Lowery, Jason B - DNR

From: Edelstein, Gary A - DNR
Sent: Monday, May 20, 2013 10:12 AM
To: 'Carney, Neil'
Subject: RE: Stoughton City LF - 2013 Repair Work

Thanks for the very fast responses Neil.

1. Sounds good. I appreciate it.
2. Next time you're out there I'd appreciate it if you would throw some duct tape on it and send me some photos showing exactly what the problem is. I'll make a decision then on what might be done.
3.

Thanks, Gary E

Gary A. Edelstein, P.E., Waste Management Engineer
Wisconsin Department of Natural Resources
Bureau for Remediation and Redevelopment - RR/5
P.O. Box 7921
Madison, WI 53707
(608)267-7563
Internet E-Mail => Gary.Edelstein@wisconsin.gov

From: Carney, Neil [mailto:CarneyN@AyresAssociates.com]
Sent: Monday, May 20, 2013 9:07 AM
To: Edelstein, Gary A - DNR
Subject: RE: Stoughton City LF - 2013 Repair Work

Gary,

See responses to your comments below.
Give a call if you would like to discuss.

Thanks,
Neil

Neil E. Carney, PE
Project Engineer

Ayres Associates
Sustainable solutions since 1959
1802 Pankratz Street
Madison, WI 53704-4069

Phone 608.443.1200
Direct 608.443.1298
Fax 608.443.1250
CarneyN@AyresAssociates.com
www.AyresAssociates.com

From: Edelstein, Gary A - DNR [mailto:Gary.Edelstein@Wisconsin.gov]
Sent: Friday, May 17, 2013 2:13 PM

To: Carney, Neil
Subject: RE: Stoughton City LF - 2013 Repair Work

Neil,

I've looked this over and have these comments:

1. I know it wasn't specifically in the proposal, but would it be too much to ask to throw some grass seed down on the soil repairs next time you're at the site, except perhaps the repair the City did?

During the next bi-monthly gas monitoring event I will place grass seed on the areas that were disturbed during the repairs. I will schedule the monitoring event early in June so that the seeding occurs ASAP. No additional photos are proposed for the repair completion report.

2. For MW15D, based only on the photo, would it be possible to mount the clasp higher or at a different orientation to get it to work? The photo doesn't show the well cap, so I can't tell what the spacing relationship is between the cap clasp and the new one you tried to mount. That sort of photo would help.

Unlike the other two wells, the top of well casing for MW15D is too high in relationship to the top of the protective cover. I installed the new clasp as low as I could with the expanding well cap in place. Even so, the protective casing top/cover does not have enough lower casing to "grab" onto to provide sufficient friction, and maintain a secure enclosure. My recommendation is to:

1) Conduct no additional work at this location. There is minimal clearance between the top of casing and the protective top; OR
2) Place duct tape over the top of the well casing. This well is not part of the sampling program. Introduction of VOCs from the duct tape will not adversely impact future GW results, and will prevent foreign matter from entering the well; OR
3) Specially fabricate a new protective cover and/or clasps so that the protective top can be secured with an expandable well cap in place.

The intent of the photo in the repair completion report was to show that the new clasp was installed. During the next gas monitoring event, I can take an additional photo of the well with cap in place to show you what it looks like (and the lack of clearance), and include the photo in the semi-annual report.
Let me know how you would like to proceed.

Thanks,
Neil

Thanks, Gary E

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To: Edelstein, Gary A - DNR
Subject: Stoughton City LF - 2013 Repair Work

Gary,

Ayres Associates has completed repair work for the City of Stoughton Landfill, in Stoughton, Wisconsin. Repairs were conducted as authorized under WDNR purchase order number NMC00000665 to correct deficiencies that were noted during the October 2012 Semi-Annual Inspection.

We have attached the completion report for your review/approval.

If you have any questions regarding the report, please contact me.

Thanks,
Neil

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May 28, 2013

Mr. Gary A. Edelstein, PE
Wisconsin Department of Natural Resources
Bureau for Remediation and Redevelopment - RR/5
PO Box 7921
Madison, WI 53707

SUBJECT: Completion Report for Repair Work
Stoughton City Landfill
FID No.113005950 - License No. 00133
USEPA ID #WID980901219

Dear Mr. Edelstein:

Ayres Associates has completed repair work for the City of Stoughton Landfill, in Stoughton, Wisconsin. Repairs were conducted as authorized under WDNR purchase order number NMC00000665 to correct deficiencies that were noted during the October 2012 Semi-Annual Inspection.

1.0 Cap Erosion, Animal Burrows, Woody Root Masses

Repair activities were conducted at the site to address a stormwater erosion gulley, animal burrows, and mature woody root masses near landfill gas vents and monitoring wells at the site. The following repair tasks were implemented for these deficiencies:

- Displaced final cover materials were placed back in the location where erosion occurred on the northwest side of the landfill cap. Following replacement of cap materials, the area was manually compacted (by hand) to minimize potential for future recurrence of erosion.
- Animal burrows were plugged with topsoil and woody root masses were manually cut and excavated to mitigate future growth of obstructions.

The following table summarizes the work conducted. Refer to Attachment A for the photolog showing the repair work.

Location	Item Repaired	Photograph
NW Landfill Cap	Erosion Gulley	2013-001
GV-9	Burrow, Woody Vegetation	2013-002
GV-5	Burrow	2013-003
MW-6S	Burrow	2013-004
MW-6S Near Fence	Burrow	2013-005
MW-11S	Woody Vegetation	2013-006
GV-16	Woody Vegetation	2013-007
SE of GV-9	Burrow	2013-008
GV-13	Woody Vegetation	2013-009
GV-19	Woody Vegetation	2013-010
GV-12	Burrow	2013-011

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2.0 Monitoring Well Protective Covers

New locking clasps were installed at MW4D and MW14I to provide sufficient clearance for expandable caps, which were also installed as part of the repair effort. MW13S had a new hinge installed by drilling through the existing protective casing, and was secured with bolted connection to the casing top.

The existing protective casing at MW15D interferes with the well cap installation. During repair work, a new locking clasp was installed but there was not sufficient clearance for cap installation to occur. The position of the new locking clasp did not allow for the protective casing to be secured at the well top.

Refer to Attachment A, Photos 2013-012 through 2013-015, for the photolog showing the above-listed repair work.

3.0 Perimeter Security Fencing

The warped wooden fence slats at the south access gate were repaired by setting new nails in warped boards. Additionally, the gravel which restricts movement of the gate was manually graded to reduce interference during fence operation.

The location where frost heave caused the concrete fence supports to rise on the southwest perimeter of the landfill, had soil placed in front of the fence to prevent unauthorized access to the landfill. Soil placement was conducted by the City of Stoughton - Parks and Recreation Department.

Refer to Attachment A, Photos 2013-016 and 2013-017, for the photolog showing the above-listed repair work.

4.0 Conclusion

It has been a pleasure serving the Department to conduct repairs at the site. If you have any questions regarding this Completion Report, feel free to contact me by phone at 443.1298, or by e-mail at carneyn@ayresassociates.com.

Sincerely,

Ayres Associates Inc

Neil Carney, PE
Project Manager

NC:sm

Attachments

cc: Ms. Giang-Van Nguyen – USEPA Region V

Attachment A

Photograph Log

2013-001: Erosion Gulley Backfilled and Compacted
Date: 11-May-2013
Time: 4:24 PM
Weather: Cloudy, 60 Degrees F.

2013-02: GV-9 - Woody Root Mass Removed. Animal Burrow Plugged
Date: 11-May-2013
Time: 2:42 PM
Weather: Cloudy, 60 Degrees F.

Signature of Photographer: _____

AYRES ASSOCIATES

2013-003: GV-5 - Animal Burrow Plugged
Date: 1-May-2013
Time: 4:28 PM
Weather: Cloudy, 65 Degrees F.

2013-004: MW-6S - Animal Burrow Plugged
Date: 1-May-2013
Time: 4:41 PM
Weather: Cloudy, 65 Degrees F.

Signature of Photographer: _____

AYRES ASSOCIATES

2013-005: MW-6S Near Fence – Animal Burrow Plugged
Date: 1-May-2013
Time: 4:37 PM
Weather: Cloudy, 65 Degrees F.

2013-006: MW-11S – Woody Masses Removed
Date: 11-May-2013
Time: 4:02 PM
Weather: Cloudy, 60 Degrees F.

Signature of Photographer: Nick Carney

AYRES ASSOCIATES

2013-007: GV-16 – Woody Masses Removed
Date: 11-May-2013
Time: 3:17 PM
Weather: Cloudy, 60 Degrees F.

2013-008: SE of GV-9 – Animal Burrow Plugged
Date: 1-May-2013
Time: 4:16 PM
Weather: Cloudy, 65 Degrees F.

Signature of Photographer: Nick Carney

AYRES ASSOCIATES

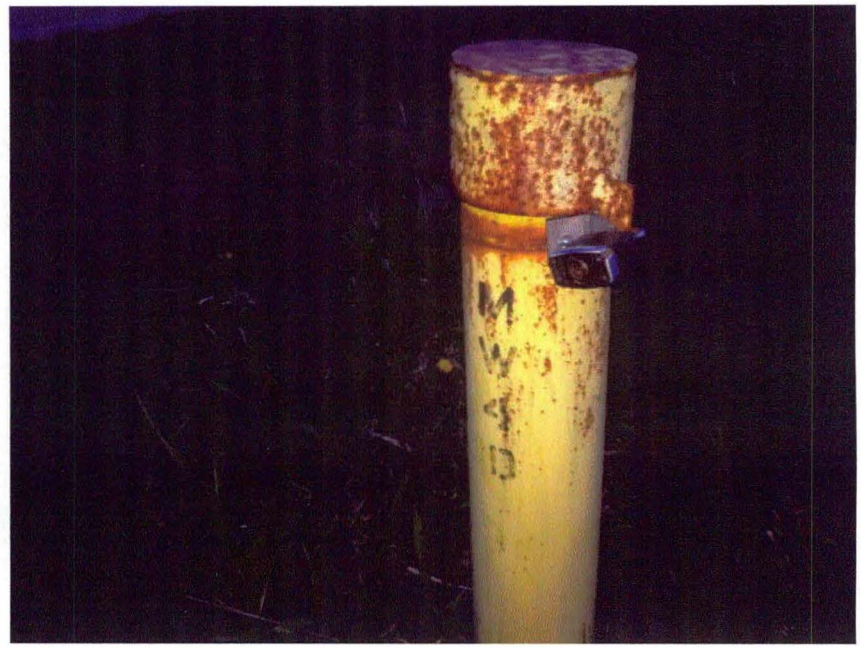
2013-009: GV-13 – Woody Masses Removed
Date: 11-May-2013
Time: 2:47 PM
Weather: Cloudy, 60 Degrees F.

2013-010: GV-19 – Woody Masses Removed
Date: 11-May-2013
Time: 2:55 PM
Weather: Cloudy, 60 Degrees F.

Signature of Photographer: _____

AYRES ASSOCIATES

2013-011: GV-12 – Animal Burrow Plugged
Date: 1-May-2013
Time: 4:08 PM
Weather: Cloudy, 65 Degrees F.



2013-012: MW-4D – New Clasp and Expanding Well Cap Installed
Date: 13-May-2013
Time: 8:17 PM
Weather: Partly Cloudy, 65 Degrees F.

Signature of Photographer: _____

AYRES ASSOCIATES

2013-013: MW-14I – New Clasp and Expanding Well Cap Installed
Date: 13-May-2013
Time: 7:44 PM
Weather: Partly Cloudy, 65 Degrees F.

2013-014: MW-13S – New Hinge and Clasp Installed
Date: 13-May-2013
Time: 7:23 PM
Weather: Partly Cloudy, 65 Degrees F.

Signature of Photographer: _____

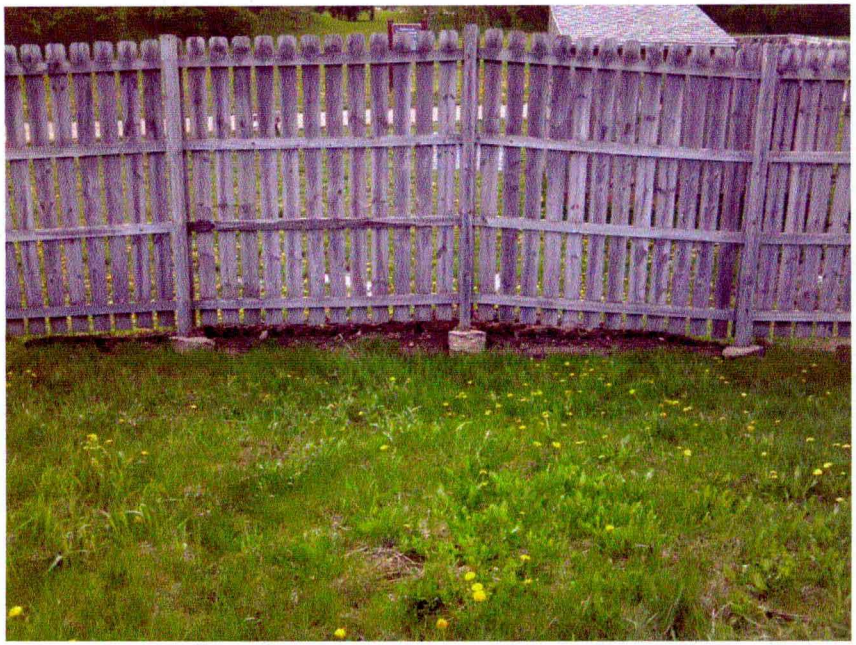
AYRES ASSOCIATES

2013-015: MW-15D – New Clasp Installed. Insufficient Clearance for Well Cap Installation
Date: 13-May-2013
Time: 7:54 PM
Weather: Partly Cloudy, 65 Degrees F.

2013-016: South Gate – Warped Boards Repaired. Gravel Graded in Front of Gate to Allow Unrestricted Movement
Date: 11-May-2013
Time: 2:15 PM
Weather: Cloudy, 65 Degrees F.

Signature of Photographer: _____

AYRES ASSOCIATES



2013-017: SW Perimeter Fence – Soil Placed to Impede Unauthorized Entry
Date: 11-May-2013
Time: 4:28 PM
Weather: Partly Cloudy, 65 Degrees F.

Signature of Photographer: _____

AYRES ASSOCIATES

1994-1996 Sediment Analytical Results

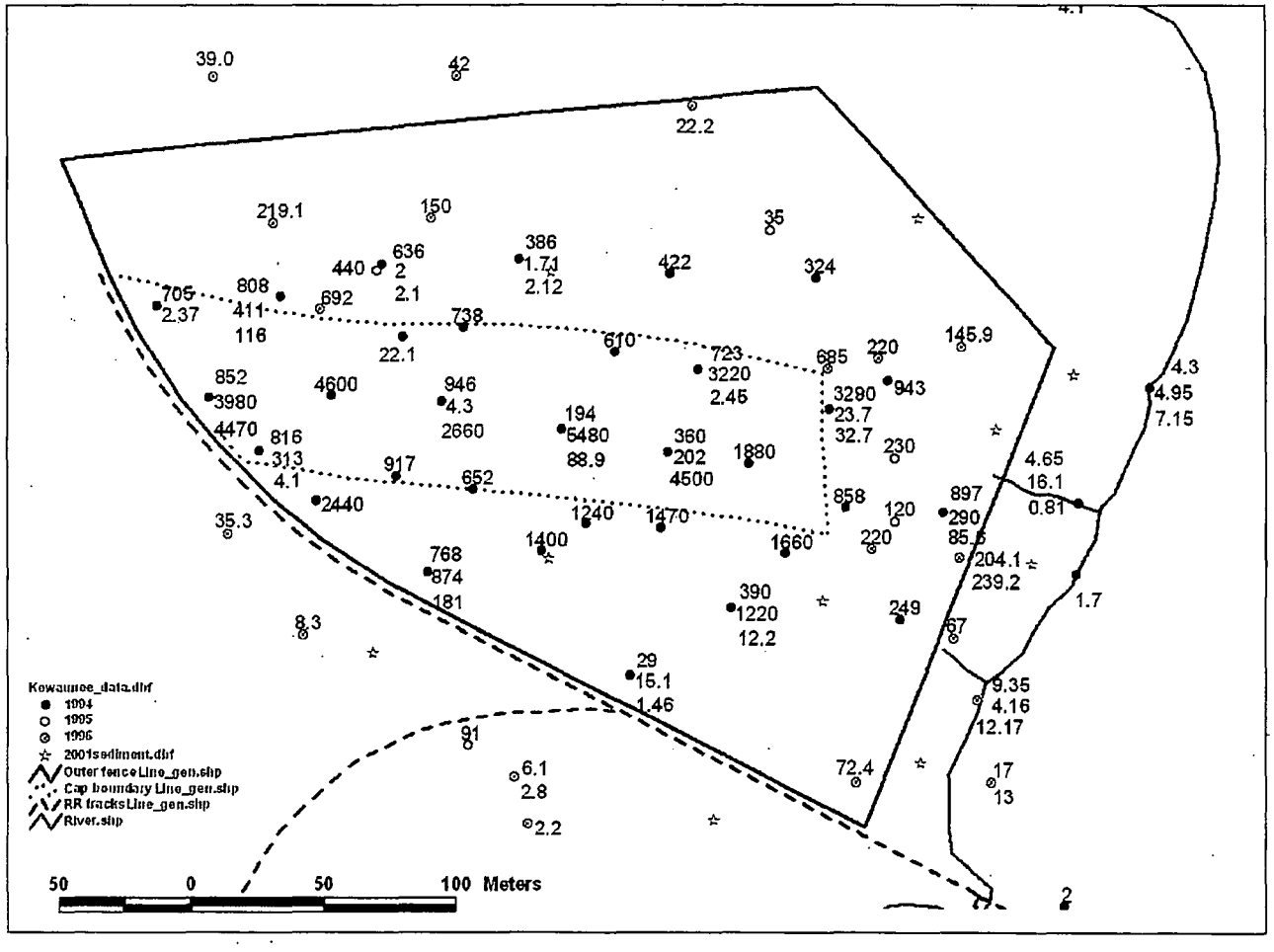


Figure 7, Previous Sediment borings taken by FVWR and WDNR, 1994-1996. Arsenic concentrations are in mg/kg. 2001 sample locations indicated by stars.

Lowery, Jason B - DNR

From: Carney, Neil <CarneyN@AyresAssociates.com>
Sent: Saturday, June 29, 2013 5:14 PM
To: Edelstein, Gary A - DNR
Subject: RE: Stoughton City LF - 2013 Repair Work
Attachments: 2013-06-15_19-55-54_834.jpg

Gary,

Per your request, I spread grass seed on the areas where repairs were conducted. This was conducted on June 15, 2013. With the grass seed, coupled with already emergent natural re-vegetation, I anticipate full coverage during the summer growing season.

I attempted to place duct tape over the well at MW15I, but was not able to open the well casing. The lower portion of the protective casing has subsided a sufficient amount such that there is too much pressure on the lock clasp to open. I would need to cut the lock off to get it open, and then likely would not be able to close it again. Have attached a picture at MW15D which is representative of the condition (I could get the best photo at this location where it is also occurring). I recommend no further action at MW15I.

If you have any questions, please let me know.

