.0*			
LCS	**0120036-BS1**									
Benzene	12/15/00	20.0		20.0	ug/l	85.0-115	100			
Ethylbenzene	"	20.0		19.8	"	85.0-115	99.0			
Methyl tert-butyl ether	"	20.0		20.9	"	85.0-115	104			
Naphthalene	"	20.0		22.9	"	85.0-115	114			
Toluene	"	20.0		20.7	"	85.0-115	104			
1,2,4-Trimethylbenzene	"	20.0		19.8	"	85.0-115	99.0			
1,3,5-Trimethylbenzene	"	20.0		20.1	"	85.0-115	101			
Total Xylenes	"	60.0		60.6	"	85.0-115	101			
Surrogate: 4-BFB	"	*20.0*		*19.1*	"	*80.0-120*	*95.5*			

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Mosinee, WI 54455	Project Manager: John Zajakowski	Reported: 12/22/00 14:07

Notes and Definitions

#	Note
G1	The recovery of one or more analytes in the matrix QC (MS/MSD) associated with this sample is above the laboratory's established acceptance criteria. Refer to the included QC reports for more detail.
G12	The reporting limit of this sample/analyte is elevated due to sample matrix and/or other effects.
G15	The relative percent difference (RPD) of one or more analytes in the matrix QC (MS/MSD) associated with this sample is above the laboratory's established acceptance limits. Refer to the included QC reports for more detail.
T1	Gas Pattern
T15	Late Elevated Baseline
T2	Late Peaks
T4	Gas Range
1	The method blank associated with this sample contains 10.9 mg/l of this analyte.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
Recov.	Recovery
RPD	Relative Percent Difference
2	This sample was analyzed by Great Lakes Analytical in Buffalo Grove, Illinois, WDNR certification # 999917160.

Great Lakes Analytical--Oak Creek

Andrea Stathas

Andrea Stathas, Project Manager

GREAT LAKES ANALYTICAL

CHAIN OF CUSTODY REPORT

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(847) 808-7766
FAX (847) 808-7772

20725 Watertown Road
Brookfield, WI 53501
(414) 798-1030
FAX (414) 798-1066

Client: Enviroxym, Inc.
Address: 550 Hwy 153, Ste F
Mosinee, WI 54455
Report to:
Phone #: ( )
Fax #: ( )

Bill To: SAME (§)
Address:
State & WI
Program: PECFA
Phone #: ( )
Fax #: ( )

TAT: 5 DAY 4 DAY 3 DAY 2 DAY 1 DAY < 24 HRS.
DATE RESULTS NEEDED:
TEMPERATURE UPON RECEIPT: ICE
AIR BILL NO.

Project: Semanko Property - 980273
Sampler: Krista Tennessen
PO/Quote #:

	FIELD ID, LOCATION	DATE COLLECTED	TIME COLLECTED	SAMPLE MATRIX	PRESERVATIVES	NO. CONTAINERS	TYPE CONTAINERS	GRO	PVOC	VOC (8260)	MTBE	Nitrate/Nitrite	Fe/Mn	Naph	1,2-EDB			SAMPLE CONTROL: CRACKED/BROKEN	SAMPLE CONTROL: IMPROPERLY SEALED	SAMPLE CONTROL: GOOD CONDITION	LABORATORY ID NUMBER
1	MW-1	12/6/00	0915	H_2O	HCl, HNO_3, H_2SO_4	7	40ml 500ml	X	X		X	X	X	X							WC12054-01
2	MW-2		0845		HCl	4	40ml														-02
3	MW-3		0830		HCl, HNO_3, H_2SO_4	7	40ml 500ml				X	X	X								-03
4	MW-4		0815		HCl	4	40ml														-04
5	MW-5		0900		HCl, HNO_3, H_2SO_4	7	40ml 500ml				X	X	X	X							-05
6	MW-10		0800		HCl	4	40ml			X											-06
7	MW-11		0930			3			X												-07
8	Field Blank		0930			2			X												-08
9	Trip Blank		~~1200~~ X			2			X												-09
10																					

RELINQUISHED	RECEIVED	RELINQUISHED	RECEIVED
12/6/00 1546	12-12-00		
RELINQUISHED	RECEIVED	RELINQUISHED	RECEIVED

COMMENTS:

PAGE 1 OF 1

JG958198

GREAT LAKES ANALYTICAL

140 East Ryan Road
Oak Creek, Wisconsin 53154

Email: info@glalabs.com
(414) 570-9460 FAX (414) 570-9461

SEP 18 2000

September 14, 2000

John Zajakowski
Envirogen - Mosinee
850 Hwy 153, Suite F
Mosinee, WI 54455

RE: 980273

Dear John Zajakowski

Enclosed are the results of analyses for sample(s) received by the laboratory on August 31, 2000. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Andrea Stathas
Project Manager

GREAT LAKES ANALYTICAL

140 East Ryan Road
Oak Creek, Wisconsin 53154

Email: info@glalabs.com
(414) 570-9460 FAX (414) 570-9461

Envirogen - Mosinee	Project:	980273	Sampled: 8/29/00
850 Hwy 153, Suite F	Project Number:	980273	Received: 8/31/00
Mosinee, WI 54455	Project Manager:	John Zajakowski	Reported: 9/14/00 13:15

ANALYTICAL REPORT FOR SAMPLES:

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
MW-1	W008194-01	Water	8/29/00
MW-2	W008194-02	Water	8/29/00
MW-3	W008194-03	Water	8/29/00
MW-4	W008194-04	Water	8/29/00
MW-5	W008194-05	Water	8/29/00
Decon	W008194-06	Water	8/29/00
Trip Blank	W008194-07	Water	8/29/00
MW-50	W008194-08	Water	8/29/00

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Andrea Stathas, Project Manager

GREAT LAKES ANALYTICAL
140 East Ryan Road
Oak Creek, Wisconsin 53154
Email: info@glalabs.com
(414) 570-9460 FAX (414) 570-9461

Envirogen - Mosinee	Project:	980273	Sampled: 8/29/00
850 Hwy 153, Suite F	Project Number:	980273	Received: 8/31/00
Mosinee, WI 54455	Project Manager:	John Zajakowski	Reported: 9/14/00 13:15

Gasoline Range Organics (GRO) by WDNR GRO
Great Lakes Analytical--Oak Creek

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
MW-1			**W008194-01**				**Water**	
Gasoline Range Organics (GRO)	0090016	9/6/00	9/8/00	WDNR GRO	50.0	ND	ug/l	
MW-2			**W008194-02**				**Water**	
Gasoline Range Organics (GRO)	0090016	9/6/00	9/8/00	WDNR GRO	50.0	**530**	ug/l	T13,T4
MW-3			**W008194-03**				**Water**	
Gasoline Range Organics (GRO)	0090016	9/6/00	9/8/00	WDNR GRO	50.0	ND	ug/l	
MW-4			**W008194-04**				**Water**	
Gasoline Range Organics (GRO)	0090016	9/6/00	9/8/00	WDNR GRO	50.0	**342**	ug/l	T7
MW-5			**W008194-05**				**Water**	**G12**
Gasoline Range Organics (GRO)	0090016	9/6/00	9/8/00	WDNR GRO	5000	**82200**	ug/l	T14,T4
Decon			**W008194-06**				**Water**	
Gasoline Range Organics (GRO)	0090016	9/6/00	9/7/00	WDNR GRO	50.0	ND	ug/l	
Trip Blank			**W008194-07**				**Water**	
Gasoline Range Organics (GRO)	0090016	9/6/00	9/7/00	WDNR GRO	50.0	ND	ug/l	
MW-50			**W008194-08**				**Water**	**G12**
Gasoline Range Organics (GRO)	0090016	9/6/00	9/8/00	WDNR GRO	2500	**72100**	ug/l	T14,T4

GREAT LAKES ANALYTICAL
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Envirogen - Mosinee	Project:	980273	Sampled: 8/29/00
850 Hwy 153, Suite F	Project Number:	980273	Received: 8/31/00
Mosinee, WI 54455	Project Manager:	John Zajakowski	Reported: 9/14/00 13:15

Petroleum Volatile Organic Compounds (PVOC) by Method 8021B
Great Lakes Analytical--Oak Creek

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-1			**W008194-01**				**Water**	
Benzene	0090016	9/6/00	9/8/00		0.500	ND	ug/l	
Ethylbenzene	"	"	"		5.00	ND	"	
Methyl tert-butyl ether	"	"	"		0.500	ND	"	
Naphthalene	"	"	"		8.00	ND	"	
Toluene	"	"	"		5.00	ND	"	
1,2,4-Trimethylbenzene	"	"	"		5.00	ND	"	
1,3,5-Trimethylbenzene	"	"	"		5.00	ND	"	
Total Xylenes	"	"	"		5.00	ND	"	
Surrogate: 4-BFB	"	"	"	*80.0-120*		*96.5*	%	
MW-2			**W008194-02**				**Water**	
Benzene	0090016	9/6/00	9/8/00		0.500	**161**	ug/l	
Ethylbenzene	"	"	"		5.00	**9.83**	"	
Methyl tert-butyl ether	"	"	"		0.500	**3.55**	"	
Naphthalene	"	"	"		8.00	ND	"	
Toluene	"	"	"		5.00	**77.8**	"	
1,2,4-Trimethylbenzene	"	"	"		5.00	**8.30**	"	
1,3,5-Trimethylbenzene	"	"	"		5.00	**5.71**	"	
Total Xylenes	"	"	"		5.00	**73.6**	"	
Surrogate: 4-BFB	"	"	"	*80.0-120*		*94.5*	%	
MW-3			**W008194-03**				**Water**	
Benzene	0090016	9/6/00	9/8/00		0.500	ND	ug/l	
Ethylbenzene	"	"	"		5.00	ND	"	
Methyl tert-butyl ether	"	"	"		0.500	ND	"	
Naphthalene	"	"	"		8.00	ND	"	
Toluene	"	"	"		5.00	ND	"	
1,2,4-Trimethylbenzene	"	"	"		5.00	ND	"	
1,3,5-Trimethylbenzene	"	"	"		5.00	ND	"	
Total Xylenes	"	"	"		5.00	ND	"	
Surrogate: 4-BFB	"	"	"	*80.0-120*		*92.5*	%	
MW-4			**W008194-04**				**Water**	
Benzene	0090016	9/6/00	9/8/00		0.500	**8.64**	ug/l	
Ethylbenzene	"	"	"		5.00	**9.57**	"	
Methyl tert-butyl ether	"	"	"		0.500	**2.60**	"	
Naphthalene	"	"	"		8.00	**14.0**	"	
Toluene	"	"	"		5.00	ND	"	