Thanks,
Neil

Neil E. Carney, PE
Project Engineer

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Thanks, Gary E

Edelstein, Gary A - DNR

From: Carney, Neil <CarneyN@AyresAssociates.com>
Sent: Tuesday, July 02, 2013 11:16 AM
To: Edelstein, Gary A - DNR
Subject: RE: Stoughton City LF - 2013 Repair Work

I reviewed the 6/29 e-mail, and the numbers were reversed. The e-mail dated July 1 uses accurate well numbers.

Neil E. Carney, PE
Project Engineer

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Sent: Tuesday, July 02, 2013 10:44 AM
To: Carney, Neil
Subject: RE: Stoughton City LF - 2013 Repair Work

So your descriptions in the 6/29 email had the well numbers reversed? 15I should be 15D and vice versa in that email wherever the numbers are used?

Thanks, Gary E

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Internet E-Mail => Gary.Edelstein@wisconsin.gov

From: Carney, Neil [mailto:CarneyN@AyresAssociates.com]
Sent: Monday, July 01, 2013 5:01 PM
To: Edelstein, Gary A - DNR
Subject: RE: Stoughton City LF - 2013 Repair Work

Gary,

MW-15D has always been locked. When I tried to install the new clasp and expandable well cap this spring, there was not enough contact area (friction) between the top and lower well cover to secure the well once the new clasp was installed (there is no hinge on these types of protective casings). The new clasp was removed, and the lock re-installed on the original clasps.

After reviewing the completion report, you requested Ayres to go to the site again, and to place duct tape over the inside well casing in lieu of an expandable cap. When I arrived at MW15D to do this, I could not open it due to subsidence of the lower casing, as there was too much pressure on the lock. The same thing is occurring at MW15I, where I could get a more clear picture due to shadows and lack of daylight at MW15D. Both wells are secured.

Let me know if you have additional questions.

Thanks,
Neil

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Sent: Monday, July 01, 2013 4:29 PM
To: Carney, Neil
Subject: RE: Stoughton City LF - 2013 Repair Work

Neil,

Thank you for placing the seed.

My understanding was the problem was at MW-15D, not MW-15I. The attached picture shows the painted on label for the well to be MW-15I, which is locked.

Are you saying MW-15D is now covered and locked? I though you couldn't install the lock. It seems to me you could still put duct tape on 15D. Do you have a current photo for 15D with the cover and lock?

Thanks, Gary E

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Edelstein, Gary A - DNR

From: Edelstein, Gary A - DNR
Sent: Tuesday, July 02, 2013 4:20 PM
To: 'Carney, Neil'
Subject: RE: Stoughton City LF - Annual GW Report - 2013 (Draft)

OK, I agree. Proceed.

Gary A. Edelstein, P.E., Waste Management Engineer
Wisconsin Department of Natural Resources
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Sent: Tuesday, July 02, 2013 3:19 PM
To: Edelstein, Gary A - DNR
Subject: RE: Stoughton City LF - Annual GW Report - 2013 (Draft)

Gary,

Ayres proposes to submit an e-mail confirmation (i.e. no formal report) with photos of the repair (soil plugging and seed) for the two animal burrows identified in the April 2013 Annual Report. We propose a net zero price change for the project related to the deduction agreed for MW-9B sampling activities.

Let me know how you would like to proceed.

Thanks,
Neil

Neil E. Carney, PE
Project Engineer

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From: Edelstein, Gary A - DNR [mailto:Gary.Edelstein@wisconsin.gov]
Sent: Tuesday, July 02, 2013 12:16 PM
To: Carney, Neil
Subject: RE: Stoughton City LF - Annual GW Report - 2013 (Draft)

OK

Gary A. Edelstein, P.E., Waste Management Engineer
Wisconsin Department of Natural Resources
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Internet E-Mail => Gary.Edelstein@wisconsin.gov

From: Carney, Neil [mailto:CarneyN@AyresAssociates.com]
Sent: Tuesday, July 02, 2013 11:44 AM
To: Edelstein, Gary A - DNR
Subject: RE: Stoughton City LF - Annual GW Report - 2013 (Draft)

Gary,

We will provide a $150 deduct from the contract for the costs of the sample analysis and labor for sample collection at MW-9B.

Thanks,
Neil

Neil E. Carney, PE
Project Engineer

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From: Edelstein, Gary A - DNR [mailto:Gary.Edelstein@wisconsin.gov]
Sent: Tuesday, July 02, 2013 10:44 AM
To: Carney, Neil
Subject: RE: Stoughton City LF - Annual GW Report - 2013 (Draft)

Neil,

I disagree with your description of the contract requirements. You knew or had an opportunity to know the site conditions when you bid on the work. The area around many of the wells is wooded. In any case, you really should have contacted me right away when you realized you couldn't conduct the contracted work and discuss options then. My position remains as described, which has been confirmed verbally by my management and our Program attorney.

I've now decided that site groundwater conditions are likely too different to make sampling just the one well this month worthwhile. So, I expect the costs to be deducted as I described.

Please keep in mind your access to this well will be necessary next year if the contract is extended again.

Thanks, Gary E

Gary A. Edelstein, P.E., Waste Management Engineer
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Sent: Tuesday, July 02, 2013 9:45 AM
To: Edelstein, Gary A - DNR
Subject: RE: Stoughton City LF - Annual GW Report - 2013 (Draft)

Gary,

We will finalize the report and submit two hardcopies to the WDNR and USEPA.

Removal of incidental vegetation (small branches less than 1/2inch diameter, leaves) near MWs is typical during a groundwater sampling event as long as the additional activity does not impact the original work requirements.

There are no provisions in the contract for clearing and grubbing of large diameter trees, or for clearing paths through wooded areas to maintain site access.
In order for the GW monitoring to proceed at MW-9B (either this month or during future events), we recommend that the tree/branches be removed as the site condition represents a health and safety hazard, and impedes the sampling work. Removal of the tree will also mitigate potential for future damage to the well. Clearing and grubbing will require rental of a chainsaw, mobilization to the site, and labor to conduct. This represents a change of condition, and was not included as part of the original bidding/proposal requirements.

Please let me know how you would like to proceed.

Thanks,
Neil

Neil E. Carney, PE
Project Engineer

Ayres Associates
Sustainable solutions since 1959
1802 Pankratz Street
Madison, WI 53704-4069

Phone 608.443.1200
Direct 608.443.1298
Fax 608.443.1250
CarneyN@AyresAssociates.com
www.AyresAssociates.com

From: Edelstein, Gary A - DNR [mailto:Gary.Edelstein@wisconsin.gov]
Sent: Monday, July 01, 2013 4:20 PM
To: Carney, Neil
Subject: RE: Stoughton City LF - Annual GW Report - 2013 (Draft)

Neil,

You may finalize the report.

As we discussed by phone today, you should have contacted me as soon as you realized you couldn't sample well MW-9B to discuss options. You now have the option of sampling the well this month or not charging us for the cost of gathering the samples and analyzing them for that well. I believe it is expected under the contract that you would do what is necessary and reasonable to clear a path to all the wells being sampled. Based on the photos provided, it appears to me that it was reasonable for you to clear a path to that well.

If you do not intend to sample the well this month, then please contact me to discuss what costs will be deducted for not sampling it.

You may send me a proposal to fill the 2 animal burrows. I have contacted the City about the needed fence repairs.

Thanks, Gary E

Gary A. Edelstein, P.E., Waste Management Engineer
Wisconsin Department of Natural Resources
Bureau for Remediation and Redevelopment - RR/5
P.O. Box 7921
Madison, WI 53707
(608)267-7563
Internet E-Mail => Gary.Edelstein@wisconsin.gov

From: Carney, Neil [mailto:CarneyN@AyresAssociates.com]
Sent: Saturday, June 29, 2013 5:02 PM
To: Edelstein, Gary A - DNR
Subject: Stoughton City LF - Annual GW Report - 2013 (Draft)

Gary,

Please find attached an electronic copy of the City of Stoughton Landfill – 2013 Annual Report (Draft). Once you provide comments or concurrence, we will prepare the finalized hardcopy report and CD-ROM and send out to both yourself and the USEPA for your records.

If you have any questions regarding the report, please give a call anytime.

Best Regards,
Neil

Neil E. Carney, PE
Project Engineer

Ayres Associates
Sustainable solutions since 1959
1802 Pankratz Street
Madison, WI 53704-4069

Phone 608.443.1200
Direct 608.443.1298
Fax 608.443.1250
CarneyN@AyresAssociates.com
www.AyresAssociates.com

Edelstein, Gary A - DNR

From: Edelstein, Gary A - DNR
Sent: Tuesday, July 02, 2013 4:35 PM
To: 'sbrusegar@ci.stoughton.wi.us'
Cc: Nefertiti DiCosmo (DiCosmo.Nefertiti@epamail.epa.gov)
Subject: RE: Fence

Thank you Sean, I appreciate it.

Gary E

Gary A. Edelstein, P.E., Waste Management Engineer
Wisconsin Department of Natural Resources
Bureau for Remediation and Redevelopment - RR/5
P.O. Box 7921
Madison, WI 53707
(608)267-7563
Internet E-Mail => Gary.Edelstein@wisconsin.gov

From: sbrusegar@ci.stoughton.wi.us [mailto:sbrusegar@ci.stoughton.wi.us]
Sent: Tuesday, July 02, 2013 3:47 PM
To: Edelstein, Gary A - DNR
Subject: Fence

Gary,

I replaced 3 boards today at Amundson Park. I only saw one broken which was not there on Friday when I looked. I replaced 2 others that were cracked.

As you can tell we have been replacing a lot of boards.

Sean

Sean Brusegar
City of Stoughton Parks Maintenance Supervisor
515 S Fourth St
Stoughton, WI 53589
608.873.6303 - Office
608.513.7327 - Cell
608.877.8387 - Fax
"IF WHAT YOU'VE DONE YESTERDAY SEEMS BIG, YOU HAVEN'T DONE ANYTHING TODAY" - ARA PARSEGHIAN

From: Carney, Neil <CarneyN@AyresAssociates.com>

Sent: Friday, July 05, 2013 11:44 AM

To: Edelstein, Gary A - DNR

Subject: RE: Stoughton City LF - Animal Burrow Repair

Attachments: SE GV-9 Burrow Repair.jpg; MW-2D Burrow Repair.jpg

Gary,

Repairs for the animal borrows at MW-2D, and SE of GV-9 were repaired today. Both locations were

plugged and seeded. Please see attached photographs. The last of the grass seed procured for the site

was utilized during the effort.

Let me know if you need additional information.

Thanks,

Neil

Neil E. Carney, PE

Project Engineer

Ayres Associates

Sustainable solutions since 1959

1802 Pankratz Street

Madison, WI 53704-4069

Phone 608.443.1200

Direct 608.443.1298

Fax 608.443.1250

CarneyN@AyresAssociates.com

www.AyresAssociates.com

BADGER STATE DRILLING CO., INC.

ENVIRONMENTAL/GEOTECHNICAL DRILLING SERVICES

Wisconsin Department of Natural Resources
Remediation & Redevelopment
101 S. Webster St.
PO Box 7921
Madison, WI 7921

Attention: Mr. Gary Edelstein

Re: Stoughton Landfill Well Abandonments

On October 16th, 2013 Badger State Drilling, Inc. was at the City of Stoughton Landfill clearing trees and brush for access to well locations MW-7B, MW-10D, MW-13D and OW-1. A fallen tree that was close to MW-9B was cut and removed on October 17th, 2013.

Badger State Drilling's ATV drill rig and Skidsteer arrived on site October 17th, the crew proceeded to mix cement grout and setup on MW-7B. The concrete pad was broken out and the protective well cover was removed, a 3.0' PVC extension was screwed into the Stainless Steel pipe to stabilize the artesian flow then tremie grouted shut to a depth of 81.3'.

The crew then moved to OW-1, broke out the concrete pad and removed the protective well cover, added a 4.0' PVC extension to stabilize the artesian flow and tremie grouted the well shut to 44.0', note that this was a PVC well.

The crew proceeded to MW-13D, removed the concrete pad and well cover, a 6.0' PVC extension was added to the Stainless Steel well to stabilize the artesian flow then tremie grouted to 94.0'.

The crew then moved to MW-10D, removed the concrete pad and protective well cover, a 7.0' piece of PVC was added to the stainless steel well to stabilize the artesian head pressure then tremie grouted the well to 88.0'.

The drill rig was loaded and De-Mobilized the end of day on October 17th. The crew returned to the site on October 18th to cut the well casings 30.0" below ground surface, add bentonite chips and topsoil at the surface. The 10.0" double casing at MW-7B was dug out by hand to 24.0" and torched off. There were some ruts near MW-7B that were filled in, smoothed out, grass seed planted and hay placed over the area. All the debris from the abandonments was removed from the site including two bumper posts that were laying near the MW-9 well nest.

Sincerely,

Mark A. Garwick
President

360 Business Park Circle • Stoughton, WI 53589-3395 • PHONE (608) 877-9770 • FAX (608) 877-9771
E-MAIL bsd@badgerstatedrilling.com • WEBSITE badgerstatedrilling.com

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08) Page 1 of 2

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, 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. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

Route to: ☐ Drinking Water ☐ Watershed/Wastewater [X] Remediation/Redevelopment ☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
DANE	MW-7B	

Latitude / Longitude (Degrees and Minutes) — — ° — — ' — — — 'N / — — ° — — ' — — — 'W

Method Code (see instructions)

¼ / ¼	¼	Section	Township	Range	
NE	SW	35	5 N	11	[X] E ☐ W

or Gov't Lot #

Well Street Address: MW-7B

Well City, Village or Town: Stoughton

Well ZIP Code: 53589-

Subdivision Name

Lot #

Reason For Removal From Service: End of Study

WI Unique Well # of Replacement Well

2. Facility / Owner Information

Facility Name: City of Stoughton Landfill

Facility ID (FID or PWS)

License/Permit/Monitoring #

Original Well Owner

Present Well Owner

Mailing Address of Present Owner

City of Present Owner: Stoughton | State: WI | ZIP Code: 53589-

3. Well / Drillhole / Borehole Information

[X] Monitoring Well ☐ Water Well ☐ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 7/13/1993

If a Well Construction Report is available, please attach.

Construction Type: [X] Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (specify): _____

Formation Type: ☐ Unconsolidated Formation [X] Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
81.3	2
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
	83

Was well annular space grouted? [X] Yes ☐ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
	3

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	[X] N/A
Liner(s) removed?	☐ Yes	☐ No	[X] N/A
Screen removed?	☐ Yes	[X] No	☐ N/A
Casing left in place?	[X] Yes	☐ No	☐ N/A
Was casing cut off below surface?	[X] Yes	☐ No	☐ N/A
Did sealing material rise to surface?	[X] Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	[X] No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	[X] N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	[X] Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity [X] Conductor Pipe-Pumped
[X] Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
[X] Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete [X] Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

	From (ft.)	To (ft.)	Cubic Feet	Mix Ratio
3/8" Bentonite Chips	Surface	2.5		
Cement Grout	2.5	81.3	1.9	1/6

6. Comments

Removed 4.0"X4.0" pro-top & concrete pad. Extended well 3.0' to stop artesian flow. Dug down & torched off 2.0' of 10.0" casing. Mix ratio was 94 lbs. cement per 6 gal. water.

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
Badger State Drilling Co., Inc.		10/17/2013

Street or Route: 360 Business Park Circle

Telephone Number: (608) 877-9770

City: Stoughton | State: WI | ZIP Code: 53589-

Signature of Person Doing Work

Date Signed: 10/21/13

DNR Use Only

Date Received | Noted By | Comments

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08) Page 1 of 2

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☐ **Verification Only of Fill and Seal**

Route to: ☐ Drinking Water ☐ Watershed/Wastewater [X] Remediation/Redevelopment ☐ Waste Management ☐ Other:

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
DANE	MW-10D	

Latitude / Longitude (Degrees and Minutes) — Method Code (see instructions)

__ __ ° __ __ . __ __ __ 'N

__ __ ° __ __ . __ __ __ 'W

¼ / ¼	¼	Section	Township	Range
NE	SW	35	5 N	11 [X] E ☐ W

or Gov't Lot #

Well Street Address: MW-10D

Well City, Village or Town	Well ZIP Code
Stoughton	53589-

Subdivision Name	Lot #

Reason For Removal From Service	WI Unique Well # of Replacement Well
End of Study	

2. Facility / Owner Information

Facility Name: City of Stoughton Landfill

Facility ID (FID or PWS):

License/Permit/Monitoring #:

Original Well Owner:

Present Well Owner:

Mailing Address of Present Owner:

City of Present Owner	State	ZIP Code
Stoughton	WI	53589-

3. Well / Drillhole / Borehole Information

[X] Monitoring Well ☐ Water Well ☐ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 9/27/1994

If a Well Construction Report is available, please attach.

Construction Type: [X] Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (specify):

Formation Type: ☐ Unconsolidated Formation [X] Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
88	2
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
	90

Was well annular space grouted? [X] Yes ☐ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
	3

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	[X] N/A
Liner(s) removed?	☐ Yes	☐ No	[X] N/A
Screen removed?	☐ Yes	[X] No	☐ N/A
Casing left in place?	[X] Yes	☐ No	☐ N/A
Was casing cut off below surface?	[X] Yes	☐ No	☐ N/A
Did sealing material rise to surface?	[X] Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	[X] No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	[X] N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	[X] Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material

☐ Conductor Pipe-Gravity [X] Conductor Pipe-Pumped [X] Screened & Poured (Bentonite Chips) ☐ Other (Explain):

Sealing Materials

[X] Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry
☐ Concrete [X] Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:

☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

	From (ft.)	To (ft.)	Cubic Feet	Mix Ratio
3/8" Bentonite Chips	Surface	2.5		
Cement Grout	2.5	88	2	1/6

6. Comments

Extended well 7.0' to stop artesian flow. Removed 6.0"X6.0" pro-top & concrete pad. Mix ratio was 94 lbs. cement per 6 gal. water.

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
Badger State Drilling Co., Inc.		10/17/2013

Street or Route	Telephone Number
360 Business Park Circle	(608) 877-9770

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Stoughton	WI	53589-		

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08) Page 1 of 2

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☐ **Verification Only of Fill and Seal**

Route to:
☐ Drinking Water ☐ Watershed/Wastewater [X] Remediation/Redevelopment
☐ Waste Management ☐ Other:

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
DANE	OW-1	

Latitude / Longitude (Degrees and Minutes) — Method Code (see instructions)
__ __ ° __ __ . __ __ __ 'N
__ __ ° __ __ . __ __ __ 'W

¼ / ¼	¼	Section	Township	Range	
NE	SW	35	5 N	11	[X] E ☐ W

or Gov't Lot #

Well Street Address: OW-1

Well City, Village or Town	Well ZIP Code
Stoughton	53589-

Subdivision Name	Lot #

Reason For Removal From Service	WI Unique Well # of Replacement Well
End of Study	

2. Facility / Owner Information

Facility Name: City of Stoughton Landfill
Facility ID (FID or PWS):
License/Permit/Monitoring #:
Original Well Owner:
Present Well Owner:
Mailing Address of Present Owner:

City of Present Owner	State	ZIP Code
Stoughton	WI	53589-

3. Well / Drillhole / Borehole Information

[X] Monitoring Well ☐ Water Well ☐ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 10/11/1994

If a Well Construction Report is available, please attach.

Construction Type:
[X] Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (specify):

Formation Type:
[X] Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
44	2
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
	46.5

Was well annular space grouted? [X] Yes ☐ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
	3

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	[X] N/A
Liner(s) removed?	☐ Yes	☐ No	[X] N/A
Screen removed?	☐ Yes	[X] No	☐ N/A
Casing left in place?	[X] Yes	☐ No	☐ N/A
Was casing cut off below surface?	[X] Yes	☐ No	☐ N/A
Did sealing material rise to surface?	[X] Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	[X] No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	[X] N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	[X] Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity [X] Conductor Pipe-Pumped
[X] Screened & Poured (Bentonite Chips) ☐ Other (Explain):

Sealing Materials
[X] Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry
☐ Concrete [X] Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

	From (ft.)	To (ft.)	Cubic Feet	Mix Ratio
3/8" Bentonite Chips	Surface	2.5		
Cement Grout	2.5	44	1.03	1/6

6. Comments

Put 4.0' extension on to stop artesian flow. Removed 6.0"X6.0" pro-top & concrete pad. Mix ratio was 94 lbs. cement per 6 gal. water.

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
Badger State Drilling Co., Inc.		10/17/2013

Street or Route	Telephone Number
360 Business Park Circle	(608) 877-9770

City	State	ZIP Code
Stoughton	WI	53589-

Signature of Person Doing Work: Mark Larson
Date Signed: 10/21/13

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08) Page 1 of 2

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☐ **Verification Only of Fill and Seal**

Route to: ☐ Drinking Water ☐ Watershed/Wastewater [X] Remediation/Redevelopment ☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
DANE	MW-13D	

Latitude / Longitude (Degrees and Minutes) — Method Code (see instructions)

__ __ ° __ __ . __ __ __ 'N
__ __ ° __ __ . __ __ __ 'W

¼ / ¼	¼	Section	Township	Range	
NE	SW	35	5 N	11	[X] E ☐ W

or Gov't Lot #

Well Street Address: MW-13D

Well City, Village or Town	Well ZIP Code
Stoughton	53589-

Subdivision Name	Lot #

Reason For Removal From Service	WI Unique Well # of Replacement Well
End of Study	

2. Facility / Owner Information

Facility Name: City of Stoughton Landfill

Facility ID (FID or PWS):

License/Permit/Monitoring #:

Original Well Owner:

Present Well Owner:

Mailing Address of Present Owner:

City of Present Owner	State	ZIP Code
Stoughton	WI	53589-

3. Well / Drillhole / Borehole Information

[X] Monitoring Well ☐ Water Well ☐ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 10/6/1994

If a Well Construction Report is available, please attach.

Construction Type: [X] Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (specify): _____

Formation Type: ☐ Unconsolidated Formation [X] Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
94	2

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
	96.5

Was well annular space grouted? [X] Yes ☐ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
	3

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	[X] N/A
Liner(s) removed?	☐ Yes	☐ No	[X] N/A
Screen removed?	☐ Yes	[X] No	☐ N/A
Casing left in place?	[X] Yes	☐ No	☐ N/A
Was casing cut off below surface?	[X] Yes	☐ No	☐ N/A
Did sealing material rise to surface?	[X] Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	[X] No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	[X] N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	[X] Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity [X] Conductor Pipe-Pumped
[X] Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
[X] Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry
☐ Concrete [X] Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

	From (ft.)	To (ft.)	Cubic Feet	Mix Ratio
3/8" Bentonite Chips	Surface	2.5		
Cement Grout	2.5	94	2.2	1/6

6. Comments

Put 6.0' extension on to stop artesian flow. Removed 4.0"X4.0" pro-top & concrete pad. Mix ratio was 94 lbs. cement per 6 gal. water.

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
Badger State Drilling Co., Inc.		10/17/2013

Street or Route	Telephone Number
360 Business Park Circle	(608) 877-9770

City	State	ZIP Code
Stoughton	WI	53589-

Signature of Person Doing Work: [signature]

Date Signed:

DNR Use Only

Date Received: Noted By:

Comments:

AYRES ASSOCIATES

June 25, 2014

Mr. Gary A. Edelstein, PE
Wisconsin Department of Natural Resources
Bureau for Remediation and Redevelopment - RR/5
PO Box 7921
Madison, WI 53707

Subject: Completion Report for Repair Work
Stoughton City Landfill
FID No.113005950 - License No. 00133
USEPA ID #WID980901219

Dear Mr. Edelstein:

Ayres Associates has completed repair work for the City of Stoughton Landfill, in Stoughton, Wisconsin. Repairs were conducted as authorized by the Department to correct deficiencies that were noted during the October 2013 Semi-Annual Inspection.

1.0 Animal Burrow Repair and Materials Procurement

Repair activities were conducted in June 2014 at the site to address an animal burrow near GV-10. The animal burrow was plugged with topsoil and seeded with material previously procured and stockpiled at the site. Refer to Photograph 2014-04-002 in Attachment A for a depiction of the repair. Refer to Photograph 2014-04-003 in Attachment A for a depiction of the material procurement.

2.0 Flowing Monitoring Well Plugging

One monitoring well (OW-2) was noticeably flowing (artesian) during the October 2013 inspection event. An inflatable plug was installed in April 2014 at this location to mitigate potential flowing condition of the well. The model of inflatable plug was identical to that used at MW-10S and MW-13S, which were installed during historical repair activities. Refer to Photograph 2014-04-004 in Attachment A for a depiction of the repair.

3.0 Tree Removal and Disposal

One monitoring well nest (MW1S and MW-1D) was overgrown with decorative/landscaped trees, and access to the wells was restricted based on the results of the October 2013 semi-annual inspection. The trees were removed during April 2014 and the woody vegetation was disposed off-site. Refer to Photograph 2014-04-005 in Attachment A for a depiction of the repair. Ayres Associates coordinated with the City of Stoughton to have the trees removed by the City.

4.0 Updated Site Map

Four wells (MW-7B, MW-10D, MW-13D, OW-1) were abandoned at the site by the Department during the 2013 construction season. The existing site map has been updated accordingly and included as Figure 1 of this report.

5201 E. Terrace Drive, Suite 200 • Madison, WI 53718 • 800.800.5191 • www.AyresAssociates.com

5.0 Conclusion

It has been a pleasure serving the Department to conduct repairs at the site. If you have any questions regarding this Completion Report, feel free to contact me by phone at 443.1298, or by e-mail at carneyn@ayresassociates.com.

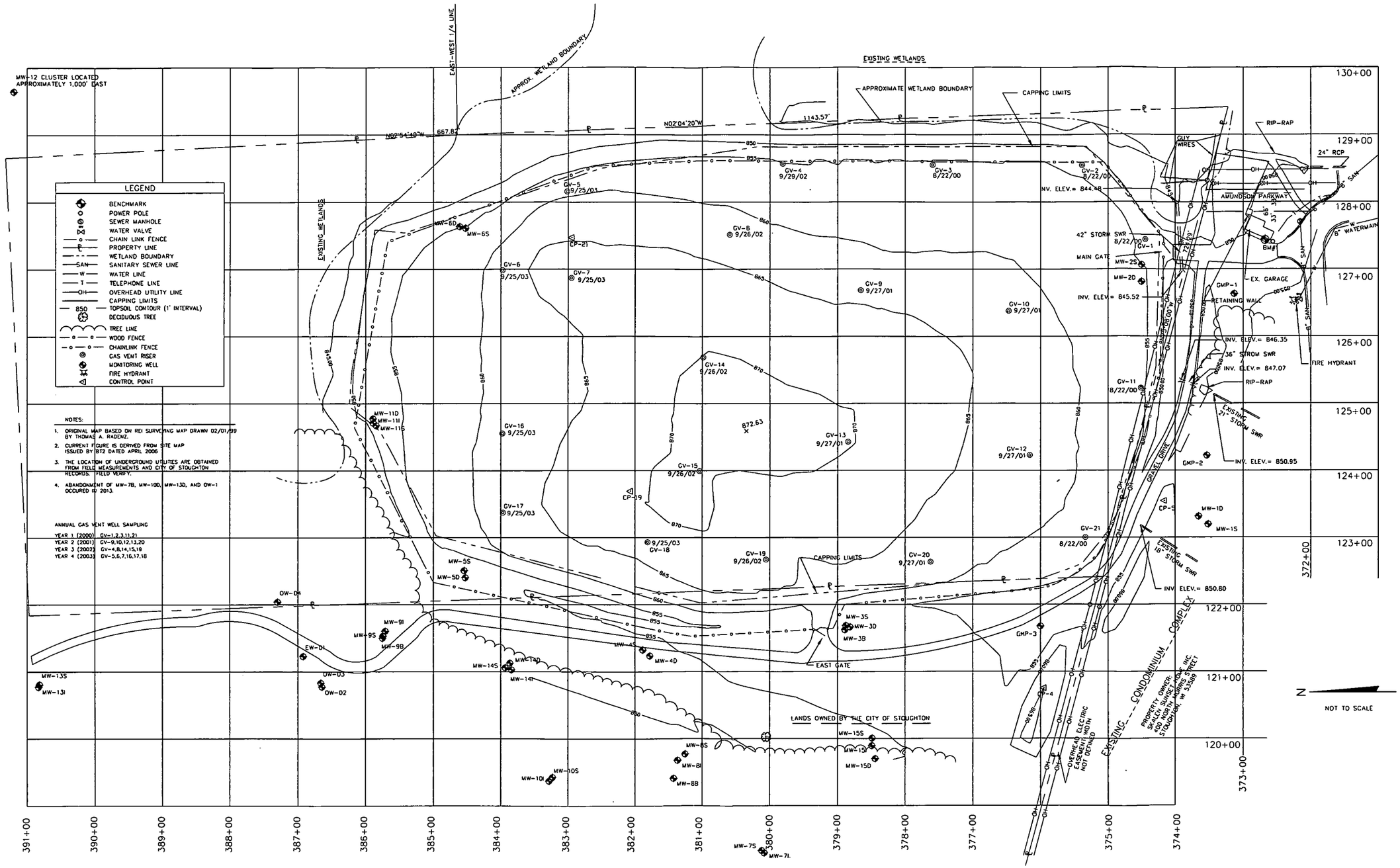
Sincerely,

Ayres Associates Inc

Neil Carney, PE
Project Manager

NC:sm

Figure



DR. BY T SHUPERT	STOUGHTON CITY LANDFILL STOUGHTON, WISCONSIN	AYRES ASSOCIATES Madison, Wisconsin	SITE MAP
CHK. BY N. CARNEY			FIGURE NO. 1
DATE MAY 2014			

5/12/2014
Ayres_pdf.pltcfg
ES_Standard.tbl
V:\ENV\CAD\LANDFILL\Stoughton\Figure 1 - Site map.dgn

Attachment A

Photolog

2014-04-002: GV-10 Burrow Repair
Date: 16-June-2014
Time: 5:50 PM
Weather: Cloudy, 74 Degrees F.

2014-04-003: Grass Seed and Topsoil Procurement
Date: 18-April-2014
Time: 12:53 PM
Weather: Sunny, 42 Degrees F.

Signature of Photographer: _____

AYRES ASSOCIATES

2013-04-004: OW-2 Plugged
Date: 27-April-2014
Time: 4:13 PM
Weather: P. Cloudy, 47 Degrees F.

2014-04-005: MW1 Tree Removal
Date: 13-June-2014
Time: 4:43 PM
Weather: Sunny, 64 Degrees F.

Signature of Photographer: _____

AYRES ASSOCIATES

Edelstein, Gary A - DNR

From: Carney, Neil <CarneyN@AyresAssociates.com>
Sent: Friday, July 18, 2014 5:05 PM
To: Edelstein, Gary A - DNR
Subject: Stoughton City Landfill - Repair Completion Report - MW13I Plugging
Attachments: 2-inch Long Ball Plug.jpg; MW 13-I Sucessfully Plugged.jpg

Gary,

Repair activities associated with plugging artesian well MW-13I were successfully completed today (July 18, 2014). Repairs activities consisted of inflating the specified 2" Long Ball Plug to the manufacture's recommended pressure (45psi). Based on observations of the repairs, there was no flow observed after installation of the plug.

An update on the status of plug will be given during the October 2014 Semi-annual inspection event.

Let me know if you have any questions.

Thanks,
Neil

Neil E. Carney, PE
Project Manager
Ayres Associates
5201 E. Terrace Drive, Suite 200 • Madison, WI 53718
T: 608.443.1200 • C: 608.354.6311
CarneyN@AyresAssociates.com
www.AyresAssociates.com

Edelstein, Gary A - DNR

From: Nguyen, Giang Van <Nguyen.Giang-Van@epa.gov>
Sent: Wednesday, January 14, 2015 9:50 AM
To: Edelstein, Gary A - DNR
Subject: RE: Stoughton City LF - Annual Report - 2014 (Final)

Gary,

I agree with your approach for MW-13I.

Thanks,

Giang-Van Nguyen
Remedial Project Manager
U.S. EPA, Region 5
(312) 886-6726

From: Edelstein, Gary A - DNR [mailto:Gary.Edelstein@wisconsin.gov]
Sent: Wednesday, January 07, 2015 3:38 PM
To: Nguyen, Giang Van
Subject: RE: Stoughton City LF - Annual Report - 2014 (Final)

Giang-Van,

Attached are the latest results for MW-13I. I'm happy to say that no VOCs were found in the well.

Assuming it's OK with you, we can go back to annual sampling in the spring; if something turns up then we can re-evaluate. Let me know if you agree.

Thanks, Gary E

We are committed to service excellence.
Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

Gary A. Edelstein, Waste Management Engineer
(608)267-7563
Internet E-Mail => Gary.Edelstein@wisconsin.gov

From: Nguyen, Giang Van [mailto:Nguyen.Giang-Van@epa.gov]
Sent: Thursday, July 10, 2014 11:21 AM
To: Edelstein, Gary A - DNR
Subject: RE: Stoughton City LF - Annual Report - 2014 (Final)

Gary,

I've agreed with the approach and have no further comments.

Thank you,

Giang-Van Nguyen
Remedial Project Manager
U.S. EPA, Region 5
(312) 886-6726

From: Edelstein, Gary A - DNR <Gary.Edelstein@wisconsin.gov>
Sent: Thursday, July 10, 2014 10:24 AM
To: Nguyen, Giang Van
Subject: RE: Stoughton City LF - Annual Report - 2014 (Final)

Giang-Van,

As we discussed today, we agreed on the following.

1. The latest data shows the results for all the sampled monitoring wells to be consistent with past results and no concerns with increasing trends, except for MW-13I.
2. MW-13I, based on the latest results, is now showing a possible increasing trend for DCDFM and THF. This may be due to the well being under artesian conditions and a more recent failure of the well plug, allowing the well to flow for some time, possibly allowing contaminants to be drawn to the well location.
3. The responses to the finding at MW-13I are:
    a. We are already in the process of replacing the well plug with a better plug, which should occur soon.
    b. We will move the sampling frequency of the well from annual to semi-annual, with the next event to be scheduled for late November or early December. Sampling will then continue to occur semi-annually until we agree to change the frequency, as necessary.
    c. After results are in for this well for a few more rounds, we'll re-evaluate the situation.

Please let me know if you agree with this approach and if you have any comments or questions.

Thanks, Gary E

We are committed to service excellence.
Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

Gary A. Edelstein, P.E., Waste Management Engineer
(608)267-7563
Internet E-Mail => Gary.Edelstein@wisconsin.gov

From: Edelstein, Gary A - DNR
Sent: Wednesday, July 09, 2014 9:54 AM
To: 'Nguyen, Giang Van'
Subject: RE: Stoughton City LF - Annual Report - 2014 (Final)

Giang-Van,

The revised site map is attached accounting for the abandoned wells. You can mark which wells have the VOC exceedances.

Feel free to add this year's data to the plots from the last FYR. Our contract with Ayres doesn't include them providing the map you asked for with the wells marked with the VOC exceedances or preparing plots.

10 AM tomorrow works for me. I'll expect your call.

Thanks, Gary E

Gary A. Edelstein, P.E., Waste Management Engineer
(608)267-7563
Internet E-Mail => Gary.Edelstein@wisconsin.gov

From: Nguyen, Giang Van [mailto:Nguyen.Giang-Van@epa.gov]
Sent: Wednesday, July 09, 2014 9:41 AM
To: Edelstein, Gary A - DNR
Subject: RE: Stoughton City LF - Annual Report - 2014 (Final)

Gary,

I have few comments on the annual report:

1. Provide the maps of the wells with the VOCs above PALs or ES
2. Provide the data plot for the groundwater monitoring
3. Provide the site map including the abandoned wells.

Regarding to the MW-13I, I'll call you tomorrow around 10 am if you're available.

Thanks,

Giang-Van Nguyen
Remedial Project Manager
U.S. EPA, Region 5
(312) 886-6726

From: Edelstein, Gary A - DNR [mailto:Gary.Edelstein@wisconsin.gov]
Sent: Monday, June 30, 2014 10:12 AM
To: Nguyen, Giang Van
Subject: RE: Stoughton City LF - Annual Report - 2014 (Final)

Hi Giang-Van,

Let me know what you think about the results for MW-13I. I've got some ideas about how to respond. We should discuss when you have time.

If you have any other comments, let me know.

Thanks, Gary E

Gary A. Edelstein, P.E., Waste Management Engineer
Wisconsin Department of Natural Resources
Bureau for Remediation and Redevelopment - RR/5
P.O. Box 7921
Madison, WI 53707
(608)267-7563
Internet E-Mail => Gary.Edelstein@wisconsin.gov

We are committed to service excellence. Click here to evaluate how I did.

From: Carney, Neil [mailto:CarneyN@AyresAssociates.com]
Sent: Friday, June 27, 2014 4:15 PM
To: Edelstein, Gary A - DNR
Cc: nguyen.giang-van@epa.gov
Subject: Stoughton City LF - Annual Report - 2014 (Final)

Gary,

Please find attached an electronic version of the Final 2014 Annual Report for the City of Stoughton Landfill located in Stoughton, Wisconsin. We have sent both the Department and USEPA two (2) hardcopies and a CD-ROM of the report for your project records.

If you need anything else regarding this report, please let me know.

Thanks,
Neil

Neil E. Carney, PE
Project Manager

Ayres Associates
5201 E. Terrace Drive, Suite 200
Madison, WI 53718
T: 608.443.1298
C: 608.354.6311
CarneyN@AyresAssociates.com
www.AyresAssociates.com

Edelstein, Gary A - DNR

From: Edelstein, Gary A - DNR
Sent: Monday, April 06, 2015 12:18 PM
To: Carney, Neil (CarneyN@AyresAssociates.com)
Subject: RE: Stoughton City LF - Damaged Fence Line

Neil,

Thanks for the quick notice.

I decided to request this of the City directly.

Gary E

From: Edelstein, Gary A - DNR
Sent: Monday, April 06, 2015 12:16 PM
To: 'sbrusegar@ci.stoughton.wi.us'
Subject: FW: Stoughton City LF - Damaged Fence Line

Hello Sean,

Attached is an email from our contractor reporting damage to the fence at the Stoughton City Landfill. In the past the City has inspected and repaired such damage, given it almost always was caused by users of the Frisbee golf course trying to retrieve their discs.

Could you please take care of repairing this damage as soon as possible and let us know when it is done?