Great Lakes Analytical--Oak Creek

**Refer to end of report for text of notes and definitions.*

Andrea Stathas, Project Manager

GREAT LAKES ANALYTICAL
140 East Ryan Road
Oak Creek, Wisconsin 53154
Email: info@glalabs.com
(414) 570-9460 FAX (414) 570-9461

Envirogen - Mosinee	Project:	980273	Sampled: 8/29/00
850 Hwy 153, Suite F	Project Number:	980273	Received: 8/31/00
Mosinee, WI 54455	Project Manager:	John Zajakowski	Reported: 9/14/00 13:15

Petroleum Volatile Organic Compounds (PVOC) by Method 8021B
Great Lakes Analytical--Oak Creek

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-4 (continued)			**W008194-04**				**Water**	
1,2,4-Trimethylbenzene	0090016	9/6/00	9/8/00		5.00	**9.41**	ug/l	
1,3,5-Trimethylbenzene	"	"	"		5.00	**17.5**	"	
Total Xylenes	"	"	"		5.00	**32.2**	"	
Surrogate: 4-BFB	"	"	"	*80.0-120*		*99.0*	%	
MW-5			**W008194-05**				**Water**	**G12**
Benzene	0090016	9/6/00	9/8/00		50.0	**2840**	ug/l	
Ethylbenzene	"	"	"		500	**3060**	"	
Methyl tert-butyl ether	"	"	"		50.0	**231**	"	
Naphthalene	"	"	"		800	**1120**	"	
Toluene	"	"	"		2500	**28100**	"	
1,2,4-Trimethylbenzene	"	"	"		500	**2740**	"	
1,3,5-Trimethylbenzene	"	"	"		500	**4000**	"	
Total Xylenes	"	"	"		500	**17800**	"	
Surrogate: 4-BFB	"	"	"	*80.0-120*		*101*	%	
Decon			**W008194-06**				**Water**	
Benzene	0090016	9/6/00	9/7/00		0.500	ND	ug/l	
Ethylbenzene	"	"	"		5.00	ND	"	
Methyl tert-butyl ether	"	"	"		0.500	ND	"	
Toluene	"	"	"		5.00	ND	"	
1,2,4-Trimethylbenzene	"	"	"		5.00	ND	"	
1,3,5-Trimethylbenzene	"	"	"		5.00	ND	"	
Total Xylenes	"	"	"		5.00	ND	"	
Surrogate: 4-BFB	"	"	"	*80.0-120*		*91.0*	%	
Trip Blank			**W008194-07**				**Water**	
Benzene	0090016	9/6/00	9/7/00		0.500	ND	ug/l	
Ethylbenzene	"	"	"		5.00	ND	"	
Methyl tert-butyl ether	"	"	"		0.500	ND	"	
Naphthalene	"	"	"		8.00	ND	"	
Toluene	"	"	"		5.00	ND	"	
1,2,4-Trimethylbenzene	"	"	"		5.00	ND	"	
1,3,5-Trimethylbenzene	"	"	"		5.00	ND	"	
Total Xylenes	"	"	"		5.00	ND	"	
Surrogate: 4-BFB	"	"	"	*80.0-120*		*93.5*	%	

**Refer to end of report for text of notes and definitions.*

Andrea Stathas, Project Manager

GREAT LAKES ANALYTICAL
140 East Ryan Road
Oak Creek, Wisconsin 53154
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Envirogen - Mosinee	Project:	980273	Sampled: 8/29/00
850 Hwy 153, Suite F	Project Number:	980273	Received: 8/31/00
Mosinee, WI 54455	Project Manager:	John Zajakowski	Reported: 9/14/00 13:15

Petroleum Volatile Organic Compounds (PVOC) by Method 8021B
Great Lakes Analytical--Oak Creek

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-50			**W008194-08**				**Water**	**G12**
Benzene	0090016	9/6/00	9/8/00		25.0	**2780**	ug/l	
Ethylbenzene	"	"	"		250	**2980**	"	
Methyl tert-butyl ether	"	"	"		25.0	**235**	"	
Naphthalene	"	"	"		400	**843**	"	
Toluene	"	"	"		2500	**27500**	"	
1,2,4-Trimethylbenzene	"	"	"		250	**2600**	"	
1,3,5-Trimethylbenzene	"	"	"		250	**770**	"	
Total Xylenes	"	"	"		250	**17000**	"	
Surrogate: 4-BFB	"	"	"	*80.0-120*		*108*	%	

**Refer to end of report for text of notes and definitions.*

Andrea Stathas, Project Manager

GREAT LAKES ANALYTICAL
140 East Ryan Road
Oak Creek, Wisconsin 53154
Email: info@glalabs.com
(414) 570-9460 FAX (414) 570-9461

Envirogen - Mosinee	Project:	980273	Sampled: 8/29/00
850 Hwy 153, Suite F	Project Number:	980273	Received: 8/31/00
Mosinee, WI 54455	Project Manager:	John Zajakowski	Reported: 9/14/00 13:15

Dissolved Metals by EPA 6000/7000 Series Methods
Great Lakes Analytical

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
MW-1			W008194-01				Water	1
Iron	0090188	9/12/00	9/12/00	EPA 6010B	0.100	ND	mg/l	
Manganese	"	"	"	EPA 6010B	0.0500	**0.471**	"	
MW-3			W008194-03				Water	1
Iron	0090188	9/12/00	9/12/00	EPA 6010B	0.100	**1.14**	mg/l	
Manganese	"	"	"	EPA 6010B	0.0500	**0.323**	"	
MW-5			W008194-05				Water	1
Iron	0090188	9/12/00	9/12/00	EPA 6010B	0.100	**2.48**	mg/l	
Manganese	"	"	"	EPA 6010B	0.0500	**2.91**	"	

GREAT LAKES ANALYTICAL
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Oak Creek, Wisconsin 53154
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(414) 570-9460 FAX (414) 570-9461

Envirogen - Mosinee	Project:	980273	Sampled: 8/29/00
850 Hwy 153, Suite F	Project Number:	980273	Received: 8/31/00
Mosinee, WI 54455	Project Manager:	John Zajakowski	Reported: 9/14/00 13:15

General Chemistry
Great Lakes Analytical

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
MW-1			W008194-01				Water	1
Alkalinity as CaCO3	0090203	9/13/00	9/13/00	EPA 310.1	10.0	**168**	mg/l	
Nitrate/Nitrite-Nitrogen	0090143	9/11/00	9/11/00	EPA 353.2	0.0500	**2.28**	"	
MW-3			W008194-03				Water	1
Alkalinity as CaCO3	0090203	9/13/00	9/13/00	EPA 310.1	10.0	**72.0**	mg/l	
Nitrate/Nitrite-Nitrogen	0090143	9/11/00	9/11/00	EPA 353.2	0.0500	**1.85**	"	
MW-5			W008194-05				Water	1
Alkalinity as CaCO3	0090203	9/13/00	9/13/00	EPA 310.1	10.0	**148**	mg/l	
Nitrate/Nitrite-Nitrogen	0090143	9/11/00	9/11/00	EPA 353.2	0.0500	**0.0540**	"	

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Envirogen - Mosinee	Project: 980273	Sampled: 8/29/00
850 Hwy 153, Suite F	Project Number: 980273	Received: 8/31/00
Mosinee, WI 54455	Project Manager: John Zajakowski	Reported: 9/14/00 13:15

Notes and Definitions

#	Note
G12	The reporting limit of this sample/analyte is elevated due to sample matrix and/or other effects.
T13	Several Large Peaks
T14	Single Large Peak
T4	Gas Range
T7	Late Gas Range
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
Recov.	Recovery
RPD	Relative Percent Difference
1	This sample was analyzed by Great Lakes Analytical in Buffalo Grove, Illinois, WDNR certification # 999917160.

Great Lakes Analytical--Oak Creek

Andrea Stathas, Project Manager

GREAT LAKES ANALYTICAL

CHAIN OF CUSTODY REPORT

1380 Busch Parkway
Buffalo Grove, IL 60089-4505
(847) 808-7766
FAX (847) 808-7772

20725 Watertown Road
Brookfield, WI 53501
(414) 798-1030
FAX (414) 798-1066

Client: Envirogen
Address: 850 Hwy 153 Suite F
Mosinee, WI 54455
Report to: Victoria Lovdal
Phone #: (715) 693-1750
Fax #: (715) 693-1746

Bill To: Same
Address:
State & Program:
Phone #: ( )
Fax #: ( )

TAT: 5 DAY 4 DAY 3 DAY 2 DAY 1 DAY < 24 HRS.
DATE RESULTS NEEDED: 09/13/00
TEMPERATURE UPON RECEIPT: on ice
AIR BILL NO. Dunhams

Project: 980473
Sampler: JDN
PO/Quote #:

	FIELD ID, LOCATION	DATE COLLECTED	TIME COLLECTED	SAMPLE MATRIX	PRESERVATIVES	NO. CONTAINERS	TYPE CONTAINERS	GRO	PVOC	Aromatics	Nitrate/Nitrite	Fe/Mn	Naphthalene	SAMPLE CONTROL: CRACKED/BROKEN	SAMPLE CONTROL: IMPROPERLY SEALED	SAMPLE CONTROL: GOOD CONDITION	LABORATORY ID NUMBER
1	MW1	08/29	5:00	GW	HCL	3	40ml	X	X				X				W008194-01
2	MW1	08/29	5:00	GW	H_2SO_4	1	125ml				X						
3	MW1	08/29	5:00	GW	HNO_3	1	125ml					X					
4	MW1	08/29	5:00	GW	~~None~~ All	1	250ml			X							
5	MW2	08/29	5:00	GW	HCL	3	40ml	X	X				X				W008194-02
6	MW3	08/29	5:00	GW	HCL	3	40ml	X	X				X				W008194-03
7	MW3	08/29	5:00	GW	H_2SO_4	1	125ml				X						
8	MW3	08/29	5:00	GW	HNO_3	1	125ml					X					
9	MW3	08/29	5:00	GW		1	250ml			X							
10	MW4	08/29	5:00	GW	HCL	3	40ml	X	X				X				W008194-04