Thanks, Gary E

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Gary A. Edelstein, Waste Management Engineer
Wisconsin Department of Natural Resources
Bureau for Remediation and Redevelopment - RR/5
P.O. Box 7921
Madison, WI 53707
(608)267-7563
Internet E-Mail => Gary.Edelstein@wisconsin.gov

From: Carney, Neil [mailto:CarneyN@AyresAssociates.com]
Sent: Monday, April 06, 2015 11:19 AM
To: Edelstein, Gary A - DNR
Subject: Stoughton City LF - Damaged Fence Line

Gary,

We conducted the semi-annual inspection at the Stoughton City LF on April 4, 2015. During the inspection, we noted a broken fenceline slats approximately 75 feet north of the southern access gate. See attached photo.

With your authorization, will contact the City Parks Department to see if they will conduct repairs immediately.

Thanks,
Neil

Neil E. Carney, PE
Project Manager

Ayres Associates
5201 E. Terrace Drive, Suite 200
Madison, WI 53718
T: 608.443.1200
D: 608.443.1298
CarneyN@AyresAssociates.com
www.AyresAssociates.com


0.2

Edelstein, Gary A - DNR

From: Carney, Neil <CarneyN@AyresAssociates.com>
Sent: Wednesday, April 22, 2015 3:47 PM
To: Edelstein, Gary A - DNR
Subject: FW: Stoughton City LF - Spring 2015 Repairs
Attachments: GV-11 Burrow and Vegetation Repair.pdf; GV-12 Burrow Repair.pdf

Gary,

Repairs for the Woody Vegetation (GV-11) and Animal Burrows (GV-11 and GV-12) were completed on April 4, 2015. Attached are two photos showing completion of these work items. Full documentation of these repairs will be provided in the 2015 Annual Report as proposed. We are submitting this e-mail and photos now for invoicing purposes against the contingency line item ($400). The remaining balance ($150) will be invoiced once the annual report is submitted for the site.

Let me know if you have any questions.

Thanks,
Neil

Neil E. Carney, PE
Project Manager

Ayres Associates
5201 E. Terrace Drive, Suite 200
Madison, WI 53718
T: 608.443.1200
D: 608.443.1298
CarneyN@AyresAssociates.com
www.AyresAssociates.com

From: Edelstein, Gary A - DNR [mailto:Gary.Edelstein@wisconsin.gov]
Sent: Monday, December 15, 2014 4:18 PM
To: Carney, Neil
Subject: RE: Stoughton City LF - Spring 2015 Repairs

Neil, this is fine for work this Spring. Proceed at that time.

Thanks, Gary E

We are committed to service excellence.
Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

Gary A. Edelstein, Waste Management Engineer
(608)267-7563
Internet E-Mail => Gary.Edelstein@wisconsin.gov

From: Carney, Neil [mailto:CarneyN@AyresAssociates.com]
Sent: Monday, December 15, 2014 11:36 AM
To: Edelstein, Gary A - DNR
Subject: Stoughton City LF - Spring 2015 Repairs

Mr. Edelstein,

Thank you for inviting Ayres Associates to submit a proposal to conduct repair work for the City of Stoughton Landfill, in Stoughton, Wisconsin. We understand that this project has deficiencies at the site as noted during the October 2014 Semi-Annual Inspection. Per your request, we have developed a scope of work and costs to address selected deficiencies, as detailed in the attached proposal.

We look forward to working with the Department to successfully complete repairs at the site. If you have any questions during review of this proposal, feel free to contact me anytime.

Best Regards,
Neil

Neil E. Carney, PE
Project Manager
Ayres Associates
5201 E. Terrace Drive, Suite 200 • Madison, WI 53718
T: 608.443.1200 • C: 608.354.6311
CarneyN@AyresAssociates.com
www.AyresAssociates.com

AYRES ASSOCIATES

June 25, 2015

Mr. Gary A. Edelstein, PE
Wisconsin Department of Natural Resources
Bureau for Remediation and Redevelopment - RR/5
PO Box 7921
Madison, WI 53707

SUBJECT: Repair Work Completion Report
Stoughton City Landfill
FID No.113005950 - License No. 00133
USEPA ID #WID980901219

Dear Mr. Edelstein:

Ayres Associates has completed repair work for deficiencies noted during the October 2014 Semi-annual Inspection at the City of Stoughton Landfill, in Stoughton, Wisconsin. Repairs were completed on April 4, 2015 as detailed in the following sections.

1.0 Animal Burrow Repair

Repair activities were conducted at the site to address animal burrows near gas vents GV-11 and GV-12. The animal burrows were plugged with topsoil and grass seed previously procured for the site. Refer to Photographs 2015-04-006 and 2015-04-007 for conditions at the noted locations immediately following the repairs.

2.0 Woody Vegetation Removal

Gas vent GV-11 had woody vegetation removed, and the area was backfilled with topsoil and grass seed previously procured for the site. Photograph 2015-04-006 depicts the condition at the noted location immediately following the repair.

3.0 Conclusion

Thank you for the opportunity to serve the Department on this project to complete repairs at the site. If you have any questions during review of this completion report, feel free to contact me by phone at 608.443.1298, or by e-mail at carneyn@ayresassociates.com.

Sincerely,

Ayres Associates Inc

Neil Carney, PE
Project Manager

File: m:\environmental\city of stoughton\stoughton landfill o&m\02 - project information\2015-06 june- repairs completion report\stoughton city lf - 2015 repairs completion report.docx Project: 8.19

2015-04-006: GV11 – Animal Burrow and Woody Vegetation Repair
Date: 4-April-2015
Time: 4:09 PM
Weather: Sunny - P. Sunny, 56 Degrees F.

Signature of Photographer: N. P. Carney

AYRES ASSOCIATES

2015-04-007: GV12 – Animal Burrow Repair
Date: 4-April-2015
Time: 4:25 PM
Weather: Sunny - P. Sunny, 55 Degrees F.

Signature of Photographer: _____

AYRES ASSOCIATES

Edelstein, Gary A - DNR

From: Edelstein, Gary A - DNR
Sent: Monday, April 04, 2016 1:05 PM
To: Smith, Steven (StevenSmith@scsengineers.com); Busse, Leslie (LBusse@scsengineers.com)
Subject: Stoughton City Landfill - QAPP/SAP

Hi Steve and Leslie,

I've read the QAPP/SAP for the Stoughton City Landfill, which we received today and have no comments at this time.

Please proceed with the work using this plan.

FYI, we don't review Health and Safety plans.

Thanks, Gary E

From: Edelstein, Gary A - DNR
Sent: Friday, February 19, 2016 12:41 PM
To: 'Smith, Steven'
Subject: RE: Stoughton City Landfill - Health & Safety Plan

Thanks Steve.

Please submit the QAPP/SAP ASAP. Hard copies of all these documents would be appreciated as well.

Gary E

From: Smith, Steven [mailto:StevenSmith@scsengineers.com]
Sent: Friday, February 05, 2016 8:49 AM
To: Edelstein, Gary A - DNR
Cc: Busse, Leslie
Subject: Stoughton City Landfill - Health & Safety Plan

Gary,
I've attached the new H&S Plan for the site. I'm planning the first site visit for the gas probe monitoring on 2/17.
Let me know if you have any questions.
Thanks,
Steve

Steven Smith
Environmental Specialist

SCS ENGINEERS
2830 Dairy Drive
Madison, WI 53718
608.224.2830
Direct: 608.216.7339
Cell 608.225.2972
stevensmith@scsengineers.com

Edelstein, Gary A - DNR

From: Busse, Leslie <LBusse@scsengineers.com>
Sent: Monday, June 20, 2016 9:32 AM
To: Edelstein, Gary A - DNR
Cc: Smith, Steven
Subject: Stoughton City Landfill - Table of historical detections
Attachments: Historical_Target_Compound_Detections_April_2016.pdf

Hi Gary,

Attached is the table of current and historical detections that you requested. Previous reports referred to it as Table 4. Please let me know if this submittal is sufficient or if you need this mailed to you. Thanks.

Leslie Busse, PE
Senior Project Manager

SCS ENGINEERS
2830 Dairy Drive
Madison, WI 53718
608.224.2830
Direct: 608.216.7343 • Cell: 608.225.1146
www.scsengineers.com

From: Edelstein, Gary A - DNR [mailto:Gary.Edelstein@wisconsin.gov]
Sent: Tuesday, June 07, 2016 4:24 PM
To: Smith, Steven; Busse, Leslie
Subject: Stoughton City Landfill - Annual GW Monitoring and Semiannual Inspection Report

Hi Steve and Leslie,

I received the above-referenced report today. In the past when you had the O&M contract and prepared the GW report, you prepared a historical GW results table like the one attached. Can you please prepare that again under the current scope? I had thought that would have been prepared.

Thanks, Gary E

Gary A. Edelstein, Waste Management Engineer
Wisconsin Department of Natural Resources
Bureau for Remediation and Redevelopment - RR/5
P.O. Box 7921
Madison, WI 53707
(608)267-7563
Internet E-Mail => Gary.Edelstein@wisconsin.gov

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Facebook | Twitter | Flickr | YouTube | RSS

Environmental Consultants
and Contractors

2830 Dairy Drive
Madison, WI 53718-6751

608 224-2830
FAX 608 224-2839
www.scsengineers.com

SCS ENGINEERS

July 10, 2017
File No. 25216022.00

GEMS Data Submittal Contact WA/3
Bureau of Waste & Materials Management
Wisconsin Department of Natural Resources
PO Box 7921
Madison, WI 53707-7921

Subject: Environmental Monitoring Data – May 2017
Stoughton City Landfill, Amundson Parkway, Stoughton, Wisconsin
FID #113005950 – License #133
USEPA ID #WID980901219

Dear GEMS Data Submittal Contact:

SCS Engineers (SCS) has enclosed the Environmental Monitoring Data Certification Form and data disk for the Stoughton City Landfill site for the May 2017 sampling event. The samples were collected by SCS and analyzed by TestAmerica. The attached NR 140 Exceedance Report, prepared by TestAmerica, lists all volatile organic compound detections and highlights any NR 140 standard exceedances.

The only NR 140 groundwater standard exceedance reported was tetrachloroethene at 1.8 micrograms per liter (µg/L) in MW10I, which is consistent with past monitoring events.

If you have any questions or need additional information, please call us at (608) 224-2830.

Sincerely,

Leslie Busse

Leslie Busse, PE
Project Manager
SCS ENGINEERS

SLC

Sherren Clark, PE, PG
Project Director
SCS ENGINEERS

LAB/lmh/SC

cc: Jason Lowery, WDNR
Giang Van Nguyen, USEPA Region V

Enclosures: Environmental Monitoring Data Certification Form 4400-231
Exceedance Report
May 2017 Data Disk

I:\25216022.00\Deliverables\Environmental Monitoring Data Certification\2017\170710_GEMS_Env_Mon_Data_Cert_Form.docx

State of Wisconsin
Department of Natural Resources
dnr.wi.gov

Environmental Monitoring Data Certification

Form 4400-231 (R 5/17)

Notice: Personally identifiable information collected will be used for program administration and enforcement purposes. The Department may also provide this information to requesters as required under Wisconsin's Open Records law, ss. 19.31 to 19.39, Wis. Stats.
When submitting monitoring data, the owner or operator of the facility, practice or activity is required to notify the Department in writing that a groundwater standard or an explosive gas level has been attained or exceeded, as specified in ss. NR 140.24(1)(a); NR 140.26(1)(a); NR 507.30NR 635.14(9)(a); NR 635.18(20) and NR 507.30, Wis. Adm. Code. Failure to report may result in fines, forfeitures or other penalties resulting from enforcement under ss. 289.97, 291.97 or 299.95, Wis. Stats

Instructions:

- **Prepare one form for each license or monitoring ID.**
- **Please type or print legibly.**
- Attach a notification of any values that attain or exceed groundwater standards (that is, preventive action limits, enforcement standards or alternative concentration limits). The notification must include a preliminary analysis of the cause and significance of each value.
- Attach a notification of any gas values that attain or exceed explosive gas levels.
- Send the original signed form, any notification, and Electronic Data Deliverable [EDD] to: GEMS Data Submittal Contact - WA/5
  Wisconsin Department of Natural Resources
  P.O. Box 7921
  Madison, WI 53707-7921

Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner)
TestAmerica Inc.

Contact for questions about data formatting. Include data preparer's name, telephone number and Email address:

Name	Phone No. (include area code)
Sandra Fredrick.	(920) 261-1660

Email
Sandra.Fredrick@testamericainc.com

Facility Name
Stoughton City Landfill -25216022

License # / Monitoring ID	Facility ID (FID)
133	113005950

Actual sampling dates (e.g., July 2-6, 2003)	The enclosed results are for sampling required in the month(s) of: (e.g., June 2003)
May 4-5, 2017	May 2017

Type of Data Submitted (Check all that apply):

- [X] Groundwater monitoring data from monitoring wells
- [ ] Groundwater monitoring data from private water supply wells
- [ ] Leachate monitoring data
- [ ] Gas monitoring data
- [ ] Air monitoring data
- [ ] Other (specify):

Notification attached?

- [ ] No. No groundwater standards or explosive gas limits were exceeded.
- [X] Yes, a notification of values exceeding a groundwater standard is attached. It includes a list of monitoring points, dates, sample values, groundwater standard and preliminary analysis of the cause and significance of any concentration.
- [ ] Yes, a notification of values exceeding an explosive gas limit is attached. It includes the monitoring points, dates, sample values and explosive gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards.

Facility Representative Name (Print)	Title	Phone No. (include area code)
Paula Buckley	Mgr. of Proj. Mgmt. Assistants	(708) 534-5200

Paula Buckley
Signature

6/29/17
Date Signed (mm/dd/yyyy)

For DNR Use Only

Check action taken, and record date and your initials. Describe on back side if necessary.

- [ ] Found uploading problems on _____ Initials
- [ ] Notified contact of problems on _____ Uploaded data successfully on _____

EDD format(s): [ ] Diskette [ ] CD (initial submittal and follow-up) [ ] E-mail (follow-up only) [ ] Other: _____

NR 140 PAL-ES Exceedance Report

Stoughton LF - 25216022

May-17

Sample No	Well ID	Well Name	Date Sampled	Parameter	Description	RESULT	PAL	ES	LOD	Units	PAL Exceeded?	ES Exceeded?
500-127911-1	999	Trip Blank	05/04/2017	77562	1,1,1,2-Tetrachloroethane		7	70	0.46	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	34506	1,1,1-Trichloroethane		40	200	0.38	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	34516	1,1,2,2-Tetrachloroethane		0.02	0.2	0.4	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	34511	1,1,2-Trichloroethane		0.5	5	0.35	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	34496	1,1-Dichloroethane		85	850	0.41	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	34501	1,1-Dichloroethene		0.7	7	0.39	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	77168	1,1-Dichloropropene				0.3	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	77613	1,2,3-Trichlorobenzene				0.46	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	77443	1,2,3-Trichloropropane		12	60	0.41	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	34551	1,2,4-Trichlorobenzene		14	70	0.34	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	77222	1,2,4-Trimethylbenzene		96	480	0.36	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	38437	1,2-Dibromo-3-Chloropropane		0.02	0.2	2	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	77651	1,2-Dibromoethane		0.005	0.05	0.39	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	34536	1,2-Dichlorobenzene		60	600	0.33	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	32103	1,2-Dichloroethane		0.5	5	0.39	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	34541	1,2-Dichloropropane		0.5	5	0.43	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	77226	1,3,5-Trimethylbenzene		96	480	0.25	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	34566	1,3-Dichlorobenzene		120	600	0.4	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	77173	1,3-Dichloropropane				0.36	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	34571	1,4-Dichlorobenzene		15	75	0.36	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	77170	2,2-Dichloropropane				0.44	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	77275	2-Chlorotoluene				0.31	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	77277	4-Chlorotoluene				0.35	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	34030	Benzene		0.5	5	0.15	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	81555	Bromobenzene				0.36	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	77297	Bromochloromethane				0.43	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	32101	Bromodichloromethane		0.06	0.6	0.37	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	32104	Bromoform		0.44	4.4	0.48	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	34413	Bromomethane		1	10	0.8	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	32102	Carbon tetrachloride		0.5	5	0.38	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	34301	Chlorobenzene		20	100	0.39	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	34311	Chloroethane		80	400	0.51	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	32106	Chloroform		0.6	6	0.37	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	34418	Chloromethane		3	30	0.32	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	77093	cis-1,2-Dichloroethene		7	70	0.41	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	34704	cis-1,3-Dichloropropene		0.04	0.4	0.42	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	32105	Dibromochloromethane		6	60	0.49	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	77596	Dibromomethane				0.27	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	34668	Dichlorodifluoromethane		200	1000	0.67	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	77119	Dichlorofluoromethane				0.38	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	78113	Ethylbenzene		140	700	0.18	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	34391	Hexachlorobutadiene				0.45	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	81577	Isopropyl ether				0.28	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	77223	Isopropylbenzene				0.39	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	78032	Methyl tert-butyl ether		12	60	0.39	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	34423	Methylene Chloride		0.5	5	1.6	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	34696	Naphthalene		10	100	0.34	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	77342	n-Butylbenzene				0.39	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	77224	N-Propylbenzene				0.41	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	77356	p-Isopropyltoluene				0.36	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	77350	sec-Butylbenzene				0.4	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	77128	Styrene		10	100	0.39	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	77353	tert-Butylbenzene				0.4	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	34475	Tetrachloroethene		0.5	5	0.37	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	81607	Tetrahydrofuran		10	50	1.9	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	34010	Toluene		160	800	0.15	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	34546	trans-1,2-Dichloroethene		20	100	0.35	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	34699	trans-1,3-Dichloropropene		0.04	0.4	0.36	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	39180	Trichloroethene		0.5	5	0.16	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	34488	Trichlorofluoromethane		698	3490	0.43	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	39175	Vinyl chloride		0.02	0.2	0.2	ug/L		
500-127911-1	999	Trip Blank	05/04/2017	81551	Xylenes, Total		400	2000	0.22	ug/L		
500-127911-10	126	MW9D	05/05/2017	77562	1,1,1,2-Tetrachloroethane		7	70	0.46	ug/L		
500-127911-10	126	MW9D	05/05/2017	34506	1,1,1-Trichloroethane		40	200	0.38	ug/L		
500-127911-10	126	MW9D	05/05/2017	34516	1,1,2,2-Tetrachloroethane		0.02	0.2	0.4	ug/L		
500-127911-10	126	MW9D	05/05/2017	34511	1,1,2-Trichloroethane		0.5	5	0.35	ug/L		
500-127911-10	126	MW9D	05/05/2017	34496	1,1-Dichloroethane		85	850	0.41	ug/L		
500-127911-10	126	MW9D	05/05/2017	34501	1,1-Dichloroethene		0.7	7	0.39	ug/L		
500-127911-10	126	MW9D	05/05/2017	77168	1,1-Dichloropropene				0.3	ug/L		
500-127911-10	126	MW9D	05/05/2017	77613	1,2,3-Trichlorobenzene				0.46	ug/L		