RELINQUISHED	RECEIVED	RELINQUISHED	RECEIVED
08/30/00			
RELINQUISHED	RECEIVED	RELINQUISHED	RECEIVED

COMMENTS:

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JG958198

GREAT LAKES ANALYTICAL

CHAIN OF CUSTODY REPORT

1380 Busch Parkway
Buffalo Grove, IL 60089-4505
(847) 808-7766
FAX (847) 808-7772

20725 Watertown Road
Brookfield, WI 53501
(414) 798-1030
FAX (414) 798-1066

Client: Enviroscon
Address: 850 Hwy 153 Suite F
Mosinee, WI 54455
Report to: Victoria Lovejoy | Phone #: (715) 693-1730 | Fax #: (715) 693-1766

Bill To: Same
Address:
State & Program:
Phone #: ( ) Fax #: ( )

TAT: 5 DAY 4 DAY 3 DAY 2 DAY 1 DAY < 24 HRS.
DATE RESULTS NEEDED:
TEMPERATURE UPON RECEIPT:
AIR BILL NO.

Project: 980273
Sampler: JDN
PO/Quote #:

	FIELD ID, LOCATION	DATE COLLECTED	TIME COLLECTED	SAMPLE MATRIX	PRESERVATIVES	NO. CONTAINERS	TYPE CONTAINERS	GRO	PVOC	Alkalinity	Nitrate Nitrite	Fe/Mn	Nap/Methelene	SAMPLE CONTROL: CRACKED/BROKEN	SAMPLE CONTROL: IMPROPERLY SEALED	SAMPLE CONTROL: GOOD CONDITION	LABORATORY ID NUMBER
1	MW5	08/29	5:00	GW	HCL	3	40ml	X	X				X				W0008194-05
2	MW 5	08/29	5:00	GW		1	250ml			X							↓
3	MW5	08/29	5:00	GW	H_2SO_4	1	100ml				X						
4	MW5	08/29	5:00	GW	HNO_3	1	250ml					X					
5	~~MW~~ Con	08/29	5:00	GW	HCL	2	40ml	X	X								W0008194-06
6	~~Trip~~ Trip Blank					2		X	X								↓ -07
7	MW-50					3		X	X				X				W0008194-08
8																	
9																	
10																	

RELINQUISHED	RECEIVED	RELINQUISHED	RECEIVED
08/30/00			
RELINQUISHED	RECEIVED	RELINQUISHED	RECEIVED

COMMENTS:

PAGE OF

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GREAT LAKES ANALYTICAL

140 East Ryan Road
Oak Creek, Wisconsin 53154

Email: info@glalabs.com
(414) 570-9460 FAX (414) 570-9461

JUL 3 1 2000

July 26, 2000

John Zajakowski
Envirogen - Mosinee
850 Hwy 153, Suite F
Mosinee, WI 54455

RE: Semanko Property

Dear John Zajakowski

Enclosed are the results of analyses for sample(s) received by the laboratory on July 11, 2000. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Andrea Stathas
Project Manager

WDNR Cert # 341000330

GREAT LAKES ANALYTICAL

140 East Ryan Road
Oak Creek, Wisconsin 53154

Email: info@glalabs.com
(414) 570-9460 FAX (414) 570-9461

Envirogen - Mosinee	Project:	Semanko Property	Sampled: 7/6/00
850 Hwy 153, Suite F	Project Number:	980273/050	Received: 7/11/00
Mosinee, WI 54455	Project Manager:	John Zajakowski	Reported: 7/26/00 12:03

ANALYTICAL REPORT FOR SAMPLES:

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
GP-1	W007045-01	Water	7/6/00
GP-3	W007045-02	Water	7/6/00
GP-4	W007045-03	Water	7/6/00
GP-5	W007045-04	Water	7/6/00
GP-6	W007045-05	Water	7/6/00
Field Blank	W007045-06	Water	7/6/00
Trip Blank	W007045-07	Water	7/6/00

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Andrea Stathas, Project Manager

GREAT LAKES ANALYTICAL
140 East Ryan Road
Oak Creek, Wisconsin 53154
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Envirogen - Mosinee	Project:	Semanko Property	Sampled: 7/6/00
850 Hwy 153, Suite F	Project Number:	980273/050	Received: 7/11/00
Mosinee, WI 54455	Project Manager:	John Zajakowski	Reported: 7/26/00 12:03

Gasoline Range Organics (GRO) by WDNR GRO
Great Lakes Analytical--Oak Creek

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
GP-1			**W007045-01**				**Water**	**G12**
Gasoline Range Organics (GRO)	0070041	7/13/00	7/14/00	WDNR GRO	5000	**86800**	ug/l	T1,T4
GP-3			**W007045-02**				**Water**	
Gasoline Range Organics (GRO)	0070041	7/13/00	7/13/00	WDNR GRO	50.0	ND	ug/l	
GP-4			**W007045-03**				**Water**	
Gasoline Range Organics (GRO)	0070041	7/13/00	7/13/00	WDNR GRO	50.0	**660**	ug/l	T4
GP-5			**W007045-04**				**Water**	
Gasoline Range Organics (GRO)	0070041	7/13/00	7/13/00	WDNR GRO	50.0	ND	ug/l	
GP-6			**W007045-05**				**Water**	
Gasoline Range Organics (GRO)	0070041	7/13/00	7/14/00	WDNR GRO	50.0	ND	ug/l	
Field Blank			**W007045-06**				**Water**	
Gasoline Range Organics (GRO)	0070041	7/13/00	7/13/00	WDNR GRO	50.0	ND	ug/l	
Trip Blank			**W007045-07**				**Water**	
Gasoline Range Organics (GRO)	0070041	7/13/00	7/13/00	WDNR GRO	50.0	ND	ug/l	

**Refer to end of report for text of notes and definitions.*

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GREAT LAKES ANALYTICAL

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Envirogen - Mosinee	Project:	Semanko Property	Sampled: 7/6/00
850 Hwy 153, Suite F	Project Number:	980273/050	Received: 7/11/00
Mosinee, WI 54455	Project Manager:	John Zajakowski	Reported: 7/26/00 12:03

WDNR Volatile Organic Compounds by Method 8021
Great Lakes Analytical

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
GP-1			**W007045-01**				**Water**	**G1,G15,1**
Benzene	0070343	7/18/00	7/18/00		400	**5820**	ug/l	G12
Bromobenzene	"	"	"		50.0	ND	"	
Bromodichloromethane	"	"	"		5.00	ND	"	
n-Butylbenzene	"	"	"		50.0	ND	"	
sec-Butylbenzene	"	"	"		50.0	ND	"	
tert-Butylbenzene	"	"	"		50.0	ND	"	
Carbon tetrachloride	"	"	"		5.00	ND	"	
Chlorobenzene	"	"	"		50.0	ND	"	
Chloroethane	"	"	"		50.0	ND	"	
Chloroform	"	"	"		1.40	ND	"	
Chloromethane	"	"	"		6.00	ND	"	
2-Chlorotoluene	"	"	"		50.0	ND	"	
4-Chlorotoluene	"	"	"		50.0	ND	"	
Dibromochloromethane	"	"	"		50.0	ND	"	
1,2-Dibromo-3-chloropropane	"	"	"		3.90	ND	"	
1,2-Dibromoethane	"	"	"		3.80	ND	"	
1,2-Dichlorobenzene	"	"	"		50.0	ND	"	
1,3-Dichlorobenzene	"	"	"		50.0	ND	"	
1,4-Dichlorobenzene	"	"	"		50.0	ND	"	
Dichlorodifluoromethane	"	"	"		50.0	ND	"	
1,1-Dichloroethane	"	"	"		50.0	ND	"	
1,2-Dichloroethane	"	"	"		5.00	ND	"	
1,1-Dichloroethene	"	"	"		5.00	ND	"	
cis-1,2-Dichloroethene	"	"	"		50.0	ND	"	
trans-1,2-Dichloroethene	"	"	"		50.0	ND	"	
1,2-Dichloropropane	"	"	"		5.00	ND	"	
1,3-Dichloropropane	"	"	"		50.0	ND	"	
2,2-Dichloropropane	"	"	"		50.0	ND	"	
Di-isopropyl ether	"	"	"		50.0	ND	"	
Ethylbenzene	"	"	"		4000	**4960**	"	G12
Hexachlorobutadiene	"	"	"		100	ND	"	
Isopropylbenzene	"	"	"		50.0	**107**	"	
p-Isopropyltoluene	"	"	"		50.0	ND	"	
Methylene chloride	"	"	"		5.30	**6.77**	"	G14
Methyl tert-butyl ether	"	"	"		5.00	ND	"	
Naphthalene	"	"	"		6400	**24800**	"	G12,G13
n-Propylbenzene	"	"	"		50.0	**336**	"	
1,1,2,2-Tetrachloroethane	"	"	"		3.50	ND	"	

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WDNR Volatile Organic Compounds by Method 8021
Great Lakes Analytical