NR 140 PAL-ES Exceedance Report

Stoughton LF - 25216022

May-17

Sample No	Well ID	Well Name	Date Sampled	Parameter	Description	RESULT	PAL	ES	LOD	Units	PAL Exceeded?	ES Exceeded?
500-127911-10	126	MW9D	05/05/2017	77443	1,2,3-Trichloropropane		12	60	0.41	ug/L		
500-127911-10	126	MW9D	05/05/2017	34551	1,2,4-Trichlorobenzene		14	70	0.34	ug/L		
500-127911-10	126	MW9D	05/05/2017	77222	1,2,4-Trimethylbenzene		96	480	0.36	ug/L		
500-127911-10	126	MW9D	05/05/2017	38437	1,2-Dibromo-3-Chloropropane		0.02	0.2	2	ug/L		
500-127911-10	126	MW9D	05/05/2017	77651	1,2-Dibromoethane		0.005	0.05	0.39	ug/L		
500-127911-10	126	MW9D	05/05/2017	34536	1,2-Dichlorobenzene		60	600	0.33	ug/L		
500-127911-10	126	MW9D	05/05/2017	32103	1,2-Dichloroethane		0.5	5	0.39	ug/L		
500-127911-10	126	MW9D	05/05/2017	34541	1,2-Dichloropropane		0.5	5	0.43	ug/L		
500-127911-10	126	MW9D	05/05/2017	77226	1,3,5-Trimethylbenzene		96	480	0.25	ug/L		
500-127911-10	126	MW9D	05/05/2017	34566	1,3-Dichlorobenzene		120	600	0.4	ug/L		
500-127911-10	126	MW9D	05/05/2017	77173	1,3-Dichloropropane				0.36	ug/L		
500-127911-10	126	MW9D	05/05/2017	34571	1,4-Dichlorobenzene		15	75	0.36	ug/L		
500-127911-10	126	MW9D	05/05/2017	77170	2,2-Dichloropropane				0.44	ug/L		
500-127911-10	126	MW9D	05/05/2017	77275	2-Chlorotoluene				0.31	ug/L		
500-127911-10	126	MW9D	05/05/2017	77277	4-Chlorotoluene				0.35	ug/L		
500-127911-10	126	MW9D	05/05/2017	34030	Benzene		0.5	5	0.15	ug/L		
500-127911-10	126	MW9D	05/05/2017	81555	Bromobenzene				0.36	ug/L		
500-127911-10	126	MW9D	05/05/2017	77297	Bromochloromethane				0.43	ug/L		
500-127911-10	126	MW9D	05/05/2017	32101	Bromodichloromethane		0.06	0.6	0.37	ug/L		
500-127911-10	126	MW9D	05/05/2017	32104	Bromoform		0.44	4.4	0.48	ug/L		
500-127911-10	126	MW9D	05/05/2017	34413	Bromomethane		1	10	0.8	ug/L		
500-127911-10	126	MW9D	05/05/2017	32102	Carbon tetrachloride		0.5	5	0.38	ug/L		
500-127911-10	126	MW9D	05/05/2017	34301	Chlorobenzene		20	100	0.39	ug/L		
500-127911-10	126	MW9D	05/05/2017	34311	Chloroethane		80	400	0.51	ug/L		
500-127911-10	126	MW9D	05/05/2017	32106	Chloroform		0.6	6	0.37	ug/L		
500-127911-10	126	MW9D	05/05/2017	34418	Chloromethane		3	30	0.32	ug/L		
500-127911-10	126	MW9D	05/05/2017	77093	cis-1,2-Dichloroethene		7	70	0.41	ug/L		
500-127911-10	126	MW9D	05/05/2017	34704	cis-1,3-Dichloropropene		0.04	0.4	0.42	ug/L		
500-127911-10	126	MW9D	05/05/2017	32105	Dibromochloromethane		6	60	0.49	ug/L		
500-127911-10	126	MW9D	05/05/2017	77596	Dibromomethane				0.27	ug/L		
500-127911-10	126	MW9D	05/05/2017	34668	Dichlorodifluoromethane	3.1	200	1000	0.67	ug/L		
500-127911-10	126	MW9D	05/05/2017	77119	Dichlorofluoromethane				0.38	ug/L		
500-127911-10	126	MW9D	05/05/2017	78113	Ethylbenzene		140	700	0.18	ug/L		
500-127911-10	126	MW9D	05/05/2017	34391	Hexachlorobutadiene				0.45	ug/L		
500-127911-10	126	MW9D	05/05/2017	81577	Isopropyl ether				0.28	ug/L		
500-127911-10	126	MW9D	05/05/2017	77223	Isopropylbenzene				0.39	ug/L		
500-127911-10	126	MW9D	05/05/2017	78032	Methyl tert-butyl ether		12	60	0.39	ug/L		
500-127911-10	126	MW9D	05/05/2017	34423	Methylene Chloride		0.5	5	1.6	ug/L		
500-127911-10	126	MW9D	05/05/2017	34696	Naphthalene		10	100	0.34	ug/L		
500-127911-10	126	MW9D	05/05/2017	77342	n-Butylbenzene				0.39	ug/L		
500-127911-10	126	MW9D	05/05/2017	77224	N-Propylbenzene				0.41	ug/L		
500-127911-10	126	MW9D	05/05/2017	77356	p-Isopropyltoluene				0.36	ug/L		
500-127911-10	126	MW9D	05/05/2017	77350	sec-Butylbenzene				0.4	ug/L		
500-127911-10	126	MW9D	05/05/2017	77128	Styrene		10	100	0.39	ug/L		
500-127911-10	126	MW9D	05/05/2017	77353	tert-Butylbenzene				0.4	ug/L		
500-127911-10	126	MW9D	05/05/2017	34475	Tetrachloroethene		0.5	5	0.37	ug/L		
500-127911-10	126	MW9D	05/05/2017	81607	Tetrahydrofuran		10	50	1.9	ug/L		
500-127911-10	126	MW9D	05/05/2017	34010	Toluene		160	800	0.15	ug/L		
500-127911-10	126	MW9D	05/05/2017	34546	trans-1,2-Dichloroethene		20	100	0.35	ug/L		
500-127911-10	126	MW9D	05/05/2017	34699	trans-1,3-Dichloropropene		0.04	0.4	0.36	ug/L		
500-127911-10	126	MW9D	05/05/2017	39180	Trichloroethene		0.5	5	0.16	ug/L		
500-127911-10	126	MW9D	05/05/2017	34488	Trichlorofluoromethane	1.5	698	3490	0.43	ug/L		
500-127911-10	126	MW9D	05/05/2017	39175	Vinyl chloride		0.02	0.2	0.2	ug/L		
500-127911-10	126	MW9D	05/05/2017	81551	Xylenes, Total		400	2000	0.22	ug/L		
500-127911-11	125	MW9I	05/05/2017	77562	1,1,1,2-Tetrachloroethane		7	70	0.46	ug/L		
500-127911-11	125	MW9I	05/05/2017	34506	1,1,1-Trichloroethane		40	200	0.38	ug/L		
500-127911-11	125	MW9I	05/05/2017	34516	1,1,2,2-Tetrachloroethane		0.02	0.2	0.4	ug/L		
500-127911-11	125	MW9I	05/05/2017	34511	1,1,2-Trichloroethane		0.5	5	0.35	ug/L		
500-127911-11	125	MW9I	05/05/2017	34496	1,1-Dichloroethane		85	850	0.41	ug/L		
500-127911-11	125	MW9I	05/05/2017	34501	1,1-Dichloroethene		0.7	7	0.39	ug/L		
500-127911-11	125	MW9I	05/05/2017	77168	1,1-Dichloropropene				0.3	ug/L		
500-127911-11	125	MW9I	05/05/2017	77613	1,2,3-Trichlorobenzene				0.46	ug/L		
500-127911-11	125	MW9I	05/05/2017	77443	1,2,3-Trichloropropane		12	60	0.41	ug/L		
500-127911-11	125	MW9I	05/05/2017	34551	1,2,4-Trichlorobenzene		14	70	0.34	ug/L		
500-127911-11	125	MW9I	05/05/2017	77222	1,2,4-Trimethylbenzene		96	480	0.36	ug/L		
500-127911-11	125	MW9I	05/05/2017	38437	1,2-Dibromo-3-Chloropropane		0.02	0.2	2	ug/L		
500-127911-11	125	MW9I	05/05/2017	77651	1,2-Dibromoethane		0.005	0.05	0.39	ug/L		
500-127911-11	125	MW9I	05/05/2017	34536	1,2-Dichlorobenzene		60	600	0.33	ug/L		
500-127911-11	125	MW9I	05/05/2017	32103	1,2-Dichloroethane		0.5	5	0.39	ug/L		
500-127911-11	125	MW9I	05/05/2017	34541	1,2-Dichloropropane		0.5	5	0.43	ug/L		

NR 140 PAL-ES Exceedance Report

Stoughton LF - 25216022

May-17

Sample No	Well ID	Well Name	Date Sampled	Parameter	Description	RESULT	PAL	ES	LOD	Units	PAL Exceeded?	ES Exceeded?
500-127911-11	125	MW9I	05/05/2017	77226	1,3,5-Trimethylbenzene		96	480	0.25	ug/L		
500-127911-11	125	MW9I	05/05/2017	34566	1,3-Dichlorobenzene		120	600	0.4	ug/L		
500-127911-11	125	MW9I	05/05/2017	77173	1,3-Dichloropropane				0.36	ug/L		
500-127911-11	125	MW9I	05/05/2017	34571	1,4-Dichlorobenzene		15	75	0.36	ug/L		
500-127911-11	125	MW9I	05/05/2017	77170	2,2-Dichloropropane				0.44	ug/L		
500-127911-11	125	MW9I	05/05/2017	77275	2-Chlorotoluene				0.31	ug/L		
500-127911-11	125	MW9I	05/05/2017	77277	4-Chlorotoluene				0.35	ug/L		
500-127911-11	125	MW9I	05/05/2017	34030	Benzene		0.5	5	0.15	ug/L		
500-127911-11	125	MW9I	05/05/2017	81555	Bromobenzene				0.36	ug/L		
500-127911-11	125	MW9I	05/05/2017	77297	Bromochloromethane				0.43	ug/L		
500-127911-11	125	MW9I	05/05/2017	32101	Bromodichloromethane		0.06	0.6	0.37	ug/L		
500-127911-11	125	MW9I	05/05/2017	32104	Bromoform		0.44	4.4	0.48	ug/L		
500-127911-11	125	MW9I	05/05/2017	34413	Bromomethane		1	10	0.8	ug/L		
500-127911-11	125	MW9I	05/05/2017	32102	Carbon tetrachloride		0.5	5	0.38	ug/L		
500-127911-11	125	MW9I	05/05/2017	34301	Chlorobenzene		20	100	0.39	ug/L		
500-127911-11	125	MW9I	05/05/2017	34311	Chloroethane		80	400	0.51	ug/L		
500-127911-11	125	MW9I	05/05/2017	32106	Chloroform		0.6	6	0.37	ug/L		
500-127911-11	125	MW9I	05/05/2017	34418	Chloromethane		3	30	0.32	ug/L		
500-127911-11	125	MW9I	05/05/2017	77093	cis-1,2-Dichloroethene		7	70	0.41	ug/L		
500-127911-11	125	MW9I	05/05/2017	34704	cis-1,3-Dichloropropene		0.04	0.4	0.42	ug/L		
500-127911-11	125	MW9I	05/05/2017	32105	Dibromochloromethane		6	60	0.49	ug/L		
500-127911-11	125	MW9I	05/05/2017	77596	Dibromomethane				0.27	ug/L		
500-127911-11	125	MW9I	05/05/2017	34668	Dichlorodifluoromethane	24	200	1000	0.67	ug/L		
500-127911-11	125	MW9I	05/05/2017	77119	Dichlorofluoromethane	13			0.38	ug/L		
500-127911-11	125	MW9I	05/05/2017	78113	Ethylbenzene		140	700	0.18	ug/L		
500-127911-11	125	MW9I	05/05/2017	34391	Hexachlorobutadiene				0.45	ug/L		
500-127911-11	125	MW9I	05/05/2017	81577	Isopropyl ether				0.28	ug/L		
500-127911-11	125	MW9I	05/05/2017	77223	Isopropylbenzene				0.39	ug/L		
500-127911-11	125	MW9I	05/05/2017	78032	Methyl tert-butyl ether		12	60	0.39	ug/L		
500-127911-11	125	MW9I	05/05/2017	34423	Methylene Chloride		0.5	5	1.6	ug/L		
500-127911-11	125	MW9I	05/05/2017	34696	Naphthalene		10	100	0.34	ug/L		
500-127911-11	125	MW9I	05/05/2017	77342	n-Butylbenzene				0.39	ug/L		
500-127911-11	125	MW9I	05/05/2017	77224	N-Propylbenzene				0.41	ug/L		
500-127911-11	125	MW9I	05/05/2017	77356	p-Isopropyltoluene				0.36	ug/L		
500-127911-11	125	MW9I	05/05/2017	77350	sec-Butylbenzene				0.4	ug/L		
500-127911-11	125	MW9I	05/05/2017	77128	Styrene		10	100	0.39	ug/L		
500-127911-11	125	MW9I	05/05/2017	77353	tert-Butylbenzene				0.4	ug/L		
500-127911-11	125	MW9I	05/05/2017	34475	Tetrachloroethene		0.5	5	0.37	ug/L		
500-127911-11	125	MW9I	05/05/2017	81607	Tetrahydrofuran		10	50	1.9	ug/L		
500-127911-11	125	MW9I	05/05/2017	34010	Toluene		160	800	0.15	ug/L		
500-127911-11	125	MW9I	05/05/2017	34546	trans-1,2-Dichloroethene		20	100	0.35	ug/L		
500-127911-11	125	MW9I	05/05/2017	34699	trans-1,3-Dichloropropene		0.04	0.4	0.36	ug/L		
500-127911-11	125	MW9I	05/05/2017	39180	Trichloroethene		0.5	5	0.16	ug/L		
500-127911-11	125	MW9I	05/05/2017	34488	Trichlorofluoromethane		698	3490	0.43	ug/L		
500-127911-11	125	MW9I	05/05/2017	39175	Vinyl chloride		0.02	0.2	0.2	ug/L		
500-127911-11	125	MW9I	05/05/2017	81551	Xylenes, Total		400	2000	0.22	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	77562	1,1,1,2-Tetrachloroethane		7	70	0.46	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	34506	1,1,1-Trichloroethane		40	200	0.38	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	34516	1,1,2,2-Tetrachloroethane		0.02	0.2	0.4	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	34511	1,1,2-Trichloroethane		0.5	5	0.35	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	34496	1,1-Dichloroethane		85	850	0.41	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	34501	1,1-Dichloroethene		0.7	7	0.39	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	77168	1,1-Dichloropropene				0.3	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	77613	1,2,3-Trichlorobenzene				0.46	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	77443	1,2,3-Trichloropropane		12	60	0.41	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	34551	1,2,4-Trichlorobenzene		14	70	0.34	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	77222	1,2,4-Trimethylbenzene		96	480	0.36	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	38437	1,2-Dibromo-3-Chloropropane		0.02	0.2	2	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	77651	1,2-Dibromoethane		0.005	0.05	0.39	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	34536	1,2-Dichlorobenzene		60	600	0.33	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	32103	1,2-Dichloroethane		0.5	5	0.39	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	34541	1,2-Dichloropropane		0.5	5	0.43	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	77226	1,3,5-Trimethylbenzene		96	480	0.25	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	34566	1,3-Dichlorobenzene		120	600	0.4	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	77173	1,3-Dichloropropane				0.36	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	34571	1,4-Dichlorobenzene		15	75	0.36	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	77170	2,2-Dichloropropane				0.44	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	77275	2-Chlorotoluene				0.31	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	77277	4-Chlorotoluene				0.35	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	34030	Benzene		0.5	5	0.15	ug/L		

NR 140 PAL-ES Exceedance Report

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May-17

Sample No	Well ID	Well Name	Date Sampled	Parameter	Description	RESULT	PAL	ES	LOD	Units	PAL Exceeded?	ES Exceeded?
500-127911-12	125	MW9I DUP	05/05/2017	81555	Bromobenzene				0.36	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	77297	Bromochloromethane				0.43	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	32101	Bromodichloromethane		0.06	0.6	0.37	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	32104	Bromoform		0.44	4.4	0.48	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	34413	Bromomethane		1	10	0.8	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	32102	Carbon tetrachloride		0.5	5	0.38	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	34301	Chlorobenzene		20	100	0.39	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	34311	Chloroethane		80	400	0.51	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	32106	Chloroform		0.6	6	0.37	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	34418	Chloromethane		3	30	0.32	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	77093	cis-1,2-Dichloroethene		7	70	0.41	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	34704	cis-1,3-Dichloropropene		0.04	0.4	0.42	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	32105	Dibromochloromethane		6	60	0.49	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	77596	Dibromomethane				0.27	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	34668	Dichlorodifluoromethane	26	200	1000	0.67	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	77119	Dichlorofluoromethane	14			0.38	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	78113	Ethylbenzene		140	700	0.18	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	34391	Hexachlorobutadiene				0.45	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	81577	Isopropyl ether				0.28	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	77223	Isopropylbenzene				0.39	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	78032	Methyl tert-butyl ether		12	60	0.39	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	34423	Methylene Chloride		0.5	5	1.6	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	34696	Naphthalene		10	100	0.34	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	77342	n-Butylbenzene				0.39	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	77224	N-Propylbenzene				0.41	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	77356	p-Isopropyltoluene				0.36	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	77350	sec-Butylbenzene				0.4	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	77128	Styrene		10	100	0.39	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	77353	tert-Butylbenzene				0.4	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	34475	Tetrachloroethene		0.5	5	0.37	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	81607	Tetrahydrofuran		10	50	1.9	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	34010	Toluene		160	800	0.15	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	34546	trans-1,2-Dichloroethene		20	100	0.35	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	34699	trans-1,3-Dichloropropene		0.04	0.4	0.36	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	39180	Trichloroethene	0.39	0.5	5	0.16	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	34488	Trichlorofluoromethane		698	3490	0.43	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	39175	Vinyl chloride		0.02	0.2	0.2	ug/L		
500-127911-12	125	MW9I DUP	05/05/2017	81551	Xylenes, Total		400	2000	0.22	ug/L		
500-127911-13	127	MW10S	05/05/2017	77562	1,1,1,2-Tetrachloroethane		7	70	0.46	ug/L		
500-127911-13	127	MW10S	05/05/2017	34506	1,1,1-Trichloroethane		40	200	0.38	ug/L		
500-127911-13	127	MW10S	05/05/2017	34516	1,1,2,2-Tetrachloroethane		0.02	0.2	0.4	ug/L		
500-127911-13	127	MW10S	05/05/2017	34511	1,1,2-Trichloroethane		0.5	5	0.35	ug/L		
500-127911-13	127	MW10S	05/05/2017	34496	1,1-Dichloroethane		85	850	0.41	ug/L		
500-127911-13	127	MW10S	05/05/2017	34501	1,1-Dichloroethene		0.7	7	0.39	ug/L		
500-127911-13	127	MW10S	05/05/2017	77168	1,1-Dichloropropene				0.3	ug/L		
500-127911-13	127	MW10S	05/05/2017	77613	1,2,3-Trichlorobenzene				0.46	ug/L		
500-127911-13	127	MW10S	05/05/2017	77443	1,2,3-Trichloropropane		12	60	0.41	ug/L		
500-127911-13	127	MW10S	05/05/2017	34551	1,2,4-Trichlorobenzene		14	70	0.34	ug/L		
500-127911-13	127	MW10S	05/05/2017	77222	1,2,4-Trimethylbenzene		96	480	0.36	ug/L		
500-127911-13	127	MW10S	05/05/2017	38437	1,2-Dibromo-3-Chloropropane		0.02	0.2	2	ug/L		
500-127911-13	127	MW10S	05/05/2017	77651	1,2-Dibromoethane		0.005	0.05	0.39	ug/L		
500-127911-13	127	MW10S	05/05/2017	34536	1,2-Dichlorobenzene		60	600	0.33	ug/L		
500-127911-13	127	MW10S	05/05/2017	32103	1,2-Dichloroethane		0.5	5	0.39	ug/L		
500-127911-13	127	MW10S	05/05/2017	34541	1,2-Dichloropropane		0.5	5	0.43	ug/L		
500-127911-13	127	MW10S	05/05/2017	77226	1,3,5-Trimethylbenzene		96	480	0.25	ug/L		
500-127911-13	127	MW10S	05/05/2017	34566	1,3-Dichlorobenzene		120	600	0.4	ug/L		
500-127911-13	127	MW10S	05/05/2017	77173	1,3-Dichloropropane				0.36	ug/L		
500-127911-13	127	MW10S	05/05/2017	34571	1,4-Dichlorobenzene		15	75	0.36	ug/L		
500-127911-13	127	MW10S	05/05/2017	77170	2,2-Dichloropropane				0.44	ug/L		
500-127911-13	127	MW10S	05/05/2017	77275	2-Chlorotoluene				0.31	ug/L		
500-127911-13	127	MW10S	05/05/2017	77277	4-Chlorotoluene				0.35	ug/L		
500-127911-13	127	MW10S	05/05/2017	34030	Benzene		0.5	5	0.15	ug/L		
500-127911-13	127	MW10S	05/05/2017	81555	Bromobenzene				0.36	ug/L		
500-127911-13	127	MW10S	05/05/2017	77297	Bromochloromethane				0.43	ug/L		
500-127911-13	127	MW10S	05/05/2017	32101	Bromodichloromethane		0.06	0.6	0.37	ug/L		
500-127911-13	127	MW10S	05/05/2017	32104	Bromoform		0.44	4.4	0.48	ug/L		
500-127911-13	127	MW10S	05/05/2017	34413	Bromomethane		1	10	0.8	ug/L		
500-127911-13	127	MW10S	05/05/2017	32102	Carbon tetrachloride		0.5	5	0.38	ug/L		
500-127911-13	127	MW10S	05/05/2017	34301	Chlorobenzene		20	100	0.39	ug/L		
500-127911-13	127	MW10S	05/05/2017	34311	Chloroethane		80	400	0.51	ug/L		

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Sample No	Well ID	Well Name	Date Sampled	Parameter	Description	RESULT	PAL	ES	LOD	Units	PAL Exceeded?	ES Exceeded?
500-127911-13	127	MW10S	05/05/2017	32106	Chloroform		0.6	6	0.37	ug/L		
500-127911-13	127	MW10S	05/05/2017	34418	Chloromethane		3	30	0.32	ug/L		
500-127911-13	127	MW10S	05/05/2017	77093	cis-1,2-Dichloroethene		7	70	0.41	ug/L		
500-127911-13	127	MW10S	05/05/2017	34704	cis-1,3-Dichloropropene		0.04	0.4	0.42	ug/L		
500-127911-13	127	MW10S	05/05/2017	32105	Dibromochloromethane		6	60	0.49	ug/L		
500-127911-13	127	MW10S	05/05/2017	77596	Dibromomethane				0.27	ug/L		
500-127911-13	127	MW10S	05/05/2017	34668	Dichlorodifluoromethane		200	1000	0.67	ug/L		
500-127911-13	127	MW10S	05/05/2017	77119	Dichlorofluoromethane				0.38	ug/L		
500-127911-13	127	MW10S	05/05/2017	78113	Ethylbenzene		140	700	0.18	ug/L		
500-127911-13	127	MW10S	05/05/2017	34391	Hexachlorobutadiene				0.45	ug/L		
500-127911-13	127	MW10S	05/05/2017	81577	Isopropyl ether				0.28	ug/L		
500-127911-13	127	MW10S	05/05/2017	77223	Isopropylbenzene				0.39	ug/L		
500-127911-13	127	MW10S	05/05/2017	78032	Methyl tert-butyl ether		12	60	0.39	ug/L		
500-127911-13	127	MW10S	05/05/2017	34423	Methylene Chloride		0.5	5	1.6	ug/L		
500-127911-13	127	MW10S	05/05/2017	34696	Naphthalene		10	100	0.34	ug/L		
500-127911-13	127	MW10S	05/05/2017	77342	n-Butylbenzene				0.39	ug/L		
500-127911-13	127	MW10S	05/05/2017	77224	N-Propylbenzene				0.41	ug/L		
500-127911-13	127	MW10S	05/05/2017	77356	p-Isopropyltoluene				0.36	ug/L		
500-127911-13	127	MW10S	05/05/2017	77350	sec-Butylbenzene				0.4	ug/L		
500-127911-13	127	MW10S	05/05/2017	77128	Styrene		10	100	0.39	ug/L		
500-127911-13	127	MW10S	05/05/2017	77353	tert-Butylbenzene				0.4	ug/L		
500-127911-13	127	MW10S	05/05/2017	34475	Tetrachloroethene		0.5	5	0.37	ug/L		
500-127911-13	127	MW10S	05/05/2017	81607	Tetrahydrofuran		10	50	1.9	ug/L		
500-127911-13	127	MW10S	05/05/2017	34010	Toluene		160	800	0.15	ug/L		
500-127911-13	127	MW10S	05/05/2017	34546	trans-1,2-Dichloroethene		20	100	0.35	ug/L		
500-127911-13	127	MW10S	05/05/2017	34699	trans-1,3-Dichloropropene		0.04	0.4	0.36	ug/L		
500-127911-13	127	MW10S	05/05/2017	39180	Trichloroethene		0.5	5	0.16	ug/L		
500-127911-13	127	MW10S	05/05/2017	34488	Trichlorofluoromethane		698	3490	0.43	ug/L		
500-127911-13	127	MW10S	05/05/2017	39175	Vinyl chloride		0.02	0.2	0.2	ug/L		
500-127911-13	127	MW10S	05/05/2017	81551	Xylenes, Total		400	2000	0.22	ug/L		
500-127911-14	128	MW10I	05/05/2017	77562	1,1,1,2-Tetrachloroethane		7	70	0.46	ug/L		
500-127911-14	128	MW10I	05/05/2017	34506	1,1,1-Trichloroethane		40	200	0.38	ug/L		
500-127911-14	128	MW10I	05/05/2017	34516	1,1,2,2-Tetrachloroethane		0.02	0.2	0.4	ug/L		
500-127911-14	128	MW10I	05/05/2017	34511	1,1,2-Trichloroethane		0.5	5	0.35	ug/L		
500-127911-14	128	MW10I	05/05/2017	34496	1,1-Dichloroethane		85	850	0.41	ug/L		
500-127911-14	128	MW10I	05/05/2017	34501	1,1-Dichloroethene		0.7	7	0.39	ug/L		
500-127911-14	128	MW10I	05/05/2017	77168	1,1-Dichloropropene				0.3	ug/L		
500-127911-14	128	MW10I	05/05/2017	77613	1,2,3-Trichlorobenzene				0.46	ug/L		
500-127911-14	128	MW10I	05/05/2017	77443	1,2,3-Trichloropropane		12	60	0.41	ug/L		
500-127911-14	128	MW10I	05/05/2017	34551	1,2,4-Trichlorobenzene		14	70	0.34	ug/L		
500-127911-14	128	MW10I	05/05/2017	77222	1,2,4-Trimethylbenzene		96	480	0.36	ug/L		
500-127911-14	128	MW10I	05/05/2017	38437	1,2-Dibromo-3-Chloropropane		0.02	0.2	2	ug/L		
500-127911-14	128	MW10I	05/05/2017	77651	1,2-Dibromoethane		0.005	0.05	0.39	ug/L		
500-127911-14	128	MW10I	05/05/2017	34536	1,2-Dichlorobenzene		60	600	0.33	ug/L		
500-127911-14	128	MW10I	05/05/2017	32103	1,2-Dichloroethane		0.5	5	0.39	ug/L		
500-127911-14	128	MW10I	05/05/2017	34541	1,2-Dichloropropane		0.5	5	0.43	ug/L		
500-127911-14	128	MW10I	05/05/2017	77226	1,3,5-Trimethylbenzene		96	480	0.25	ug/L		
500-127911-14	128	MW10I	05/05/2017	34566	1,3-Dichlorobenzene		120	600	0.4	ug/L		
500-127911-14	128	MW10I	05/05/2017	77173	1,3-Dichloropropane				0.36	ug/L		
500-127911-14	128	MW10I	05/05/2017	34571	1,4-Dichlorobenzene		15	75	0.36	ug/L		
500-127911-14	128	MW10I	05/05/2017	77170	2,2-Dichloropropane				0.44	ug/L		
500-127911-14	128	MW10I	05/05/2017	77275	2-Chlorotoluene				0.31	ug/L		
500-127911-14	128	MW10I	05/05/2017	77277	4-Chlorotoluene				0.35	ug/L		
500-127911-14	128	MW10I	05/05/2017	34030	Benzene		0.5	5	0.15	ug/L		
500-127911-14	128	MW10I	05/05/2017	81555	Bromobenzene				0.36	ug/L		
500-127911-14	128	MW10I	05/05/2017	77297	Bromochloromethane				0.43	ug/L		
500-127911-14	128	MW10I	05/05/2017	32101	Bromodichloromethane		0.06	0.6	0.37	ug/L		
500-127911-14	128	MW10I	05/05/2017	32104	Bromoform		0.44	4.4	0.48	ug/L		
500-127911-14	128	MW10I	05/05/2017	34413	Bromomethane		1	10	0.8	ug/L		
500-127911-14	128	MW10I	05/05/2017	32102	Carbon tetrachloride		0.5	5	0.38	ug/L		
500-127911-14	128	MW10I	05/05/2017	34301	Chlorobenzene		20	100	0.39	ug/L		
500-127911-14	128	MW10I	05/05/2017	34311	Chloroethane		80	400	0.51	ug/L		
500-127911-14	128	MW10I	05/05/2017	32106	Chloroform		0.6	6	0.37	ug/L		
500-127911-14	128	MW10I	05/05/2017	34418	Chloromethane		3	30	0.32	ug/L		
500-127911-14	128	MW10I	05/05/2017	77093	cis-1,2-Dichloroethene		7	70	0.41	ug/L		
500-127911-14	128	MW10I	05/05/2017	34704	cis-1,3-Dichloropropene		0.04	0.4	0.42	ug/L		
500-127911-14	128	MW10I	05/05/2017	32105	Dibromochloromethane		6	60	0.49	ug/L		
500-127911-14	128	MW10I	05/05/2017	77596	Dibromomethane				0.27	ug/L		
500-127911-14	128	MW10I	05/05/2017	34668	Dichlorodifluoromethane	12	200	1000	0.67	ug/L		
500-127911-14	128	MW10I	05/05/2017	77119	Dichlorofluoromethane	6.1			0.38	ug/L		

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Sample No	Well ID	Well Name	Date Sampled	Parameter	Description	RESULT	PAL	ES	LOD	Units	PAL Exceeded?	ES Exceeded?
500-127911-14	128	MW10I	05/05/2017	78113	Ethylbenzene		140	700	0.18	ug/L		
500-127911-14	128	MW10I	05/05/2017	34391	Hexachlorobutadiene				0.45	ug/L		
500-127911-14	128	MW10I	05/05/2017	81577	Isopropyl ether				0.28	ug/L		
500-127911-14	128	MW10I	05/05/2017	77223	Isopropylbenzene				0.39	ug/L		
500-127911-14	128	MW10I	05/05/2017	78032	Methyl tert-butyl ether		12	60	0.39	ug/L		
500-127911-14	128	MW10I	05/05/2017	34423	Methylene Chloride		0.5	5	1.6	ug/L		
500-127911-14	128	MW10I	05/05/2017	34696	Naphthalene		10	100	0.34	ug/L		
500-127911-14	128	MW10I	05/05/2017	77342	n-Butylbenzene				0.39	ug/L		
500-127911-14	128	MW10I	05/05/2017	77224	N-Propylbenzene				0.41	ug/L		
500-127911-14	128	MW10I	05/05/2017	77356	p-Isopropyltoluene				0.36	ug/L		
500-127911-14	128	MW10I	05/05/2017	77350	sec-Butylbenzene				0.4	ug/L		
500-127911-14	128	MW10I	05/05/2017	77128	Styrene		10	100	0.39	ug/L		
500-127911-14	128	MW10I	05/05/2017	77353	tert-Butylbenzene				0.4	ug/L		
500-127911-14	128	MW10I	05/05/2017	34475	Tetrachloroethene	1.8	0.5	5	0.37	ug/L	PAL Exceeded	
500-127911-14	128	MW10I	05/05/2017	81607	Tetrahydrofuran		10	50	1.9	ug/L		
500-127911-14	128	MW10I	05/05/2017	34010	Toluene		160	800	0.15	ug/L		
500-127911-14	128	MW10I	05/05/2017	34546	trans-1,2-Dichloroethene		20	100	0.35	ug/L		
500-127911-14	128	MW10I	05/05/2017	34699	trans-1,3-Dichloropropene		0.04	0.4	0.36	ug/L		
500-127911-14	128	MW10I	05/05/2017	39180	Trichloroethene		0.5	5	0.16	ug/L		
500-127911-14	128	MW10I	05/05/2017	34488	Trichlorofluoromethane		698	3490	0.43	ug/L		
500-127911-14	128	MW10I	05/05/2017	39175	Vinyl chloride		0.02	0.2	0.2	ug/L		
500-127911-14	128	MW10I	05/05/2017	81551	Xylenes, Total		400	2000	0.22	ug/L		
500-127911-15	131	MW13I	05/05/2017	34668	Dichlorodifluoromethane		200	1000	0.67	ug/L		
500-127911-15	131	MW13I	05/05/2017	81607	Tetrahydrofuran		10	50	1.9	ug/L		
500-127911-16	133	MW14S	05/05/2017	77562	1,1,1,2-Tetrachloroethane		7	70	0.46	ug/L		
500-127911-16	133	MW14S	05/05/2017	34506	1,1,1-Trichloroethane		40	200	0.38	ug/L		
500-127911-16	133	MW14S	05/05/2017	34516	1,1,2,2-Tetrachloroethane		0.02	0.2	0.4	ug/L		
500-127911-16	133	MW14S	05/05/2017	34511	1,1,2-Trichloroethane		0.5	5	0.35	ug/L		
500-127911-16	133	MW14S	05/05/2017	34496	1,1-Dichloroethane		85	850	0.41	ug/L		
500-127911-16	133	MW14S	05/05/2017	34501	1,1-Dichloroethene		0.7	7	0.39	ug/L		
500-127911-16	133	MW14S	05/05/2017	77168	1,1-Dichloropropene				0.3	ug/L		
500-127911-16	133	MW14S	05/05/2017	77613	1,2,3-Trichlorobenzene				0.46	ug/L		
500-127911-16	133	MW14S	05/05/2017	77443	1,2,3-Trichloropropane		12	60	0.41	ug/L		
500-127911-16	133	MW14S	05/05/2017	34551	1,2,4-Trichlorobenzene		14	70	0.34	ug/L		
500-127911-16	133	MW14S	05/05/2017	77222	1,2,4-Trimethylbenzene		96	480	0.36	ug/L		
500-127911-16	133	MW14S	05/05/2017	38437	1,2-Dibromo-3-Chloropropane		0.02	0.2	2	ug/L		
500-127911-16	133	MW14S	05/05/2017	77651	1,2-Dibromoethane		0.005	0.05	0.39	ug/L		
500-127911-16	133	MW14S	05/05/2017	34536	1,2-Dichlorobenzene		60	600	0.33	ug/L		
500-127911-16	133	MW14S	05/05/2017	32103	1,2-Dichloroethane		0.5	5	0.39	ug/L		
500-127911-16	133	MW14S	05/05/2017	34541	1,2-Dichloropropane		0.5	5	0.43	ug/L		
500-127911-16	133	MW14S	05/05/2017	77226	1,3,5-Trimethylbenzene		96	480	0.25	ug/L		
500-127911-16	133	MW14S	05/05/2017	34566	1,3-Dichlorobenzene		120	600	0.4	ug/L		
500-127911-16	133	MW14S	05/05/2017	77173	1,3-Dichloropropane				0.36	ug/L		
500-127911-16	133	MW14S	05/05/2017	34571	1,4-Dichlorobenzene		15	75	0.36	ug/L		
500-127911-16	133	MW14S	05/05/2017	77170	2,2-Dichloropropane				0.44	ug/L		
500-127911-16	133	MW14S	05/05/2017	77275	2-Chlorotoluene				0.31	ug/L		
500-127911-16	133	MW14S	05/05/2017	77277	4-Chlorotoluene				0.35	ug/L		
500-127911-16	133	MW14S	05/05/2017	34030	Benzene		0.5	5	0.15	ug/L		
500-127911-16	133	MW14S	05/05/2017	81555	Bromobenzene				0.36	ug/L		
500-127911-16	133	MW14S	05/05/2017	77297	Bromochloromethane				0.43	ug/L		
500-127911-16	133	MW14S	05/05/2017	32101	Bromodichloromethane		0.06	0.6	0.37	ug/L		
500-127911-16	133	MW14S	05/05/2017	32104	Bromoform		0.44	4.4	0.48	ug/L		
500-127911-16	133	MW14S	05/05/2017	34413	Bromomethane		1	10	0.8	ug/L		
500-127911-16	133	MW14S	05/05/2017	32102	Carbon tetrachloride		0.5	5	0.38	ug/L		
500-127911-16	133	MW14S	05/05/2017	34301	Chlorobenzene		20	100	0.39	ug/L		
500-127911-16	133	MW14S	05/05/2017	34311	Chloroethane		80	400	0.51	ug/L		
500-127911-16	133	MW14S	05/05/2017	32106	Chloroform		0.6	6	0.37	ug/L		
500-127911-16	133	MW14S	05/05/2017	34418	Chloromethane		3	30	0.32	ug/L		
500-127911-16	133	MW14S	05/05/2017	77093	cis-1,2-Dichloroethene		7	70	0.41	ug/L		
500-127911-16	133	MW14S	05/05/2017	34704	cis-1,3-Dichloropropene		0.04	0.4	0.42	ug/L		
500-127911-16	133	MW14S	05/05/2017	32105	Dibromochloromethane		6	60	0.49	ug/L		
500-127911-16	133	MW14S	05/05/2017	77596	Dibromomethane				0.27	ug/L		
500-127911-16	133	MW14S	05/05/2017	34668	Dichlorodifluoromethane		200	1000	0.67	ug/L		
500-127911-16	133	MW14S	05/05/2017	77119	Dichlorofluoromethane				0.38	ug/L		
500-127911-16	133	MW14S	05/05/2017	78113	Ethylbenzene		140	700	0.18	ug/L		
500-127911-16	133	MW14S	05/05/2017	34391	Hexachlorobutadiene				0.45	ug/L		
500-127911-16	133	MW14S	05/05/2017	81577	Isopropyl ether				0.28	ug/L		
500-127911-16	133	MW14S	05/05/2017	77223	Isopropylbenzene				0.39	ug/L		
500-127911-16	133	MW14S	05/05/2017	78032	Methyl tert-butyl ether		12	60	0.39	ug/L		
500-127911-16	133	MW14S	05/05/2017	34423	Methylene Chloride		0.5	5	1.6	ug/L		