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
GP-1 (continued)			**W007045-01**				**Water**	**G1,G15,1**
Tetrachloroethene	0070343	7/18/00	7/18/00		5.00	ND	ug/l	
Toluene	"	"	"		4000	**47900**	"	E,G12
1,2,3-Trichlorobenzene	"	"	"		100	ND	"	
1,2,4-Trichlorobenzene	"	"	"		100	ND	"	
1,1,1-Trichloroethane	"	"	"		50.0	ND	"	
1,1,2-Trichloroethane	"	"	"		1.60	ND	"	
Trichloroethene	"	"	"		5.00	ND	"	
Trichlorofluoromethane	"	"	"		50.0	ND	"	
1,2,4-Trimethylbenzene	"	"	"		4000	**45800**	"	E,G12
1,3,5-Trimethylbenzene	"	"	"		4000	**15200**	"	G12
Vinyl chloride	"	"	"		1.70	ND	"	
Total Xylenes	"	"	"		4000	**31200**	"	G12,G14
Surrogate: 4-BFB (ELCD)	"	"	"	*14.4-252*		*NR*	%	
Surrogate: 4-BFB (PID)	"	"	"	*46.1-177*		*NR*	"	*O5*

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WDNR Volatile Organic Compounds by Method 8021
Great Lakes Analytical

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
GP-3			**W007045-02**				**Water**	**G1,G15,1**
Benzene	0070343	7/18/00	7/18/00		0.500	**7.02**	ug/l	G13
Bromobenzene	"	"	"		5.00	ND	"	
Bromodichloromethane	"	"	"		0.500	ND	"	
n-Butylbenzene	"	"	"		5.00	ND	"	
sec-Butylbenzene	"	"	"		5.00	ND	"	
tert-Butylbenzene	"	"	"		5.00	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		5.00	ND	"	
Chloroethane	"	"	"		5.00	ND	"	
Chloroform	"	"	"		0.140	ND	"	
Chloromethane	"	"	"		0.600	ND	"	
2-Chlorotoluene	"	"	"		5.00	ND	"	
4-Chlorotoluene	"	"	"		5.00	ND	"	
Dibromochloromethane	"	"	"		5.00	ND	"	
1,2-Dibromo-3-chloropropane	"	"	"		0.390	ND	"	
1,2-Dibromoethane	"	"	"		0.380	ND	"	
1,2-Dichlorobenzene	"	"	"		5.00	ND	"	
1,3-Dichlorobenzene	"	"	"		5.00	ND	"	
1,4-Dichlorobenzene	"	"	"		5.00	ND	"	
Dichlorodifluoromethane	"	"	"		5.00	ND	"	
1,1-Dichloroethane	"	"	"		5.00	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		5.00	ND	"	
trans-1,2-Dichloroethene	"	"	"		5.00	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
1,3-Dichloropropane	"	"	"		5.00	ND	"	
2,2-Dichloropropane	"	"	"		5.00	ND	"	
Di-isopropyl ether	"	"	"		5.00	ND	"	
Ethylbenzene	"	"	"		5.00	ND	"	
Hexachlorobutadiene	"	"	"		10.0	ND	"	
Isopropylbenzene	"	"	"		5.00	ND	"	
p-Isopropyltoluene	"	"	"		5.00	ND	"	
Methylene chloride	"	"	"		0.530	ND	"	
Methyl tert-butyl ether	"	"	"		0.500	ND	"	
Naphthalene	"	"	"		8.00	ND	"	
n-Propylbenzene	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.350	ND	"	

Great Lakes Analytical--Oak Creek

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WDNR Volatile Organic Compounds by Method 8021
Great Lakes Analytical

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
GP-3 (continued)			**W007045-02**				**Water**	**G1,G15,1**
Tetrachloroethene	0070343	7/18/00	7/18/00		0.500	ND	ug/l	
Toluene	"	"	"		5.00	ND	"	
1,2,3-Trichlorobenzene	"	"	"		10.0	ND	"	
1,2,4-Trichlorobenzene	"	"	"		10.0	ND	"	
1,1,1-Trichloroethane	"	"	"		5.00	ND	"	
1,1,2-Trichloroethane	"	"	"		0.160	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		5.00	ND	"	
1,2,4-Trimethylbenzene	"	"	"		5.00	ND	"	
1,3,5-Trimethylbenzene	"	"	"		5.00	ND	"	
Vinyl chloride	"	"	"		0.170	ND	"	
Total Xylenes	"	"	"		5.00	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	*14.4-252*		*NR*	%	
Surrogate: 4-BFB (PID)	"	"	"	*46.1-177*		*167*	"	

Great Lakes Analytical--Oak Creek

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WDNR Volatile Organic Compounds by Method 8021
Great Lakes Analytical

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
GP-4			**W007045-03**				**Water**	**G1,G15,1**
Benzene	0070343	7/18/00	7/19/00		0.500	**661**	ug/l	E,G13
Bromobenzene	"	"	"		5.00	ND	"	
Bromodichloromethane	"	"	"		0.500	ND	"	
n-Butylbenzene	"	"	"		5.00	ND	"	
sec-Butylbenzene	"	"	"		5.00	ND	"	
tert-Butylbenzene	"	"	"		5.00	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		5.00	ND	"	
Chloroethane	"	"	"		5.00	ND	"	
Chloroform	"	"	"		0.140	ND	"	
Chloromethane	"	"	"		0.600	ND	"	
2-Chlorotoluene	"	"	"		5.00	ND	"	
4-Chlorotoluene	"	"	"		5.00	ND	"	
Dibromochloromethane	"	"	"		5.00	ND	"	
1,2-Dibromo-3-chloropropane	"	"	"		0.390	ND	"	
1,2-Dibromoethane	"	"	"		0.380	ND	"	
1,2-Dichlorobenzene	"	"	"		5.00	ND	"	
1,3-Dichlorobenzene	"	"	"		5.00	ND	"	
1,4-Dichlorobenzene	"	"	"		5.00	ND	"	
Dichlorodifluoromethane	"	"	"		5.00	ND	"	
1,1-Dichloroethane	"	"	"		5.00	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		5.00	ND	"	
trans-1,2-Dichloroethene	"	"	"		5.00	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
1,3-Dichloropropane	"	"	"		5.00	ND	"	
2,2-Dichloropropane	"	"	"		5.00	ND	"	
Di-isopropyl ether	"	"	"		5.00	ND	"	
Ethylbenzene	"	"	"		5.00	**79.0**	"	E
Hexachlorobutadiene	"	"	"		10.0	ND	"	
Isopropylbenzene	"	"	"		5.00	ND	"	
p-Isopropyltoluene	"	"	"		5.00	ND	"	
Methylene chloride	"	"	"		0.530	ND	"	
Methyl tert-butyl ether	"	"	"		0.500	ND	"	
Naphthalene	"	"	"		8.00	**19.8**	"	G13
n-Propylbenzene	"	"	"		5.00	**6.56**	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.350	ND	"	

Great Lakes Analytical--Oak Creek

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WDNR Volatile Organic Compounds by Method 8021
Great Lakes Analytical

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
GP-4 (continued)			**W007045-03**				**Water**	**G1,G15,1**
Tetrachloroethene	0070343	7/18/00	7/19/00		0.500	ND	ug/l	
Toluene	"	"	"		5.00	**1020**	"	E,G13
1,2,3-Trichlorobenzene	"	"	"		10.0	ND	"	
1,2,4-Trichlorobenzene	"	"	"		10.0	ND	"	
1,1,1-Trichloroethane	"	"	"		5.00	ND	"	
1,1,2-Trichloroethane	"	"	"		0.160	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		5.00	ND	"	
1,2,4-Trimethylbenzene	"	"	"		5.00	**50.9**	"	E,G13
1,3,5-Trimethylbenzene	"	"	"		5.00	**12.8**	"	G13
Vinyl chloride	"	"	"		0.170	ND	"	
Total Xylenes	"	"	"		5.00	**400**	"	E,G13
Surrogate: 4-BFB (ELCD)	"	"	"	*14.4-252*		*NR*	*%*	*O5*
Surrogate: 4-BFB (PID)	"	"	"	*46.1-177*		*180*	"	*O5*

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WDNR Volatile Organic Compounds by Method 8021
Great Lakes Analytical

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
GP-5			**W007045-04**				**Water**	**G1,G15,1**
Benzene	0070343	7/18/00	7/19/00		0.500	ND	ug/l	
Bromobenzene	"	"	"		5.00	ND	"	
Bromodichloromethane	"	"	"		0.500	ND	"	
n-Butylbenzene	"	"	"		5.00	ND	"	
sec-Butylbenzene	"	"	"		5.00	ND	"	
tert-Butylbenzene	"	"	"		5.00	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		5.00	ND	"	
Chloroethane	"	"	"		5.00	ND	"	
Chloroform	"	"	"		0.140	ND	"	
Chloromethane	"	"	"		0.600	ND	"	
2-Chlorotoluene	"	"	"		5.00	ND	"	
4-Chlorotoluene	"	"	"		5.00	ND	"	
Dibromochloromethane	"	"	"		5.00	ND	"	
1,2-Dibromo-3-chloropropane	"	"	"		0.390	ND	"	
1,2-Dibromoethane	"	"	"		0.380	ND	"	
1,2-Dichlorobenzene	"	"	"		5.00	ND	"	
1,3-Dichlorobenzene	"	"	"		5.00	ND	"	
1,4-Dichlorobenzene	"	"	"		5.00	ND	"	
Dichlorodifluoromethane	"	"	"		5.00	ND	"	
1,1-Dichloroethane	"	"	"		5.00	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		5.00	ND	"	
trans-1,2-Dichloroethene	"	"	"		5.00	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
1,3-Dichloropropane	"	"	"		5.00	ND	"	
2,2-Dichloropropane	"	"	"		5.00	ND	"	
Di-isopropyl ether	"	"	"		5.00	ND	"	
Ethylbenzene	"	"	"		5.00	ND	"	
Hexachlorobutadiene	"	"	"		10.0	ND	"	
Isopropylbenzene	"	"	"		5.00	ND	"	
p-Isopropyltoluene	"	"	"		5.00	ND	"	
Methylene chloride	"	"	"		0.530	ND	"	
Methyl tert-butyl ether	"	"	"		0.500	ND	"	
Naphthalene	"	"	"		8.00	ND	"	
n-Propylbenzene	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.350	ND	"	

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WDNR Volatile Organic Compounds by Method 8021
Great Lakes Analytical

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
GP-5 (continued)			**W007045-04**				**Water**	**G1,G15,1**
Tetrachloroethene	0070343	7/18/00	7/19/00		0.500	ND	ug/l	
Toluene	"	"	"		5.00	ND	"	
1,2,3-Trichlorobenzene	"	"	"		10.0	ND	"	
1,2,4-Trichlorobenzene	"	"	"		10.0	ND	"	
1,1,1-Trichloroethane	"	"	"		5.00	ND	"	
1,1,2-Trichloroethane	"	"	"		0.160	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		5.00	ND	"	
1,2,4-Trimethylbenzene	"	"	"		5.00	ND	"	
1,3,5-Trimethylbenzene	"	"	"		5.00	ND	"	
Vinyl chloride	"	"	"		0.170	ND	"	
Total Xylenes	"	"	"		5.00	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	*14.4-252*		*NR*	%	
Surrogate: 4-BFB (PID)	"	"	"	*46.1-177*		*138*	"	

Great Lakes Analytical--Oak Creek

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WDNR Volatile Organic Compounds by Method 8021
Great Lakes Analytical

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
GP-6			**W007045-05**				**Water**	**G1,G15,1**
Benzene	0070343	7/18/00	7/19/00		0.500	ND	ug/l	
Bromobenzene	"	"	"		5.00	ND	"	
Bromodichloromethane	"	"	"		0.500	ND	"	
n-Butylbenzene	"	"	"		5.00	ND	"	
sec-Butylbenzene	"	"	"		5.00	ND	"	
tert-Butylbenzene	"	"	"		5.00	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		5.00	ND	"	
Chloroethane	"	"	"		5.00	ND	"	
Chloroform	"	"	"		0.140	ND	"	
Chloromethane	"	"	"		0.600	ND	"	
2-Chlorotoluene	"	"	"		5.00	ND	"	
4-Chlorotoluene	"	"	"		5.00	ND	"	
Dibromochloromethane	"	"	"		5.00	ND	"	
1,2-Dibromo-3-chloropropane	"	"	"		0.390	ND	"	
1,2-Dibromoethane	"	"	"		0.380	ND	"	
1,2-Dichlorobenzene	"	"	"		5.00	ND	"	
1,3-Dichlorobenzene	"	"	"		5.00	ND	"	
1,4-Dichlorobenzene	"	"	"		5.00	ND	"	
Dichlorodifluoromethane	"	"	"		5.00	ND	"	
1,1-Dichloroethane	"	"	"		5.00	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		5.00	ND	"	
trans-1,2-Dichloroethene	"	"	"		5.00	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
1,3-Dichloropropane	"	"	"		5.00	ND	"	
2,2-Dichloropropane	"	"	"		5.00	ND	"	
Di-isopropyl ether	"	"	"		5.00	ND	"	
Ethylbenzene	"	"	"		5.00	ND	"	
Hexachlorobutadiene	"	"	"		10.0	ND	"	
Isopropylbenzene	"	"	"		5.00	ND	"	
p-Isopropyltoluene	"	"	"		5.00	ND	"	
Methylene chloride	"	"	"		0.530	ND	"	
Methyl tert-butyl ether	"	"	"		0.500	ND	"	
Naphthalene	"	"	"		8.00	ND	"	
n-Propylbenzene	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.350	ND	"	

Great Lakes Analytical--Oak Creek

**Refer to end of report for text of notes and definitions.*

Andrea Stathas, Project Manager

GREAT LAKES ANALYTICAL
140 East Ryan Road
Oak Creek, Wisconsin 53154
Email: info@glalabs.com
(414) 570-9460 FAX (414) 570-9461

Envirogen - Mosinee	Project:	Semanko Property	Sampled: 7/6/00
850 Hwy 153, Suite F	Project Number:	980273/050	Received: 7/11/00
Mosinee, WI 54455	Project Manager:	John Zajakowski	Reported: 7/26/00 12:03

WDNR Volatile Organic Compounds by Method 8021
Great Lakes Analytical

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
GP-6 (continued)			**W007045-05**				**Water**	**G1,G15,1**
Tetrachloroethene	0070343	7/18/00	7/19/00		0.500	ND	ug/l	
Toluene	"	"	"		5.00	ND	"	
1,2,3-Trichlorobenzene	"	"	"		10.0	ND	"	
1,2,4-Trichlorobenzene	"	"	"		10.0	ND	"	
1,1,1-Trichloroethane	"	"	"		5.00	ND	"	
1,1,2-Trichloroethane	"	"	"		0.160	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		5.00	ND	"	
1,2,4-Trimethylbenzene	"	"	"		5.00	ND	"	
1,3,5-Trimethylbenzene	"	"	"		5.00	ND	"	
Vinyl chloride	"	"	"		0.170	ND	"	
Total Xylenes	"	"	"		5.00	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	*14.4-252*		*NR*	%	
Surrogate: 4-BFB (PID)	"	"	"	*46.1-177*		*141*	"	

**Refer to end of report for text of notes and definitions.*

Andrea Stathas

Andrea Stathas, Project Manager

GREAT LAKES ANALYTICAL

140 East Ryan Road
Oak Creek, Wisconsin 53154

Email: info@glalabs.com
(414) 570-9460 FAX (414) 570-9461

Envirogen - Mosinee	Project:	Semanko Property	Sampled: 7/6/00
850 Hwy 153, Suite F	Project Number:	980273/050	Received: 7/11/00
Mosinee, WI 54455	Project Manager:	John Zajakowski	Reported: 7/26/00 12:03

WDNR Volatile Organic Compounds by Method 8021
Great Lakes Analytical

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
Field Blank			**W007045-06**				**Water**	**G1,G15,1**
Benzene	0070343	7/18/00	7/19/00		0.500	ND	ug/l	
Bromobenzene	"	"	"		5.00	ND	"	
Bromodichloromethane	"	"	"		0.500	ND	"	
n-Butylbenzene	"	"	"		5.00	ND	"	
sec-Butylbenzene	"	"	"		5.00	ND	"	
tert-Butylbenzene	"	"	"		5.00	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		5.00	ND	"	
Chloroethane	"	"	"		5.00	ND	"	
Chloroform	"	"	"		0.140	ND	"	
Chloromethane	"	"	"		0.600	ND	"	
2-Chlorotoluene	"	"	"		5.00	ND	"	
4-Chlorotoluene	"	"	"		5.00	ND	"	
Dibromochloromethane	"	"	"		5.00	ND	"	
1,2-Dibromo-3-chloropropane	"	"	"		0.390	ND	"	
1,2-Dibromoethane	"	"	"		0.380	ND	"	
1,2-Dichlorobenzene	"	"	"		5.00	ND	"	
1,3-Dichlorobenzene	"	"	"		5.00	ND	"	
1,4-Dichlorobenzene	"	"	"		5.00	ND	"	
Dichlorodifluoromethane	"	"	"		5.00	ND	"	
1,1-Dichloroethane	"	"	"		5.00	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		5.00	ND	"	
trans-1,2-Dichloroethene	"	"	"		5.00	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
1,3-Dichloropropane	"	"	"		5.00	ND	"	
2,2-Dichloropropane	"	"	"		5.00	ND	"	
Di-isopropyl ether	"	"	"		5.00	ND	"	
Ethylbenzene	"	"	"		5.00	ND	"	
Hexachlorobutadiene	"	"	"		10.0	ND	"	
Isopropylbenzene	"	"	"		5.00	ND	"	
p-Isopropyltoluene	"	"	"		5.00	ND	"	
Methylene chloride	"	"	"		0.530	ND	"	
Methyl tert-butyl ether	"	"	"		0.500	ND	"	
Naphthalene	"	"	"		8.00	ND	"	
n-Propylbenzene	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.350	ND	"	

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140 East Ryan Road
Oak Creek, Wisconsin 53154

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Envirogen - Mosinee	Project:	Semanko Property	Sampled: 7/6/00
850 Hwy 153, Suite F	Project Number:	980273/050	Received: 7/11/00
Mosinee, WI 54455	Project Manager:	John Zajakowski	Reported: 7/26/00 12:03

WDNR Volatile Organic Compounds by Method 8021
Great Lakes Analytical

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
Field Blank (continued)			**W007045-06**				**Water**	**G1,G15,1**
Tetrachloroethene	0070343	7/18/00	7/19/00		0.500	ND	ug/l	
Toluene	"	"	"		5.00	ND	"	
1,2,3-Trichlorobenzene	"	"	"		10.0	ND	"	
1,2,4-Trichlorobenzene	"	"	"		10.0	ND	"	
1,1,1-Trichloroethane	"	"	"		5.00	ND	"	
1,1,2-Trichloroethane	"	"	"		0.160	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		5.00	ND	"	
1,2,4-Trimethylbenzene	"	"	"		5.00	ND	"	
1,3,5-Trimethylbenzene	"	"	"		5.00	ND	"	
Vinyl chloride	"	"	"		0.170	ND	"	
Total Xylenes	"	"	"		5.00	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	*14.4-252*		*NR*	%	
Surrogate: 4-BFB (PID)	"	"	"	*46.1-177*		*140*	"	

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140 East Ryan Road
Oak Creek, Wisconsin 53154

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Envirogen - Mosinee	Project:	Semanko Property	Sampled: 7/6/00
850 Hwy 153, Suite F	Project Number:	980273/050	Received: 7/11/00
Mosinee, WI 54455	Project Manager:	John Zajakowski	Reported: 7/26/00 12:03