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Stoughton LF - 25216022

May-17

Sample No	Well ID	Well Name	Date Sampled	Parameter	Description	RESULT	PAL	ES	LOD	Units	PAL Exceeded?	ES Exceeded?
500-127911-16	133	MW14S	05/05/2017	34696	Naphthalene		10	100	0.34	ug/L		
500-127911-16	133	MW14S	05/05/2017	77342	n-Butylbenzene				0.39	ug/L		
500-127911-16	133	MW14S	05/05/2017	77224	N-Propylbenzene				0.41	ug/L		
500-127911-16	133	MW14S	05/05/2017	77356	p-Isopropyltoluene				0.36	ug/L		
500-127911-16	133	MW14S	05/05/2017	77350	sec-Butylbenzene				0.4	ug/L		
500-127911-16	133	MW14S	05/05/2017	77128	Styrene		10	100	0.39	ug/L		
500-127911-16	133	MW14S	05/05/2017	77353	tert-Butylbenzene				0.4	ug/L		
500-127911-16	133	MW14S	05/05/2017	34475	Tetrachloroethene		0.5	5	0.37	ug/L		
500-127911-16	133	MW14S	05/05/2017	81607	Tetrahydrofuran		10	50	1.9	ug/L		
500-127911-16	133	MW14S	05/05/2017	34010	Toluene		160	800	0.15	ug/L		
500-127911-16	133	MW14S	05/05/2017	34546	trans-1,2-Dichloroethene		20	100	0.35	ug/L		
500-127911-16	133	MW14S	05/05/2017	34699	trans-1,3-Dichloropropene		0.04	0.4	0.36	ug/L		
500-127911-16	133	MW14S	05/05/2017	39180	Trichloroethene		0.5	5	0.16	ug/L		
500-127911-16	133	MW14S	05/05/2017	34488	Trichlorofluoromethane		698	3490	0.43	ug/L		
500-127911-16	133	MW14S	05/05/2017	39175	Vinyl chloride		0.02	0.2	0.2	ug/L		
500-127911-16	133	MW14S	05/05/2017	81551	Xylenes, Total		400	2000	0.22	ug/L		
500-127911-17	134	MW14I	05/05/2017	77562	1,1,1,2-Tetrachloroethane		7	70	0.46	ug/L		
500-127911-17	134	MW14I	05/05/2017	34506	1,1,1-Trichloroethane		40	200	0.38	ug/L		
500-127911-17	134	MW14I	05/05/2017	34516	1,1,2,2-Tetrachloroethane		0.02	0.2	0.4	ug/L		
500-127911-17	134	MW14I	05/05/2017	34511	1,1,2-Trichloroethane		0.5	5	0.35	ug/L		
500-127911-17	134	MW14I	05/05/2017	34496	1,1-Dichloroethane		85	850	0.41	ug/L		
500-127911-17	134	MW14I	05/05/2017	34501	1,1-Dichloroethene		0.7	7	0.39	ug/L		
500-127911-17	134	MW14I	05/05/2017	77168	1,1-Dichloropropene				0.3	ug/L		
500-127911-17	134	MW14I	05/05/2017	77613	1,2,3-Trichlorobenzene				0.46	ug/L		
500-127911-17	134	MW14I	05/05/2017	77443	1,2,3-Trichloropropane		12	60	0.41	ug/L		
500-127911-17	134	MW14I	05/05/2017	34551	1,2,4-Trichlorobenzene		14	70	0.34	ug/L		
500-127911-17	134	MW14I	05/05/2017	77222	1,2,4-Trimethylbenzene		96	480	0.36	ug/L		
500-127911-17	134	MW14I	05/05/2017	38437	1,2-Dibromo-3-Chloropropane		0.02	0.2	2	ug/L		
500-127911-17	134	MW14I	05/05/2017	77651	1,2-Dibromoethane		0.005	0.05	0.39	ug/L		
500-127911-17	134	MW14I	05/05/2017	34536	1,2-Dichlorobenzene		60	600	0.33	ug/L		
500-127911-17	134	MW14I	05/05/2017	32103	1,2-Dichloroethane		0.5	5	0.39	ug/L		
500-127911-17	134	MW14I	05/05/2017	34541	1,2-Dichloropropane		0.5	5	0.43	ug/L		
500-127911-17	134	MW14I	05/05/2017	77226	1,3,5-Trimethylbenzene		96	480	0.25	ug/L		
500-127911-17	134	MW14I	05/05/2017	34566	1,3-Dichlorobenzene		120	600	0.4	ug/L		
500-127911-17	134	MW14I	05/05/2017	77173	1,3-Dichloropropane				0.36	ug/L		
500-127911-17	134	MW14I	05/05/2017	34571	1,4-Dichlorobenzene		15	75	0.36	ug/L		
500-127911-17	134	MW14I	05/05/2017	77170	2,2-Dichloropropane				0.44	ug/L		
500-127911-17	134	MW14I	05/05/2017	77275	2-Chlorotoluene				0.31	ug/L		
500-127911-17	134	MW14I	05/05/2017	77277	4-Chlorotoluene				0.35	ug/L		
500-127911-17	134	MW14I	05/05/2017	34030	Benzene		0.5	5	0.15	ug/L		
500-127911-17	134	MW14I	05/05/2017	81555	Bromobenzene				0.36	ug/L		
500-127911-17	134	MW14I	05/05/2017	77297	Bromochloromethane				0.43	ug/L		
500-127911-17	134	MW14I	05/05/2017	32101	Bromodichloromethane		0.06	0.6	0.37	ug/L		
500-127911-17	134	MW14I	05/05/2017	32104	Bromoform		0.44	4.4	0.48	ug/L		
500-127911-17	134	MW14I	05/05/2017	34413	Bromomethane		1	10	0.8	ug/L		
500-127911-17	134	MW14I	05/05/2017	32102	Carbon tetrachloride		0.5	5	0.38	ug/L		
500-127911-17	134	MW14I	05/05/2017	34301	Chlorobenzene		20	100	0.39	ug/L		
500-127911-17	134	MW14I	05/05/2017	34311	Chloroethane		80	400	0.51	ug/L		
500-127911-17	134	MW14I	05/05/2017	32106	Chloroform		0.6	6	0.37	ug/L		
500-127911-17	134	MW14I	05/05/2017	34418	Chloromethane		3	30	0.32	ug/L		
500-127911-17	134	MW14I	05/05/2017	77093	cis-1,2-Dichloroethene		7	70	0.41	ug/L		
500-127911-17	134	MW14I	05/05/2017	34704	cis-1,3-Dichloropropene		0.04	0.4	0.42	ug/L		
500-127911-17	134	MW14I	05/05/2017	32105	Dibromochloromethane		6	60	0.49	ug/L		
500-127911-17	134	MW14I	05/05/2017	77596	Dibromomethane				0.27	ug/L		
500-127911-17	134	MW14I	05/05/2017	34668	Dichlorodifluoromethane	4.6	200	1000	0.67	ug/L		
500-127911-17	134	MW14I	05/05/2017	77119	Dichlorofluoromethane	12			0.38	ug/L		
500-127911-17	134	MW14I	05/05/2017	78113	Ethylbenzene		140	700	0.18	ug/L		
500-127911-17	134	MW14I	05/05/2017	34391	Hexachlorobutadiene				0.45	ug/L		
500-127911-17	134	MW14I	05/05/2017	81577	Isopropyl ether				0.28	ug/L		
500-127911-17	134	MW14I	05/05/2017	77223	Isopropylbenzene				0.39	ug/L		
500-127911-17	134	MW14I	05/05/2017	78032	Methyl tert-butyl ether		12	60	0.39	ug/L		
500-127911-17	134	MW14I	05/05/2017	34423	Methylene Chloride		0.5	5	1.6	ug/L		
500-127911-17	134	MW14I	05/05/2017	34696	Naphthalene		10	100	0.34	ug/L		
500-127911-17	134	MW14I	05/05/2017	77342	n-Butylbenzene				0.39	ug/L		
500-127911-17	134	MW14I	05/05/2017	77224	N-Propylbenzene				0.41	ug/L		
500-127911-17	134	MW14I	05/05/2017	77356	p-Isopropyltoluene				0.36	ug/L		
500-127911-17	134	MW14I	05/05/2017	77350	sec-Butylbenzene				0.4	ug/L		
500-127911-17	134	MW14I	05/05/2017	77128	Styrene		10	100	0.39	ug/L		
500-127911-17	134	MW14I	05/05/2017	77353	tert-Butylbenzene				0.4	ug/L		
500-127911-17	134	MW14I	05/05/2017	34475	Tetrachloroethene		0.5	5	0.37	ug/L		

NR 140 PAL-ES Exceedance Report

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May-17

Sample No	Well ID	Well Name	Date Sampled	Parameter	Description	RESULT	PAL	ES	LOD	Units	PAL Exceeded?	ES Exceeded?
500-127911-17	134	MW14I	05/05/2017	81607	Tetrahydrofuran		10	50	1.9	ug/L		
500-127911-17	134	MW14I	05/05/2017	34010	Toluene		160	800	0.15	ug/L		
500-127911-17	134	MW14I	05/05/2017	34546	trans-1,2-Dichloroethene		20	100	0.35	ug/L		
500-127911-17	134	MW14I	05/05/2017	34699	trans-1,3-Dichloropropene		0.04	0.4	0.36	ug/L		
500-127911-17	134	MW14I	05/05/2017	39180	Trichloroethene		0.5	5	0.16	ug/L		
500-127911-17	134	MW14I	05/05/2017	34488	Trichlorofluoromethane		698	3490	0.43	ug/L		
500-127911-17	134	MW14I	05/05/2017	39175	Vinyl chloride		0.02	0.2	0.2	ug/L		
500-127911-17	134	MW14I	05/05/2017	81551	Xylenes, Total		400	2000	0.22	ug/L		
500-127911-2	997	Field Blank	05/05/2017	77562	1,1,1,2-Tetrachloroethane		7	70	0.46	ug/L		
500-127911-2	997	Field Blank	05/05/2017	34506	1,1,1-Trichloroethane		40	200	0.38	ug/L		
500-127911-2	997	Field Blank	05/05/2017	34516	1,1,2,2-Tetrachloroethane		0.02	0.2	0.4	ug/L		
500-127911-2	997	Field Blank	05/05/2017	34511	1,1,2-Trichloroethane		0.5	5	0.35	ug/L		
500-127911-2	997	Field Blank	05/05/2017	34496	1,1-Dichloroethane		85	850	0.41	ug/L		
500-127911-2	997	Field Blank	05/05/2017	34501	1,1-Dichloroethene		0.7	7	0.39	ug/L		
500-127911-2	997	Field Blank	05/05/2017	77168	1,1-Dichloropropene				0.3	ug/L		
500-127911-2	997	Field Blank	05/05/2017	77613	1,2,3-Trichlorobenzene				0.46	ug/L		
500-127911-2	997	Field Blank	05/05/2017	77443	1,2,3-Trichloropropane		12	60	0.41	ug/L		
500-127911-2	997	Field Blank	05/05/2017	34551	1,2,4-Trichlorobenzene		14	70	0.34	ug/L		
500-127911-2	997	Field Blank	05/05/2017	77222	1,2,4-Trimethylbenzene		96	480	0.36	ug/L		
500-127911-2	997	Field Blank	05/05/2017	38437	1,2-Dibromo-3-Chloropropane		0.02	0.2	2	ug/L		
500-127911-2	997	Field Blank	05/05/2017	77651	1,2-Dibromoethane		0.005	0.05	0.39	ug/L		
500-127911-2	997	Field Blank	05/05/2017	34536	1,2-Dichlorobenzene		60	600	0.33	ug/L		
500-127911-2	997	Field Blank	05/05/2017	32103	1,2-Dichloroethane		0.5	5	0.39	ug/L		
500-127911-2	997	Field Blank	05/05/2017	34541	1,2-Dichloropropane		0.5	5	0.43	ug/L		
500-127911-2	997	Field Blank	05/05/2017	77226	1,3,5-Trimethylbenzene		96	480	0.25	ug/L		
500-127911-2	997	Field Blank	05/05/2017	34566	1,3-Dichlorobenzene		120	600	0.4	ug/L		
500-127911-2	997	Field Blank	05/05/2017	77173	1,3-Dichloropropane				0.36	ug/L		
500-127911-2	997	Field Blank	05/05/2017	34571	1,4-Dichlorobenzene		15	75	0.36	ug/L		
500-127911-2	997	Field Blank	05/05/2017	77170	2,2-Dichloropropane				0.44	ug/L		
500-127911-2	997	Field Blank	05/05/2017	77275	2-Chlorotoluene				0.31	ug/L		
500-127911-2	997	Field Blank	05/05/2017	77277	4-Chlorotoluene				0.35	ug/L		
500-127911-2	997	Field Blank	05/05/2017	34030	Benzene		0.5	5	0.15	ug/L		
500-127911-2	997	Field Blank	05/05/2017	81555	Bromobenzene				0.36	ug/L		
500-127911-2	997	Field Blank	05/05/2017	77297	Bromochloromethane				0.43	ug/L		
500-127911-2	997	Field Blank	05/05/2017	32101	Bromodichloromethane		0.06	0.6	0.37	ug/L		
500-127911-2	997	Field Blank	05/05/2017	32104	Bromoform		0.44	4.4	0.48	ug/L		
500-127911-2	997	Field Blank	05/05/2017	34413	Bromomethane		1	10	0.8	ug/L		
500-127911-2	997	Field Blank	05/05/2017	32102	Carbon tetrachloride		0.5	5	0.38	ug/L		
500-127911-2	997	Field Blank	05/05/2017	34301	Chlorobenzene		20	100	0.39	ug/L		
500-127911-2	997	Field Blank	05/05/2017	34311	Chloroethane		80	400	0.51	ug/L		
500-127911-2	997	Field Blank	05/05/2017	32106	Chloroform		0.6	6	0.37	ug/L		
500-127911-2	997	Field Blank	05/05/2017	34418	Chloromethane		3	30	0.32	ug/L		
500-127911-2	997	Field Blank	05/05/2017	77093	cis-1,2-Dichloroethene		7	70	0.41	ug/L		
500-127911-2	997	Field Blank	05/05/2017	34704	cis-1,3-Dichloropropene		0.04	0.4	0.42	ug/L		
500-127911-2	997	Field Blank	05/05/2017	32105	Dibromochloromethane		6	60	0.49	ug/L		
500-127911-2	997	Field Blank	05/05/2017	77596	Dibromomethane				0.27	ug/L		
500-127911-2	997	Field Blank	05/05/2017	34668	Dichlorodifluoromethane		200	1000	0.67	ug/L		
500-127911-2	997	Field Blank	05/05/2017	77119	Dichlorofluoromethane				0.38	ug/L		
500-127911-2	997	Field Blank	05/05/2017	78113	Ethylbenzene		140	700	0.18	ug/L		
500-127911-2	997	Field Blank	05/05/2017	34391	Hexachlorobutadiene				0.45	ug/L		
500-127911-2	997	Field Blank	05/05/2017	81577	Isopropyl ether				0.28	ug/L		
500-127911-2	997	Field Blank	05/05/2017	77223	Isopropylbenzene				0.39	ug/L		
500-127911-2	997	Field Blank	05/05/2017	78032	Methyl tert-butyl ether		12	60	0.39	ug/L		
500-127911-2	997	Field Blank	05/05/2017	34423	Methylene Chloride		0.5	5	1.6	ug/L		
500-127911-2	997	Field Blank	05/05/2017	34696	Naphthalene		10	100	0.34	ug/L		
500-127911-2	997	Field Blank	05/05/2017	77342	n-Butylbenzene				0.39	ug/L		
500-127911-2	997	Field Blank	05/05/2017	77224	N-Propylbenzene				0.41	ug/L		
500-127911-2	997	Field Blank	05/05/2017	77356	p-Isopropyltoluene				0.36	ug/L		
500-127911-2	997	Field Blank	05/05/2017	77350	sec-Butylbenzene				0.4	ug/L		
500-127911-2	997	Field Blank	05/05/2017	77128	Styrene		10	100	0.39	ug/L		
500-127911-2	997	Field Blank	05/05/2017	77353	tert-Butylbenzene				0.4	ug/L		
500-127911-2	997	Field Blank	05/05/2017	34475	Tetrachloroethene		0.5	5	0.37	ug/L		
500-127911-2	997	Field Blank	05/05/2017	81607	Tetrahydrofuran		10	50	1.9	ug/L		
500-127911-2	997	Field Blank	05/05/2017	34010	Toluene		160	800	0.15	ug/L		
500-127911-2	997	Field Blank	05/05/2017	34546	trans-1,2-Dichloroethene		20	100	0.35	ug/L		
500-127911-2	997	Field Blank	05/05/2017	34699	trans-1,3-Dichloropropene		0.04	0.4	0.36	ug/L		
500-127911-2	997	Field Blank	05/05/2017	39180	Trichloroethene		0.5	5	0.16	ug/L		
500-127911-2	997	Field Blank	05/05/2017	34488	Trichlorofluoromethane		698	3490	0.43	ug/L		
500-127911-2	997	Field Blank	05/05/2017	39175	Vinyl chloride		0.02	0.2	0.2	ug/L		
500-127911-2	997	Field Blank	05/05/2017	81551	Xylenes, Total		400	2000	0.22	ug/L		

NR 140 PAL-ES Exceedance Report

Stoughton LF - 25216022

May-17

Sample No	Well ID	Well Name	Date Sampled	Parameter	Description	RESULT	PAL	ES	LOD	Units	PAL Exceeded?	ES Exceeded?
500-127911-3	112	MW3D	05/04/2017	34668	Dichlorodifluoromethane		200	1000	0.67	ug/L		
500-127911-3	112	MW3D	05/04/2017	81607	Tetrahydrofuran	6.5	10	50	1.9	ug/L		
500-127911-4	115	MW4D	05/04/2017	34668	Dichlorodifluoromethane		200	1000	0.67	ug/L		
500-127911-4	115	MW4D	05/04/2017	81607	Tetrahydrofuran		10	50	1.9	ug/L		
500-127911-5	117	MW5D	05/04/2017	34668	Dichlorodifluoromethane		200	1000	0.67	ug/L		
500-127911-5	117	MW5D	05/04/2017	81607	Tetrahydrofuran		10	50	1.9	ug/L		
500-127911-6	117	MW5D DUP	05/04/2017	34668	Dichlorodifluoromethane		200	1000	0.67	ug/L		
500-127911-6	117	MW5D DUP	05/04/2017	81607	Tetrahydrofuran		10	50	1.9	ug/L		
500-127911-7	119	MW7I	05/05/2017	34668	Dichlorodifluoromethane		200	1000	0.67	ug/L		
500-127911-7	119	MW7I	05/05/2017	81607	Tetrahydrofuran	6.9	10	50	1.9	ug/L		
500-127911-8	122	MW8I	05/05/2017	34668	Dichlorodifluoromethane		200	1000	0.67	ug/L		
500-127911-8	122	MW8I	05/05/2017	81607	Tetrahydrofuran		10	50	1.9	ug/L		
500-127911-9	124	MW9S	05/05/2017	77562	1,1,1,2-Tetrachloroethane		7	70	0.46	ug/L		
500-127911-9	124	MW9S	05/05/2017	34506	1,1,1-Trichloroethane		40	200	0.38	ug/L		
500-127911-9	124	MW9S	05/05/2017	34516	1,1,2,2-Tetrachloroethane		0.02	0.2	0.4	ug/L		
500-127911-9	124	MW9S	05/05/2017	34511	1,1,2-Trichloroethane		0.5	5	0.35	ug/L		
500-127911-9	124	MW9S	05/05/2017	34496	1,1-Dichloroethane		85	850	0.41	ug/L		
500-127911-9	124	MW9S	05/05/2017	34501	1,1-Dichloroethene		0.7	7	0.39	ug/L		
500-127911-9	124	MW9S	05/05/2017	77168	1,1-Dichloropropene				0.3	ug/L		
500-127911-9	124	MW9S	05/05/2017	77613	1,2,3-Trichlorobenzene				0.46	ug/L		
500-127911-9	124	MW9S	05/05/2017	77443	1,2,3-Trichloropropane		12	60	0.41	ug/L		
500-127911-9	124	MW9S	05/05/2017	34551	1,2,4-Trichlorobenzene		14	70	0.34	ug/L		
500-127911-9	124	MW9S	05/05/2017	77222	1,2,4-Trimethylbenzene		96	480	0.36	ug/L		
500-127911-9	124	MW9S	05/05/2017	38437	1,2-Dibromo-3-Chloropropane		0.02	0.2	2	ug/L		
500-127911-9	124	MW9S	05/05/2017	77651	1,2-Dibromoethane		0.005	0.05	0.39	ug/L		
500-127911-9	124	MW9S	05/05/2017	34536	1,2-Dichlorobenzene		60	600	0.33	ug/L		
500-127911-9	124	MW9S	05/05/2017	32103	1,2-Dichloroethane		0.5	5	0.39	ug/L		
500-127911-9	124	MW9S	05/05/2017	34541	1,2-Dichloropropane		0.5	5	0.43	ug/L		
500-127911-9	124	MW9S	05/05/2017	77226	1,3,5-Trimethylbenzene		96	480	0.25	ug/L		
500-127911-9	124	MW9S	05/05/2017	34566	1,3-Dichlorobenzene		120	600	0.4	ug/L		
500-127911-9	124	MW9S	05/05/2017	77173	1,3-Dichloropropane				0.36	ug/L		
500-127911-9	124	MW9S	05/05/2017	34571	1,4-Dichlorobenzene		15	75	0.36	ug/L		
500-127911-9	124	MW9S	05/05/2017	77170	2,2-Dichloropropane				0.44	ug/L		
500-127911-9	124	MW9S	05/05/2017	77275	2-Chlorotoluene				0.31	ug/L		
500-127911-9	124	MW9S	05/05/2017	77277	4-Chlorotoluene				0.35	ug/L		
500-127911-9	124	MW9S	05/05/2017	34030	Benzene		0.5	5	0.15	ug/L		
500-127911-9	124	MW9S	05/05/2017	81555	Bromobenzene				0.36	ug/L		
500-127911-9	124	MW9S	05/05/2017	77297	Bromochloromethane				0.43	ug/L		
500-127911-9	124	MW9S	05/05/2017	32101	Bromodichloromethane		0.06	0.6	0.37	ug/L		
500-127911-9	124	MW9S	05/05/2017	32104	Bromoform		0.44	4.4	0.48	ug/L		
500-127911-9	124	MW9S	05/05/2017	34413	Bromomethane		1	10	0.8	ug/L		
500-127911-9	124	MW9S	05/05/2017	32102	Carbon tetrachloride		0.5	5	0.38	ug/L		
500-127911-9	124	MW9S	05/05/2017	34301	Chlorobenzene		20	100	0.39	ug/L		
500-127911-9	124	MW9S	05/05/2017	34311	Chloroethane		80	400	0.51	ug/L		
500-127911-9	124	MW9S	05/05/2017	32106	Chloroform		0.6	6	0.37	ug/L		
500-127911-9	124	MW9S	05/05/2017	34418	Chloromethane		3	30	0.32	ug/L		
500-127911-9	124	MW9S	05/05/2017	77093	cis-1,2-Dichloroethene		7	70	0.41	ug/L		
500-127911-9	124	MW9S	05/05/2017	34704	cis-1,3-Dichloropropene		0.04	0.4	0.42	ug/L		
500-127911-9	124	MW9S	05/05/2017	32105	Dibromochloromethane		6	60	0.49	ug/L		
500-127911-9	124	MW9S	05/05/2017	77596	Dibromomethane				0.27	ug/L		
500-127911-9	124	MW9S	05/05/2017	34668	Dichlorodifluoromethane	26	200	1000	0.67	ug/L		
500-127911-9	124	MW9S	05/05/2017	77119	Dichlorofluoromethane	30			0.38	ug/L		
500-127911-9	124	MW9S	05/05/2017	78113	Ethylbenzene		140	700	0.18	ug/L		
500-127911-9	124	MW9S	05/05/2017	34391	Hexachlorobutadiene				0.45	ug/L		
500-127911-9	124	MW9S	05/05/2017	81577	Isopropyl ether				0.28	ug/L		
500-127911-9	124	MW9S	05/05/2017	77223	Isopropylbenzene				0.39	ug/L		
500-127911-9	124	MW9S	05/05/2017	78032	Methyl tert-butyl ether		12	60	0.39	ug/L		
500-127911-9	124	MW9S	05/05/2017	34423	Methylene Chloride		0.5	5	1.6	ug/L		
500-127911-9	124	MW9S	05/05/2017	34696	Naphthalene		10	100	0.34	ug/L		
500-127911-9	124	MW9S	05/05/2017	77342	n-Butylbenzene				0.39	ug/L		
500-127911-9	124	MW9S	05/05/2017	77224	N-Propylbenzene				0.41	ug/L		
500-127911-9	124	MW9S	05/05/2017	77356	p-Isopropyltoluene				0.36	ug/L		
500-127911-9	124	MW9S	05/05/2017	77350	sec-Butylbenzene				0.4	ug/L		
500-127911-9	124	MW9S	05/05/2017	77128	Styrene		10	100	0.39	ug/L		
500-127911-9	124	MW9S	05/05/2017	77353	tert-Butylbenzene				0.4	ug/L		
500-127911-9	124	MW9S	05/05/2017	34475	Tetrachloroethene		0.5	5	0.37	ug/L		
500-127911-9	124	MW9S	05/05/2017	81607	Tetrahydrofuran		10	50	1.9	ug/L		
500-127911-9	124	MW9S	05/05/2017	34010	Toluene		160	800	0.15	ug/L		
500-127911-9	124	MW9S	05/05/2017	34546	trans-1,2-Dichloroethene		20	100	0.35	ug/L		
500-127911-9	124	MW9S	05/05/2017	34699	trans-1,3-Dichloropropene		0.04	0.4	0.36	ug/L		

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
SCR Headquarters
3911 Fish Hatch
Fitchburg WI 53711

Scott Walker, Governor
Kurt A. Thiede, Interim Secretary
Telephone 608-266-2621
Toll Free 1-888-936-7463
TTY Access via relay - 711

September 22, 2017

File Ref: FID 113005950
Dane
SW / CMEL

Jason Lowery
Wisconsin DNR
PO Box 7921
Madison, WI 53701

Subject: Compliance At Closed Landfill Inspection at City of Stoughton #133 (Amundson Park)

Dear Mr. Lowery:

On September 7, 2017, the department conducted a closed landfill compliance inspection at Amundson Park located at Amundson Pkwy & Skogdalen Dr, Stoughton, Wisconsin. A copy of the completed inspection form and the 22 photos are enclosed.

At the time of the inspection the Department found no evidence of noncompliance with the solid waste requirements stated in Chapters NR 500 to 538, Wisconsin Administrative Code. The inspection form identified 2 items that were not inspected (NI). Since the items were not inspected a compliance determination was not made. There was one area of concern. Several of the monitoring wells that were located were not labeled per NR 507.04(4). Please see that the wells are labeled with, at a minimum, the devices name and 3-digit identification number assigned to each well by the department.

If you have any questions or comments, please feel free to contact me at (608) 273-5608.

Thank you for your cooperation.

Sincerely,

Daniel Werner
Waste Management Specialist

cc: John Halverson, Streets Supervisor, City of Stoughton
Leslie Busse, PE, SCS Engineers
SC Facility File

State of Wisconsin
Department of Natural Resources

Form 4430-5 (R. 03/06)

COMPLIANCE MONITORING AND EVALUATION FORM

A. GENERAL INFORMATION

FIST SEQ #: 60518

Facility Name (current)	FID #	EPA ID #	Case #	Complaint #
STOUGHTON CTY (AMUNDSON PARK)	113005950	WID980901219	60518	

Street/Location	Notification Status
AMUNDSON PKWY & SKOGDALEN DR	LANDFILL UNCLASSIFIED

City	Zip Code	County	Type of Contact	Contact Date/Time
STOUGHTON	53589-	DANE	FIELD	09/07/2017 00:00

Contact Name/Phone Number		Staff Assigned to Site	Case Close Out Date
STEVEN B SMITH, BT2 CONSULT	(608) 224-2830	WERNER, DANIEL	

B. FACILITY INSPECTED AS

Inspection Type
LANDFILL UNCLASSIFIED

C. NOTIFICATION CHANGE

Date processed SHWIMS_____, EPA Data System_____

Status Change: Field Verified Status Is

Name Change: Former Name

D. ACTIVITY TYPES

Lic/RU/RA	Staff Person	Lead Program	Activity Type
133	WERNER, DANIEL B	SOLID WASTE	COMPLIANCE CLOSED LANDFILL

E. ACTIONS AND VIOLATIONS

Action Date	Action Type	Close Date	SNC	Comments
09/22/2017	LETTER	09/22/2017		

F. CASE CONTACTS

G. COMMENTS

Closed landfill inspection

SITE NARRATIVE

Narrative:

On 9/7/17, Dan Werner met with John Halverson (City of Stoughton Streets Supervisor) at the Stougthon Closed Landfill #133. Werner and Halverson walked the site. The cap was in good shape, vegetation looked recently mown. Werner and Halverson could not find all of the monitoring wells, but all those found were locked. About half were labeled.

CLOSED LANDFILL INSPECTION FORM

Section 1: General Facility Requirements

A. Gate provided at the entrance and kept locked when authorized personnel not on site.	C	506.07(1)(j)
B. Entrance area clean and no solid waste indiscriminately dumped (e.g., operating an unlicensed storage or disposal facility).	C	289.31(1)
C. Sign posted at the entrance to the facility indicating that the landfill is closed, and includes the landfill name, license number, penalty for unauthorized use and any other pertinent information unless the approved final use does not require signage.	NA	506.08(1)(b)
D. Access to the landfill restricted by use of gates, fencing, or other appropriate means unless approved final use allowing access (e.g. baseball playfields, soccer fields, dog runs, etc.) does not require these restrictions.	C	506.08(2)

Section 2: Sediment and Erosion Control

A. Runoff channels are protected to prevent scour and erosion that generates sediment.	C	506.07(2)(a)(5)
B. Storm water drainage ditches, structures and sedimentation basins cleaned and maintained.	C	506.07(2)(b)
C. The entire solid waste disposal area is covered with compacted earth and final grades are adequately sloped to allow storm water runoff. (e.g. no depressions with ponded water or wetland vegetation on the disposal area).	C	506.08(3)(a)
D. Storm water run-on diverted around all areas used for solid waste disposal to limit erosion of the cover soils and infiltration.	C	506.08(3)(b)
E. The finished surface of the disposal area is covered with a minimum of 6 inches of topsoil.	C	506.08(3)(d)
F. Vegetation established to minimize erosion (e.g. no bare spots or woody vegetation).	C	506.08(4)

Section 3: Gas Control

A. Effective means being utilized to prevent migration of explosive gases generated by the waste fill (e.g. no noticeable gas odors or indication of stressed vegetation, and gas control system operating, if applicable).	C	506.07(4)

Section 4: Leachate Collection System

A. Any liquid that comes in contact with waste being handled as leachate and properly managed (e.g. no leachate seeps or discolored surface water/soil).	NA	506.07(5)(b)
B. Leachate removal from all leachate storage structures to maintain gravity flow (e.g. no leachate storage on landfill base or liner).	NA	506.07(5)(a)
C. All leachate removed from the leachate collection system is being disposed of at a wastewater treatment facility unless the facility has approval to recirculate leachate or gas condensate.	NA	506.07(5)(a)
D. Leachate lines cleaned on an annual basis or other frequency approved by the Department.	NA	506.07(5)(c)
E. Leachate head wells protected and being monitored for leachate head levels.	NA	507.04(3)

CLOSED LANDFILL INSPECTION FORM

Section 5: Monitoring Devices

A. Monitoring and sampling devices protected to prevent contaminant entry and damage (e.g. caps present and locked, protective casing in good condition and not affected by frost heave or sunk relative to the well casing that prevents closure).	C	507.04(3)
B. All monitoring devices clearly and permanently labeled on the outside of the device.	CA	507.04(4)
C. Any permanent monitoring well no longer being used to gather information is properly abandoned within 60 days after its use has been discontinued.	NI	141.25(1)(b)
D. Any monitoring devise that has been damaged, provides a conduit to the subsurface or otherwise fails to function is properly abandoned and replaced within 60 days after discovery.	NI	507.13
E. Surface water sampling locations surveyed and permanently and clearly marked.	NA	507.23(2)

Section 6: Final Use

A. Waste disposal area not being used for agricultural purposes unless approved by the Department.	C	506.085(1)
B. No structures or other development over waste disposal area unless approved by the Department.	C	506.085(2)
C. No excavation of the final cover or any waste materials.	C	506.085(3)

Key : C: Compliance CA: Compliance with Concern R: Returned to Compliance X: Non-Compliance NA: Not Applicable ND: Not Determined NI: Not Inspecte
Y: Yes N: No UN: Unknown
Revision : 10/02/2012
Notes : 1. * Dept. approved alternate may apply 2. Questions without a status entry use narrative responses
d_report_sub_cme_package_inspection_ff

SITE PHOTOS

Photo # 51356 Photo 1 of 22
Photo Date & Time 09/07/2017 12:32
Photo Direction E
Photographer WERNER, DANIEL

Photo Description
Sign on South entrance gate

d_report_main_site_contact_cme_package_f

SITE PHOTOS

Photo # 51357 | Photo 2 of 22
Photo Date & Time 09/07/2017 12:44
Photo Direction S
Photographer WERNER, DANIEL
Photo Description
Monitoring well GMP1

Photo # 51358 | Photo 3 of 22
Photo Date & Time 09/07/2017 12:48
Photo Direction W
Photographer WERNER, DANIEL
Photo Description
Monitoring well GMP2

Photo # 51359 | Photo 4 of 22
Photo Date & Time 09/07/2017 12:51
Photo Direction UNK
Photographer WERNER, DANIEL
Photo Description
Monitoring well GMP3

SITE PHOTOS

Photo # 51360 | Photo 5 of 22
Photo Date & Time 09/07/2017 12:58
Photo Direction UNK
Photographer WERNER, DANIEL
Photo Description
Monitoring Well

Photo # 51361 | Photo 6 of 22
Photo Date & Time 09/07/2017 12:58
Photo Direction UNK
Photographer WERNER, DANIEL
Photo Description
MW5D

Photo # 51362 | Photo 7 of 22
Photo Date & Time 09/07/2017 13:00
Photo Direction UNK
Photographer WERNER, DANIEL
Photo Description
Monitoring Well

SITE PHOTOS

Photo # 51363 | Photo 8 of 22
Photo Date & Time 09/07/2017 13:01
Photo Direction UNK
Photographer WERNER, DANIEL
Photo Description
Monitoring Well

Photo # 51364 | Photo 9 of 22
Photo Date & Time 09/07/2017 13:01
Photo Direction UNK
Photographer WERNER, DANIEL
Photo Description
Monitoring Well

Photo # 51365 | Photo 10 of 22
Photo Date & Time 09/07/2017 13:01
Photo Direction UNK
Photographer WERNER, DANIEL
Photo Description
MW11D

SITE PHOTOS

Photo # 51366 | Photo 11 of 22
Photo Date & Time 09/07/2017 13:03
Photo Direction UNK
Photographer WERNER, DANIEL
Photo Description
Monitoring Well

Photo # 51367 | Photo 12 of 22
Photo Date & Time 09/07/2017 13:03
Photo Direction UNK
Photographer WERNER, DANIEL
Photo Description
Monitoring Well

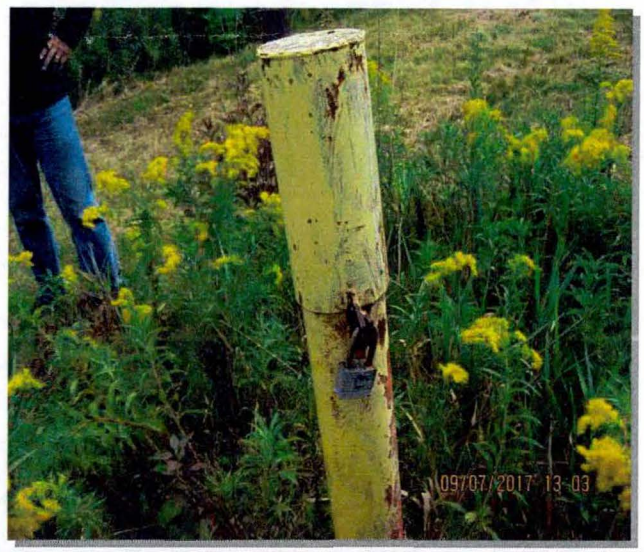

Photo # 51368 | Photo 13 of 22
Photo Date & Time 09/07/2017 13:14
Photo Direction UNK
Photographer WERNER, DANIEL
Photo Description
Monitoring Well

SITE PHOTOS

Photo # 51369 | Photo 14 of 22

Photo Date & Time 09/07/2017 13:15

Photo Direction UNK

Photographer WERNER, DANIEL

Photo Description

Monitoring Well

Photo # 51370 | Photo 15 of 22

Photo Date & Time 09/07/2017 13:19

Photo Direction UNK

Photographer WERNER, DANIEL

Photo Description

MW4D

Photo # 51371 | Photo 16 of 22

Photo Date & Time 09/07/2017 13:20

Photo Direction UNK

Photographer WERNER, DANIEL

Photo Description

MW4S

SITE PHOTOS

Photo # 51372 | Photo 17 of 22

Photo Date & Time 09/07/2017 13:22

Photo Direction UNK

Photographer WERNER, DANIEL

Photo Description

MW9I

Photo # 51373 | Photo 18 of 22

Photo Date & Time 09/07/2017 13:22

Photo Direction UNK

Photographer WERNER, DANIEL

Photo Description

MW9S

Photo # 51374 | Photo 19 of 22

Photo Date & Time 09/07/2017 13:22

Photo Direction UNK

Photographer WERNER, DANIEL

Photo Description

MW9D

SITE PHOTOS

Photo # 51375 Photo 20 of 22
Photo Date & Time 09/07/2017 13:25
Photo Direction UNK
Photographer WERNER, DANIEL
Photo Description
Monitoring Well

Photo # 51376 Photo 21 of 22
Photo Date & Time 09/07/2017 13:25
Photo Direction UNK
Photographer WERNER, DANIEL
Photo Description
Monitoring Well

Photo # 51377 Photo 22 of 22
Photo Date & Time 09/07/2017 13:44
Photo Direction UNK
Photographer WERNER, DANIEL
Photo Description
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