WDNR Volatile Organic Compounds by Method 8021
Great Lakes Analytical

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
Trip Blank			**W007045-07**				**Water**	**G1,G15,1**
Benzene	0070343	7/18/00	7/19/00		0.500	ND	ug/l	
Bromobenzene	"	"	"		5.00	ND	"	
Bromodichloromethane	"	"	"		0.500	ND	"	
n-Butylbenzene	"	"	"		5.00	ND	"	
sec-Butylbenzene	"	"	"		5.00	ND	"	
tert-Butylbenzene	"	"	"		5.00	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		5.00	ND	"	
Chloroethane	"	"	"		5.00	ND	"	
Chloroform	"	"	"		0.140	ND	"	
Chloromethane	"	"	"		0.600	ND	"	
2-Chlorotoluene	"	"	"		5.00	ND	"	
4-Chlorotoluene	"	"	"		5.00	ND	"	
Dibromochloromethane	"	"	"		5.00	ND	"	
1,2-Dibromo-3-chloropropane	"	"	"		0.390	ND	"	
1,2-Dibromoethane	"	"	"		0.380	ND	"	
1,2-Dichlorobenzene	"	"	"		5.00	ND	"	
1,3-Dichlorobenzene	"	"	"		5.00	ND	"	
1,4-Dichlorobenzene	"	"	"		5.00	ND	"	
Dichlorodifluoromethane	"	"	"		5.00	ND	"	
1,1-Dichloroethane	"	"	"		5.00	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		5.00	ND	"	
trans-1,2-Dichloroethene	"	"	"		5.00	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
1,3-Dichloropropane	"	"	"		5.00	ND	"	
2,2-Dichloropropane	"	"	"		5.00	ND	"	
Di-isopropyl ether	"	"	"		5.00	ND	"	
Ethylbenzene	"	"	"		5.00	ND	"	
Hexachlorobutadiene	"	"	"		10.0	ND	"	
Isopropylbenzene	"	"	"		5.00	ND	"	
p-Isopropyltoluene	"	"	"		5.00	ND	"	
Methylene chloride	"	"	"		0.530	ND	"	
Methyl tert-butyl ether	"	"	"		0.500	ND	"	
Naphthalene	"	"	"		8.00	ND	"	
n-Propylbenzene	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.350	ND	"	

Great Lakes Analytical--Oak Creek

**Refer to end of report for text of notes and definitions.*

Andrea Stathas, Project Manager

GREAT LAKES ANALYTICAL
140 East Ryan Road
Oak Creek, Wisconsin 53154
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Envirogen - Mosinee	Project:	Semanko Property	Sampled:	7/6/00
850 Hwy 153, Suite F	Project Number:	980273/050	Received:	7/11/00
Mosinee, WI 54455	Project Manager:	John Zajakowski	Reported:	7/26/00 12:03

WDNR Volatile Organic Compounds by Method 8021
Great Lakes Analytical

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
Trip Blank (continued)			**W007045-07**				**Water**	**G1,G15,1**
Tetrachloroethene	0070343	7/18/00	7/19/00		0.500	ND	ug/l	
Toluene	"	"	"		5.00	ND	"	
1,2,3-Trichlorobenzene	"	"	"		10.0	ND	"	
1,2,4-Trichlorobenzene	"	"	"		10.0	ND	"	
1,1,1-Trichloroethane	"	"	"		5.00	ND	"	
1,1,2-Trichloroethane	"	"	"		0.160	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		5.00	ND	"	
1,2,4-Trimethylbenzene	"	"	"		5.00	ND	"	
1,3,5-Trimethylbenzene	"	"	"		5.00	ND	"	
Vinyl chloride	"	"	"		0.170	ND	"	
Total Xylenes	"	"	"		5.00	ND	"	
Surrogate: 4-BFB (ELCD)	"	"	"	*14.4-252*		*NR*	*%*	*O5*
Surrogate: 4-BFB (PID)	"	"	"	*46.1-177*		*153*	"	

GREAT LAKES ANALYTICAL

140 East Ryan Road
Oak Creek, Wisconsin 53154

Email: info@glalabs.com
(414) 570-9460 FAX (414) 570-9461

Envirogen - Mosinee	Project:	Semanko Property	Sampled: 7/6/00
850 Hwy 153, Suite F	Project Number:	980273/050	Received: 7/11/00
Mosinee, WI 54455	Project Manager:	John Zajakowski	Reported: 7/26/00 12:03

Notes and Definitions

#	Note
E	This result is estimated. The analysis gave a final result that is above the calibration range.
G1	The recovery of one or more analytes in the matrix QC (MS/MSD) associated with this sample is above the laboratory's established acceptance criteria. Refer to the included QC reports for more detail.
G12	The reporting limit of this sample/analyte is elevated due to sample matrix and/or other effects.
G13	The recovery of this analyte in the check standard is below the method specified acceptance criteria.
G14	The recovery of this analyte in the check standard is above the method specified acceptance criteria.
G15	The relative percent difference (RPD) of one or more analytes in the matrix QC (MS/MSD) associated with this sample is above the laboratory's established acceptance limits. Refer to the included QC reports for more detail.
O5	The recovery for this analyte is above the laboratory's established acceptance criteria.
T1	Gas Pattern
T4	Gas Range
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
Recov.	Recovery
RPD	Relative Percent Difference
1	This sample was analyzed by Great Lakes Analytical in Buffalo Grove, Illinois, WDNR certification # 999917160.

Great Lakes Analytical--Oak Creek

Andrea Stathas

Andrea Stathas, Project Manager

GREAT LAKES ANALYTICAL

CHAIN OF CUSTODY REPORT

1380 Busch Parkway
Buffalo Grove, IL 60089-4505
(847) 808-7766
FAX (847) 808-7772

20725 Watertown Road
Brookfield, WI 53501
(414) 798-1030
FAX (414) 798-1066

Client: Envirogen, Inc
Address: 850 Hwy 153, Suite F
Mosinee, WI 54481
Report to: John Zajutkowski
Phone #: (715)693-1750
Fax #: (715)693-1766

Bill To:
Address: <SAME>
State & Wisconsin
Program: PECFA
Phone #: ( )
Fax #: ( )

TAT: 5 DAY 4 DAY 3 DAY 2 DAY 1 DAY < 24 HRS.
DATE RESULTS NEEDED:
TEMPERATURE UPON RECEIPT:
AIR BILL NO.

Project: Semanko Property 980273/050
Sampler: Shawn Wenzel
PO/Quote #:

	FIELD ID, LOCATION	DATE COLLECTED	TIME COLLECTED	SAMPLE MATRIX	PRESERVATIVES	NO. CONTAINERS	TYPE CONTAINERS	GRO	VOC	SAMPLE CONTROL: CRACKED/BROKEN	SAMPLE CONTROL: IMPROPERLY SEALED	SAMPLE CONTROL: GOOD CONDITION	LABORATORY ID NUMBER
1	GP-1	2/6/00	0950	H_2O	HCl	4	40 ml Vials	X	X				W007045-01
2	GP-3		1140			4							-02
3	GP-4		1245			4							-03
4	GP-5		1355			4							-04
5	GP-6		1450			4							-05
6	Field Blank		1500			2							-06
7	Trip Blank		—			2							-07
8													
9													
10													

RELINQUISHED	RECEIVED	RELINQUISHED	RECEIVED
Shawn Wenzel 7/7/00 0850	7-11-00 1350	7-11-00 1500	

COMMENTS:

PAGE 1 OF 1

JG958198

WISCONSIN
DEPT. OF NATURAL RESOURCES

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Scott A. Humrickhouse, Regional Director

West Central Region Headquarters
1300 W. Clairemont Avenue
PO Box 4001
Eau Claire, Wisconsin 54702-4001
Telephone 715-839-3700
FAX 715-839-6076
TDD 715-839-2786

August 2, 2000

RECEIVED
JUL 16 2001
ERS DIVISION

Site ID #: 03-09-099703
Chippewa County

Ms. Violetta Semanko
407 East MD Street
Cadott, WI 54727

SUBJECT: Change in Project Manager for the Violetta Semanko Residence, 407 East MD Street, Cadott, WI

Dear Ms. Semanko:

Due to a recent reallocation of workload, Patrick Collins will now be responsible for the direct oversight of the above-referenced leaking underground storage tank site. Effective immediately, all correspondence, reports and submittals concerning the above site should be sent to the following address:

Mr. Patrick Collins
Wisconsin Department of Natural Resources
990 Hillcrest, Suite 104
Baldwin, WI 54002

Unless otherwise requested, only one copy of all submittals is needed. If you have any questions or comments, please refer them to Mr. Collins at (715) 684-2914, Ext. 117.

Sincerely,

John R. Grump
Hydrogeologist

c: Victoria Loveland - Envirogen
File

ENVIROGEN

850 Hwy 153, Suite F
Mosinee, WI 54455

Tel: 715/693-1750
Fax: 715/693-1766
www.envirogen.com

RECEIVED
JUL 16 2001
ERS DIVISION

June 21, 2000

RECEIVED
JUN 22 2000
DNR-WCR

Mr. John Grump
Wisconsin Department of Natural Resources
P.O. Box 4001
Eau Claire, Wisconsin 54702-4001

Re: Site Investigation Work Plan for the Semanko Property Site, Cadott, Wisconsin
Envirogen Project Number: 980273
WDNR ID Number: 03-09-099703
PECFA Claim Number: 54727-9359-07

Dear Mr. Grump:

Pursuant to our telephone conversation, and those you have had with Mr. Gerald Johnson, Envirogen, Inc. (Envirogen) is submitting this Site Investigation Work Plan to complete a limited site investigation at the Semanko Property, located at 407 East MD Street in Cadott, Wisconsin. The site is located in the NW1/4, NW1/4, Sec. 5, T28N, R6W, Chippewa County, as illustrated in Figure 1.

One 300-gallon underground storage tank (UST) was utilized on-site for the storage and distribution/resale of unleaded gasoline. The installation date of the tank is unknown; however, it was removed from the site on April 10, 1996. Soil contamination was observed during tank removal activities, but no samples were taken to confirm contamination existed. Therefore, a site investigation is required to be performed at the Semanko Property. Envirogen was contracted to perform a site investigation, and a site walk-over was performed on June 4, 2000. Overhead and underground utilities were observed, potential soil boring locations were noted, and a site map was generated.

Envirogen is proposing to install five Geoprobe borings in the area of the former UST. One will be placed in the former UST basin and the remaining four will surround the basin. Figure 2 illustrates the proposed boring locations. If additional borings are needed, they will be advanced outward in a radial direction from the former UST, in areas accessible with the Geoprobe rig.

Soil samples will be collected from each boring to define the lateral and vertical extent of contamination. Borings will be advanced to an approximate depth of 20 feet below land surface or depth to groundwater. Select samples will be submitted to a state-certified laboratory for analysis of petroleum volatile organic

ENVIROGEN

compounds and gasoline range organics (GRO). If groundwater is encountered, groundwater samples will be collected and submitted to a state-certified laboratory for analysis of volatile organic compounds and GRO. If, upon review of the groundwater analytical results, site conditions warrant installation of groundwater monitoring wells, Envirogen will obtain bids from contractors and, at a later date, install the necessary wells for definition of potential groundwater contamination. Once all the necessary data have been obtained and reviewed, Envirogen will provide recommendations for future work at the site, if necessary, or recommend case closure.

Envirogen is currently obtaining bids to perform the Geoprobe investigation. Once the bids are received, the work will be scheduled. Envirogen anticipates the soil borings will be advanced in late June or early July 2000.

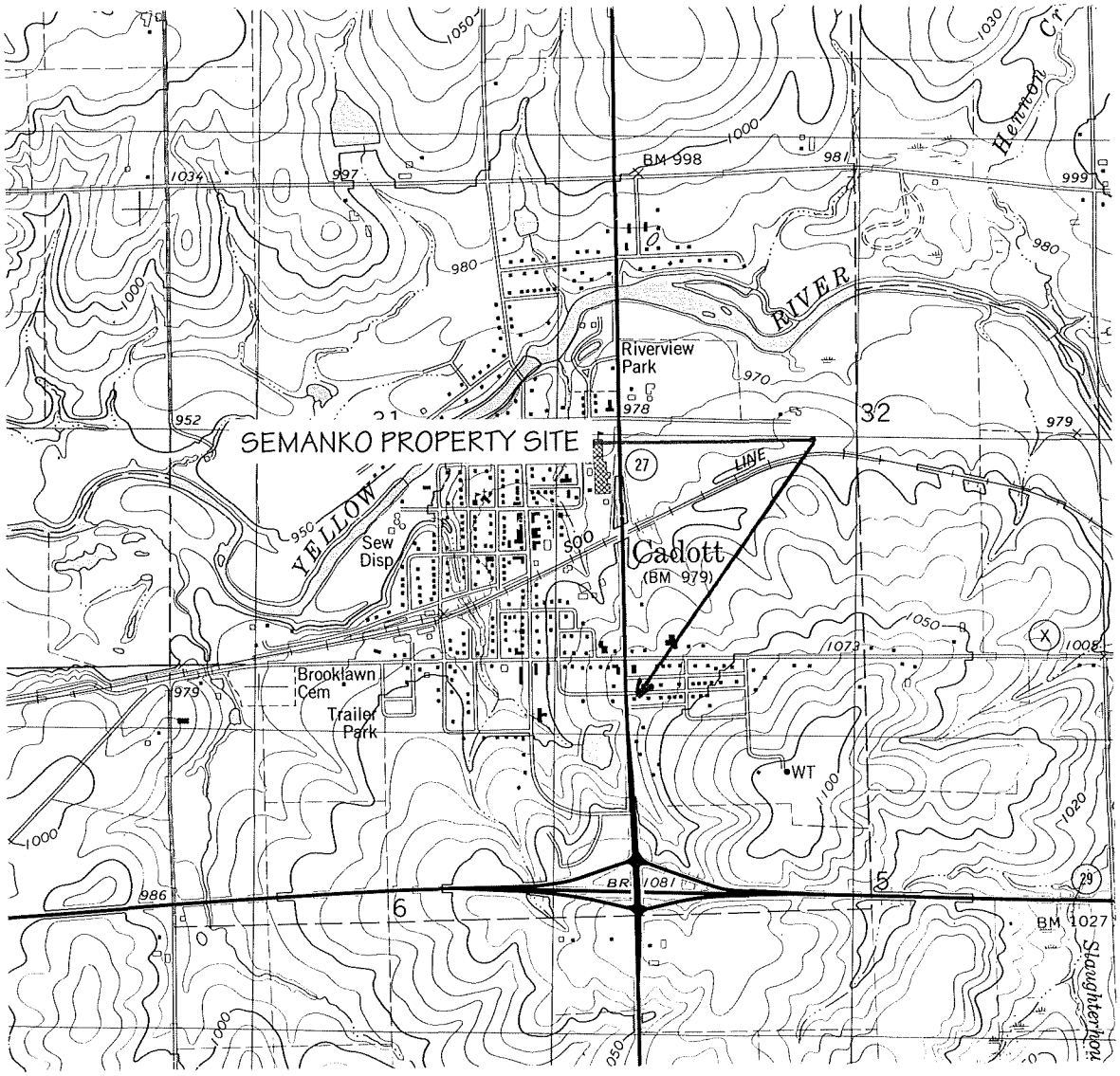
If you have any questions regarding the site or require additional information, please do not hesitate to contact me at (715) 693-1750.

Sincerely,
ENVIROGEN, INC.

Victoria L. Loveland

Victoria L. Loveland
Senior Geological Engineer/Hydrogeologist

cc(w/enc): Mrs. Violetta Semanko, 407 East MD Street, Cadott, WI 54727



(USGS 1979)
CADOTT QUADRANGLE

SCALE
1:24000

1/2 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 10 FEET

N

LOCATION

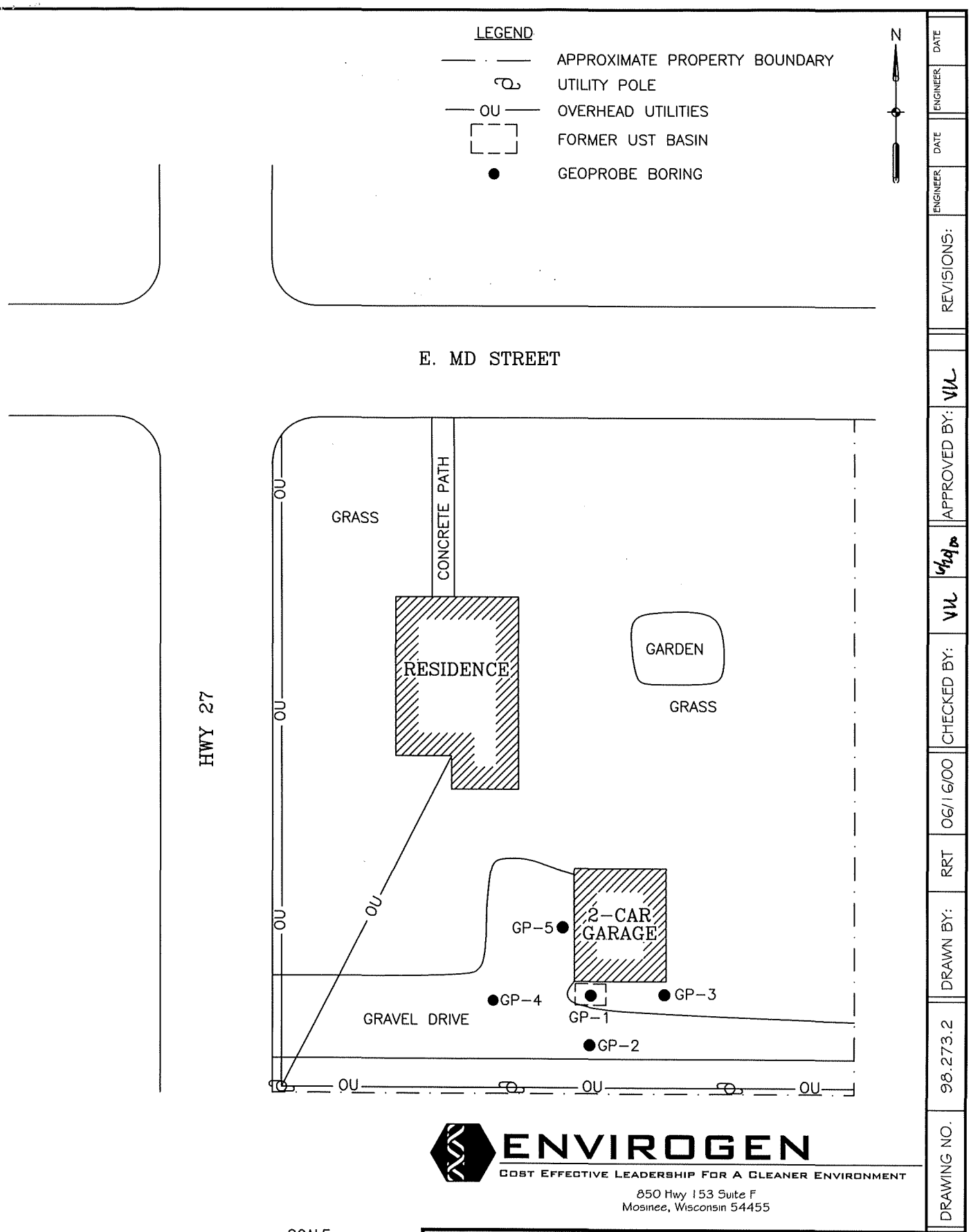
ENVIROGEN

COST EFFECTIVE LEADERSHIP FOR A CLEANER ENVIRONMENT

850 Hwy 153 Suite F
Mosinee, Wisconsin 54455

SITE LOCATION MAP SEMANKO PROPERTY SITE CADOTT, WISCONSIN	FIGURE NO. 1

DRAWING NO.	98.151.1
DRAWN BY:	RRT
DATE	3/11/99
CHECKED BY:	VW
APPROVED BY:	VW 6/29/99
REVISIONS:	
ENGINEER	
DATE	
ENGINEER	
DATE	



ENVIROGEN

COST EFFECTIVE LEADERSHIP FOR A CLEANER ENVIRONMENT

850 Hwy 153 Suite F
Mosinee, Wisconsin 54455

SCALE

0 30'

PROPOSED GEOPROBE BORING LOCATIONS

SEMANKO PROPERTY SITE
CADOTT, WISCONSIN

FIGURE NO. 2

DRAWING NO.	98.273.2
DRAWN BY:	RRT
	06/16/00
CHECKED BY:	VL
	Hajo
APPROVED BY:	VL
REVISIONS:	
ENGINEER	
DATE	
ENGINEER	
DATE	

7 - 7:15

TELEPHONE LOG

RECEIVED
JUL 16 2001
ERS DIVISION

DATE/TIME: 5/6/96

~~1.) Tim Johnson~~ - Braun Intertec - Spill Fax for
LM 5/6/96 11:05 ⟷ (612) 683-8889 800 279-2362
~~2.) Ron Johnson~~ 832-0903 → Insurance Company. Ext. 8911 Claims for Truckers
~~3) Evelton Murphy~~ - 792-2022 Again ⟷ Home By 4:00 Hager City well has TCE. Public
*4) ~~John Finken~~ 836-5485 9:15 a.m. *
rets. your call. { Sheldon Maw - DILHR 266-0956 } { registration - 267-1384 Karine Bleck }
~~*~~ 5) Violetta Semanko ⟷ 289-4612 (Tank Inventory form.) 9:35 a.m.
please call - LUST - no funds - unable to do clean-up
773-0607 Dick Marx - call re - register tank (Jeffrey Fredricks 3/2/94)
~~6) Scott Mentink~~ - Koch Refineries - underground
Mentink sump tank - Eau Claire Site
Dismantling propane tank.

~~7) Al Bishop Cedar~~ 800-472-7372 11:45 a.m.

6/26/96 Spoke w/ Violetta Semanko - she has 2 proposals - looking for a third. Mike Neal at Advent changed her inventory form to commercial and requested eligibility. Other proposal from Tony at ECCI (Wausau) is looking into funding.

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Donald R. Winter, District Director

Western District Headquarters
1300 W. Clairemont Avenue
PO Box 4001
Eau Claire, WI 54702-4001
TELEPHONE 715-839-3700
FAX 715-839-6076/1605
TTY 715-839-2786

April 18, 1996

RECEIVED
JUL 16 2001
ERS DIVISION

File Ref: 4440
03-09-099703

Ms. Violetta Semanko
407 E. MD Street
Cadott, WI 54727

SUBJECT: **Soil Contamination at the Violetta Semanko Residence Located at 407 E. MD Street, Cadott, WI**

Dear Ms. Semanko:

The Department of Natural Resources has been notified that petroleum contamination was discovered during a tank closure site assessment at the above location. The purpose of this letter is threefold: 1. to inform you of your legal responsibilities under State Law; 2. to inform you of what you must do to investigate and clean up the contamination; 3. to provide you with information about environmental cleanups, the Department of Natural Resources and the state funded cleanup program (PECFA).

Legal Responsibilities:

The Hazardous Substances Spills Law, section 144.76(3), Wisconsin Statute, states:

> RESPONSIBILITY. A person who possesses or controls a hazardous substance which is discharged or who causes the discharge of a hazardous substance shall take the actions necessary to restore the environment to the extent practicable and minimize the harmful effects from the discharge to the air, lands, or waters of the state.

Because a hazardous substance is contaminating the soil, and possibly the groundwater, you are responsible for restoring the environment. This will include investigating the nature and extent of soil and groundwater contamination. Then you must clean up the contaminated soils and groundwater.

Required Actions:

Because petroleum contamination may spread in the environment, your quick response is important. Quick action may lessen damage to your property and reduce your costs of investigating and cleaning up the contamination. It is important for you to keep us informed of the actions you plan to take. We have established this time frame to help you start and keep the cleanup process moving:

1. Within 30 days of receiving this letter, you must hire an environmental consultant and have them submit written verification to this office that they have been hired to address this problem.

2. Within 60 days of receiving this letter, your consultant must submit a work plan and timetable for conducting the investigation. NR 716, Wisconsin Administrative Code, contains these work plan requirements.

Because of the number of sites which I oversee, I will not be able to review each plan and report at every stage in your investigation and cleanup. You still need to conduct the investigation and cleanup in a timely fashion. Your consultant can provide you with guidance on how to meet Wisconsin's cleanup requirements.

The Cleanup Process, the DNR, and PECFA:

The DNR regulates the cleanup of petroleum contamination. Before your site can be cleaned up, an investigation must first be conducted to characterize the contamination and determine its extent. This is called the "site investigation." The next steps are cleanup design and the actual cleanup, which is sometimes referred to as "remediation" or "remedial action."

The Department of Industry, Labor, and Human Relations (DILHR) administers the Petroleum Environmental Cleanup Fund (PECFA). This fund may reimburse you for eligible costs associated with the remedial investigation and cleanup. Please contact DILHR at (608) 267-3753 for current information about this program and whether your facility is eligible for reimbursements.

A handout on how to choose an environmental consultant is enclosed. The PECFA program now requires that you solicit and review at least three proposals from different consultants before you choose the one that best fits your needs. The consultant you choose must be registered with DILHR. Please call DILHR at

(608) 266-2424 with questions on PECFA-registered consultants. Please give a copy of this letter to the consultants you contact.

Section 144.765, Wisconsin Statutes, establishes the Contaminated Lands Recycling Program. If you are interested in obtaining the protection of limited liability under s. 144.765, Stats., please contact Mark Giesfeldt at (608) 267-7562 or Darsi Foss at (608) 267-6713 in the Department of Natural Resources' Madison office for more information. The liability exemption under s. 144.765, Stats., is available to persons who meet the definition of "purchaser" in s. 144.765(1)(c) and receive Department approval for the response actions taken at the property undergoing cleanup. The Department will determine eligibility for this program on a case-by-case basis, prior to the "purchaser" developing a scope of work for conducting a ch. NR 716 site investigation at the property.

If you have any questions about this letter or your responsibilities, please call me at (715) 839-3775. Thank you for your cooperation.

Sincerely,

John R. Grump
Hydrogeologist

Enclosure

JRG/ah

c: Bill Evans - WD
John Paddock - WD
Darrell Christy - DILHR

Bureau for Remediation and Redevelopment
Activity Detail Report - Case Tracking

RECEIVED
JUL 16 2001
ERS DIVISION

Activity Number: 03-09-099703 **VPLE:** ☐ **Gen Prop:** ☐

Activity Type: LUST

Activity Name: SEMANKO VIOLETTA RESIDENCE

Region: West Central Region **County:** Chippewa **FID:** 609111580

Location Name: SEMANKO, VIOLETTA **EPA ID:**

Location Address: 407 E MD STREET **Start Date:** 04/10/1996 **End Date:** OPEN

Municipality: CADOTT **Project Manager:** JOHN GRUMP

Legal Description: None Found **Priority:** Unknown

Latitude: None Found **Score:**

Longitude: None Found **LUST Trust Eligible:** FEDERAL

Co-Contamination: ☐ **Transferred DCom:** ☐ **Pecfa Eligible:** ☐

Tracked by DCom: ☐ **Pecfa 80k:** ☐

Pecfa 80k Failure: ☐

Who:

Contact Type: RESPONSIBLE PARTY Phone: (715) 289-4612 Ext:

Name: VIOLETTA SEMANKO Fax:

Title: E-Mail:

Company:

Address: 407 E MD ST
CADOTT, WI 54727

Impacts:
Soil Contamination

Risk:
Unknown Risk Assigned: 12/01/1999

Substances:
Unleaded Gas Comment: ONE 300 GAL

Actions:

1 Notification 04/10/1996

2 RP Letter Sent 04/18/1996

Violetta is on a pension. No money to do investigation. Envirogen is putting up bond to do work and PECFA will waive deductible with a deed instrument (lien).

03-09-099703
34727-9359-07

Department of Natural Resources

LEAKING UNDERGROUND STORAGE TANK (Case Tracking)
Form 4400-146 Rev. 2-93

RECEIVED
JUL 16 2001
ERS DIVISION

UID Number: **FID Number:** 609111580 **PMN Number:**

County: Chippewa
Site Name: Violetta Semanko Residence
Address: 407 E. MD Street
Cadott, WI 54727

Municipality: ____
Legal Descript.: ___ 1/4 ___ 1/4 sec. ___ T ___ N R ___ (E/W)
Lat.: ____ Long.: ____

Initial Contact Date: 04/10/96
Date RPLetter Sent: 04/18/96
Date Closure Approved: __/__/__

Person/Firm Reporting: Dick Marx
Chippewa Falls Fire Dept.
Phone Number: (715) 723-0607

Priority Screening
___ 1 = High
___ 2 = Medium
___ 3 = Low
X 4 = Unknown 8/1/96

Scoring Criteria
1. ____
2. ____
3. ____
4. ____
5. ____

Funding Source
X 1 = RP
___ 2 = LTF
___ 3 = EF
___ 4 = Other

Effective Date
__/__/__

LUST Trust Eligible
X 1 = Federal
___ 2 = Non-Federal

Score: ____ Init.: ____ Date: __/__/__

Case Status

	Start Date	End Date
___ (F) Free Product Removal	__/__/__	__/__/__
___ (E) RP Emergency Response	__/__/__	__/__/__
___ (R) LTF Emergency Response	__/__/__	__/__/__
___ (L) Long Term Monitoring	__/__/__	__/__/__

Responsible Party
Contact Person: Violetta Semanko
Company Name: Residence
Address: 407 E. MD Street
Cadott, WI 54727
Phone Number: (715) 289-4612

CC's: Bill Evans WD
John Feeback WD
Darrell Christy - DILHR

Impacts
Enter "P" for potential and "K" for known
___ (1) Fire/Explosion Threat
___ (2) Contaminated Private Well(s) ___ # of Wells
___ (3) Contaminated Public Well
P (4) Groundwater Contamination
K (5) Soil Contamination
___ (6) Other: ____
___ (7) Surface Water Impacts
___ (9) Floating Product

Consultant
Contact Name: ____
Company Name:: ____
Address: ____
Telephone: ( )

Substances

Substance	# Tank(s)	Size
___ (1) Leaded Gas		
X (2) Unleaded Gas	1	300 gal
___ (3) Diesel		
___ (4) Fuel Oil		
___ (5) Unkwn Hydrocrbn		
___ (8) Other		
___ (12) Waste Oil		

REMARKS: