Steven P. Stucker, C.P.G. Lead Environmental Engineer

national**grid**

March 16, 2021

Mr. Scott Deyette New York State Department of Environmental Conservation Division of Environmental Remediation, BURC 625 Broadway Albany, New York 12233-7014

Re: National Grid Ogdensburg Former MGP Site NYSDEC Site No. 645053 10 King Street Ogdensburg, New York 2020 Periodic Review Report

Dear Mr. Deyette:

Enclosed for your review is the 2020 Periodic Review Report (PRR) for the National Grid Ogdensburg Former MGP Site. The PRR pertains to the period from October 17, 2019 through February 17, 2021 and includes a brief report and Institutional Controls/Engineering Controls (IC/EC) Certification Form.

Please feel free to contact me at 315.428.5652 if you have any questions.

Sincerely,

for SPS Steven P. Stucker, C.P.G. Lead Environmental Engineer

Reporting Period – October 17, 2019 through February 17, 2021

I. Introduction

A. Brief Site Summary –

The Former Ogdensburg Manufactured Gas Plant (MGP) Site (the Site) is located on an approximate 0.958 acre lot, with the address of 10 King Street in Ogdensburg, New York (refer to Figure 1 Site Location Map). The Site is owned by the St. Lawrence Gas Company. Manufactured gas was produced at the Site from approximately 1854 until at least 1930 using the coal carbonization process. The majority of the buildings and above-grade structures were removed by 1949; however, several subsurface foundations and piping were left in place. In addition to the former MGP, the Site was the location of a quarry from approximately 1850 to after 1865, and was used for the storage of propane gas tanks from before 1945 until sometime before 1997.

An investigation of the Site began in 2003 with the site characterization (SC), the remedial investigation (RI), which was conducted between 2003 and 2009, and culminating in 2010 with the pre-design investigation (PDI). During these investigations, 76 soil borings were drilled, 22 monitoring wells were installed, 10 test pits were excavated, three soil vapor investigations were conducted, and more than 230 samples of environmental media were collected and analyzed. The results of the SC and RI were presented in the Remedial Investigation Report (RI Report; Arcadis 2009), and the results of the PDI were presented in the Pre-Design Investigation Summary Report (PDI Report; National Grid 2011). In March 2009, National Grid also conducted an investigation of the City of Ogdensburg's combined sewer system located downstream from the Site. The investigation was prompted by the findings of the utility evaluation conducted in October 2008 during the Phase III RI, which identified non-aqueous phase liquid (NAPL) in a sewer lateral that extended from the western portion of the Site, along the fence line, to one of the manholes in King Street. The results of the sewer investigation were presented in an April 10, 2009 memorandum to the NYSDEC (Arcadis 2009) and were summarized in the RI Report.

The site investigations identified impacted soils from MGP related activities, specifically coal tar and purifier waste. The constituents of concern (COCs) are primarily the volatile organic compounds (VOCs) benzene, toluene, ethylbenzene, and xylenes (collectively, BTEX), the general class of semi-volatile organic compounds (SVOCs) known as polycyclic aromatic hydrocarbons (PAHs), and cyanide, all of which were found at the Site and the off-Site area.

Reporting Period – October 17, 2019 through February 17, 2021

- B. **Remedial Program Effectiveness** During the reporting period (October 17, 2019 to February 17, 2021) the long-term remedial objectives were met for the site.
- C. **Remedial Program Compliance** The major elements within the Institutional Control/Engineering Control(s) (IC/EC) Plan are in compliance.
- D. **Remedial Program Recommendations** It is recommended that no changes be made to the IC/EC Plan. It is recommended that an annual Periodic Review Report (PRR) be submitted. The next PRR submittal will cover the period February 17, 2021 to February 17, 2022.

II. Site Overview

A. Site Location and Boundaries -

The Site is located at 10 King Street in the City of Ogdensburg, County of St. Lawrence, New York (Figure 1 presents the site location map). The Site is an approximate 0.958-acre area bounded by King Street to the north, privately-owned properties to the south and west, a privately-owned property and a vacant National Grid-owned property to the east. Currently, the property is grass-covered, vacant and surrounded by a 6-foot chain link fence with barbed wire.

B. Regulatory History and Remedy Features –

The Site was remediated between May and October 2013 in accordance with the *Voluntary Cleanup Program Decision Document* (NYSDEC 2010b) and *Final* (100%) Remedial Design (Arcadis 2012). This PRR is being completed in compliance with Section 6.3 of the NYSDEC – approved Site Management Plan (SMP) for the project. A Deed of Restrictions and Covenants (DCR) was placed on the property in February 2018 by the Owner, and is included in Appendix A of the SMP.

III. Evaluate Remedy Performance, Effectiveness, and Protectiveness

A. Evaluation of Remedy Performance – Annual visual inspections of the cover system are conducted on the Site. The remedy performance has been effective in protecting the public.

Reporting Period – October 17, 2019 through February 17, 2021

IV. IC/EC Plan Compliance Report

A. IC/EC Requirements and Compliance

1. IC/EC Controls

The ICs/ECs:

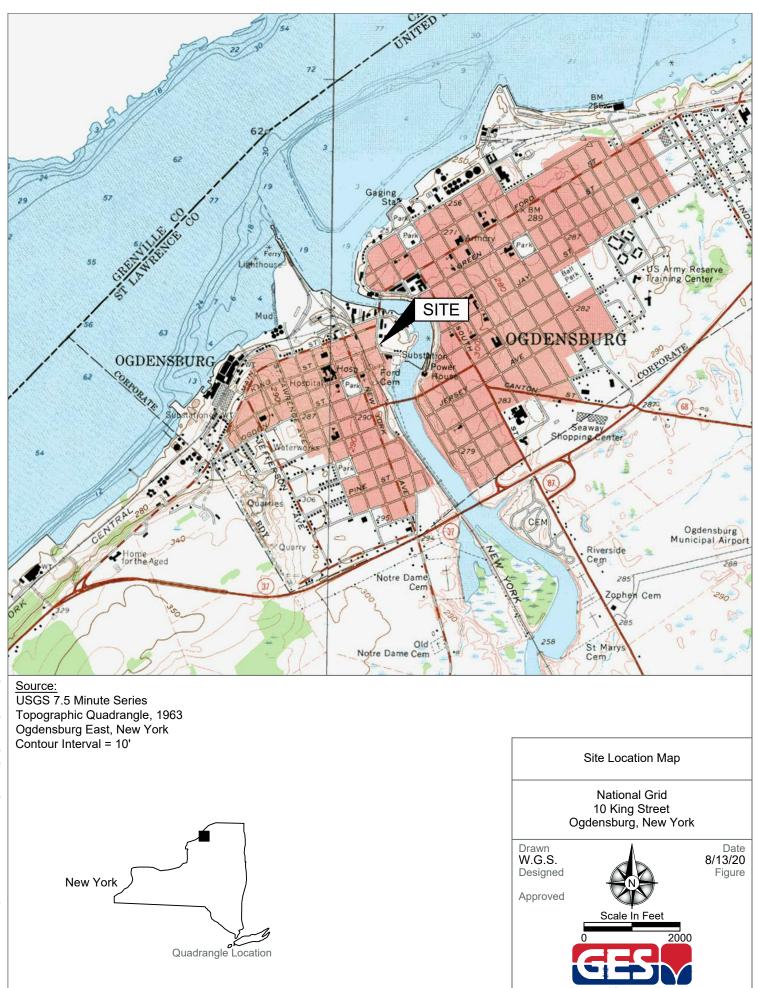
- Soil Cover System and Fencing: Annual site inspection of the cover system includes identification of any damage to the cover. The fence is also inspected for any damage. National Grid conducts quarterly inspections for internal security purposes. See Attachment 1 for the Site Inspection Forms.
- Monitoring Wells Associated with Monitored Natural Attenuation (MNA): Semi-annual groundwater sampling of the monitoring well system will be conducted, until either water quality is consistently below NYSDEC standards, or has become asymptotic at an acceptable level over an extended period.
- 2. IC/EC Goals Each goal is being met and/or working effectively.
- 3. IC/EC Corrective Measures No deficiencies were noted during the site inspections.
- 4. **IC/EC Conclusions/Recommendations** The EC program is in compliance and there are no recommendations for the program at this time.
- 5. IC/EC Certification Refer to PRR Form Attachment 2 for the certification.
- V. Monitoring Plan Compliance Report The Annual Monitoring Report was submitted to the NYSDEC on December 16, 2020. See Attachment 3 for a copy of the Annual Monitoring Report.
- VI. Operation & Maintenance (O&M) Plan Compliance Report Not Applicable

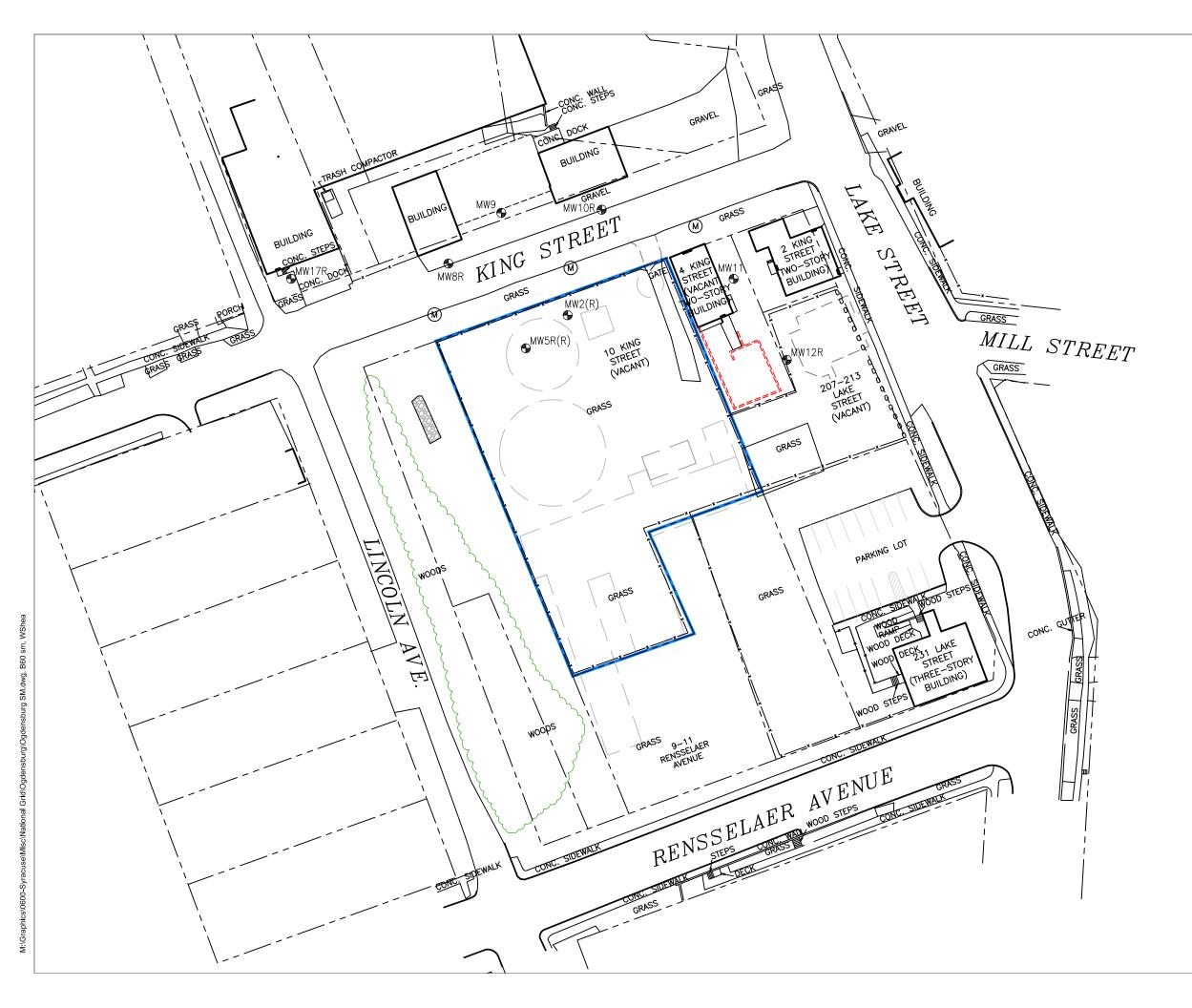
Reporting Period – October 17, 2019 through February 17, 2021

VII. Overall PRR Conclusions and Recommendations

A. Compliance with Site Management Plan (SMP)

- 1. **Requirements** All IC/EC Plan requirements were met during this reporting period.
- 2. **Exposure Pathways** There are no new completed exposure pathways resulting in unacceptable risk.
- 3. Proposed Plans and Schedule to Meet Compliance No plan proposed.
- B. **Performance and Effectiveness of the Remedy** The remedy as described in the Site Management Plan and executed by National Grid has been effective in meeting the program goals.
- C. **Future PRR Submittals** The frequency of PRR Submittals should remain annual. Therefore, the next PRR reporting period will cover February 17, 2021 through February 17, 2022.
- VIII. Additional Guidance Not needed.





<u>LEGEND</u>

(M)

igodol

– – — PROPERTY BOUNDARY

- FENCE
- UTILITY MANHOLE
- MONITORING WELL



Reporting Period – October 17, 2019 through February 17, 2021

REFERENCES

Arcadis, 2018. "Site Management Plan, Ogdensburg (King Street) Non-Owned Former MGP Site", September 2018.

National Grid- Ogdensburg MGP Site (NYSDEC Site No. 645053) Reporting Period – October 17, 2019 through February 17, 2021

Attachment 1: PRR Certification Form



Enclosure 2 NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION Site Management Periodic Review Report Notice Institutional and Engineering Controls Certification Form



Site	No. 645053	Box 1							
	Name NM - Ogdensburg MGP								
Site City	Site Address: 10 King St. Zip Code: 13669 City/Town: Ogdensburg County: St Lawrence								
	Site Acreage: 0.958								
Re	Reporting Period: October 17, 2019 to February 17, 2021								
		YES	NO						
1.	Is the information above correct?	X							
	If NO, include handwritten above or on a separate sheet.								
2.	Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?		X						
3.	Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?		X						
4.	Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?		X						
	If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form								
5.	Is the site currently undergoing development?		X						
		Box 2							
		YES	NO						
6.	Is the current site use consistent with the use(s) listed below? Commercial and Industrial	X							
7.	Are all ICs in place and functioning as designed?								
	IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.								
AC	A Corrective Measures Work Plan must be submitted along with this form to address these issues.								
Sig	nature of Owner, Remedial Party or Designated Representative Date								

SITE NO. 645053		Box 3
Description of Institu	tional Controls	
Parcel	Owner	Institutional Control
48.078-5-19	St. Lawrence Gas Company	Ground Water Use Restriction Landuse Restriction Site Management Plan
Deed Restriction was filed of 2018 (see Site # 645053).	n October 10, 2006. A Site Managem	ent Plan was approved on September 26,
48.078-5-25.1	NMPC. d/b/a National Grid	
		Ground Water Use Restriction Landuse Restriction Site Management Plan
The Easement was recorde 26, 2018.	d on March 22, 2018. The Site Manag	gement Plan was approved on September
		Box 4
Description of Engin	eering Controls	
Parcel	Engineering Control	
48.078-5-19		
	Cover System Fencing/Access Control	I
	r the site include a site cover system a mercial use and groundwater use is a	
	Cover System Fencing/Access Control	I
	place include a cover system, restrict , and site fencing to control access.	ion of land use to commercial,

Periodic Review Report (PRR) Certification Statements
I certify by checking "YES" below that:
a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the Engineering Control certification;
b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted orginancing practices; and the information presented is accurate and compete
engineering practices; and the information presented is accurate and compete. YES NO
X
For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:
 (a) The Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;
(b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;
(c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;
(d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and
(e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.
YES NO
X
IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.
A Corrective Measures Work Plan must be submitted along with this form to address these issues.

IC CERTIFICATIONS SITE NO. 645053

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

। <u>Gerald Cresap</u> , PE print name	at <u>5 Technology</u> Place, Suite4 print business addre	······································
am certifying as <u>Agent for National</u>	Grid	(Owner or Remedial Party)
for the Site named in the Site Details Signature of Owner, Remedial Party, Rendering Certification		3/15/2021 Date
V U	OF NEW YORK *	

OFESS

EC CERTIFICATIONS	
Qualified Environmental Professional Signat	Box 7 ure
I certify that all information in Boxes 4 and 5 are true. I understand that a fa punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the	
I Gerald Cresap, BE at 5 ⁵ Technology Place, suite 4,4	······································
print name print business address am certifying as a Qualified Environmental Professional for the Agent to Professional for the Agent to Professional for the Professional for th	vational-Gdid
Signature of Qualified Environmental Professional Offession (Required for Remedial Party, Rendering Certification (Required for	<u>3/15</u> /2024 Date

National Grid- Ogdensburg MGP Site (NYSDEC Site No. 645053) Reporting Period – October 17, 2019 through February 17, 2021

Attachment 2: Site Inspection Forms

 Date:
 1/21/2021

 Technician:
 KL

 Time:
 10:00

 Weather:
 Snow 23

Site Wide					
Any repairs, maintenace or corrective actions since the last inspection?	YES	NO	COMMENTS:		
Are the requirements of the Site Management Plan being met?	YES	NO	COMMENTS:		
Any signs/evidence of use of the Site in a manner inconsistent with the deed restriction?	YES	NO	COMMENTS:		

Site Wide - SLG Responsible to Maintain					
Perimeter Fence and Gates intact?	YES	NO	COMMENTS:		
Have the lawns been mowed?	YES	NO	COMMENTS: winter		

Soil Cover System						
Any signs of ground-intrusive activities?	YES	NO	COMMENTS:			
Any soil disturbance regardless of quantity/extent?	YES	NO	COMMENTS:			
Any surface erosion?	YES	NO	COMMENTS:			
Any settlement?	YES	NO	COMMENTS:			
Bare or sparsely-vegetated areas?	YES	NO	COMMENTS:			
Any other conditions affecting the thickness or the integrity of the soil cover system?	YES	NO	COMMENTS:			

NG Owned Property on Lake Street - Not part of the SMP							
Any repairs, maintenace or corrective actions since the last inspection?	YES		NO		COMMENTS:		
Have the lawns been mowed?	YES	YES		NO	COMMENTS: winter		
Conditon of the sidewalks?	GOOD	FA	٨R	POOR	COMMENTS:		
Condition of the site trees?	GOOD	FA	٨R	POOR	COMMENTS:		
Are the boulders in place?	YES	YES		NO	COMMENTS:		

Miscellaneous					
Evidence of Trespassing	of Trespassing YES		NO		COMMENTS:
Litter	NONE MINC		IOR	SIGNIFICANT	COMMENTS:

Site Monitoring Wells					
Well ID.	Location	n Secure			
MW-2(R)	YES	NO			
MW-5R(R)	YES	NO			
MW-8R	YES	NO			
MW-9	YES	NO			
MW-10R	YES	NO			
MW-11	YES	NO			
MW-12R	YES	NO			
MW-14R	YES	NO			
MW-15	YES	NO			
MW-15RS	YES	NO			
MW-17R	YES	NO			
MW-19R	YES	NO			
MW-20R	YES	NO			

 Date:
 10/1/2020

 Technician:
 KL

 Time:
 8:30

 Weather:
 Cloudy 53

Site Wide					
Any repairs, maintenace or corrective actions since the last inspection?	YES	NO	COMMENTS:		
Are the requirements of the Site Management Plan being met?	YES	NO	COMMENTS:		
Any signs/evidence of use of the Site in a manner inconsistent with the deed restriction?	YES	NO	COMMENTS:		

Site Wide - SLG Responsible to Maintain						
Perimeter Fence and Gates intact? YES NO COMMENTS:						
Have the lawns been mowed?	YES	NO	COMMENTS:			

Soil Cover System						
Any signs of ground-intrusive activities?	YES	NO	COMMENTS:			
Any soil disturbance regardless of quantity/extent?	YES	NO	COMMENTS:			
Any surface erosion?	YES	NO	COMMENTS:			
Any settlement?	YES	NO	COMMENTS:			
Bare or sparsely-vegetated areas?	YES	NO	COMMENTS:			
Any other conditions affecting the thickness or the integrity of the soil cover system?	YES	NO	COMMENTS:			

NG Owned Property on Lake Street - Not part of the SMP						
Any repairs, maintenace or corrective actions since the last inspection?	YES			NO	COMMENTS:	
Have the lawns been mowed?	YES	YES		NO	COMMENTS:	
Conditon of the sidewalks?	GOOD	FA	٨IR	POOR	COMMENTS:	
Condition of the site trees?	GOOD	FA	٨IR	POOR	COMMENTS:	
Are the boulders in place?	YES			NO	COMMENTS:	

Miscellaneous					
Evidence of Trespassing	YES NO COMMENTS:				
Litter	NONE MINOR SIGNIFICANT COMMENTS:				COMMENTS:

Site Monitoring Wells				
Well ID.	Location Secure			
MW-2(R)	YES	NO		
MW-5R(R)	YES	NO		
MW-8R	YES	NO		
MW-9	YES	NO		
MW-10R	YES	NO		
MW-11	YES	NO		
MW-12R	YES	NO		
MW-14R	YES	NO		
MW-15	YES	NO		
MW-15RS	YES	NO		
MW-17R	YES	NO		
MW-19R	YES	NO		
MW-20R	YES	NO		

Date: 7/14/2020 Technician: AJ
 Time:
 9:00

 Weather:
 Sunny 72

Site Wide					
Any repairs, maintenace or corrective actions since the last inspection?	YES	NO	COMMENTS:		
Are the requirements of the Site Management Plan being met?	YES	NO	COMMENTS:		
Any signs/evidence of use of the Site in a manner inconsistent with the deed restriction?	YES	NO	COMMENTS:		

Site Wide - SLG Responsible to Maintain						
Perimeter Fence and Gates intact? YES NO COMMENTS:						
Have the lawns been mowed?	YES	NO	COMMENTS:			

Soil Cover System						
Any signs of ground-intrusive activities?	YES	NO	COMMENTS:			
Any soil disturbance regardless of quantity/extent?	YES	NO	COMMENTS:			
Any surface erosion?	YES	NO	COMMENTS:			
Any settlement?	YES	NO	COMMENTS:			
Bare or sparsely-vegetated areas?	YES	NO	COMMENTS:			
Any other conditions affecting the thickness or the integrity of the soil cover system?	YES	NO	COMMENTS:			

NG Owned Property on Lake Street - Not part of the SMP						
Any repairs, maintenace or corrective actions since the last inspection?	YES			NO	COMMENTS:	
Have the lawns been mowed?	YES	YES		NO	COMMENTS:	
Conditon of the sidewalks?	GOOD	FA	٨IR	POOR	COMMENTS:	
Condition of the site trees?	GOOD	FA	٨IR	POOR	COMMENTS:	
Are the boulders in place?	YES			NO	COMMENTS:	

Miscellaneous					
Evidence of Trespassing	YES NO COMMENTS:				
Litter	NONE MINOR SIGNIFICANT COMMENTS:				COMMENTS:

Site Monitoring Wells				
Well ID.	Location Secure			
MW-2(R)	YES	NO		
MW-5R(R)	YES	NO		
MW-8R	YES	NO		
MW-9	YES	NO		
MW-10R	YES	NO		
MW-11	YES	NO		
MW-12R	YES	NO		
MW-14R	YES	NO		
MW-15	YES	NO		
MW-15RS	YES	NO		
MW-17R	YES	NO		
MW-19R	YES	NO		
MW-20R	YES	NO		

Date: 6/23/2020 Technician: KL/BH 8:30 Sunny 70

Soil Cover System					
Any signs of ground-intrusive activities?	YES	NO	COMMENTS:		
Any soil disturbance regardless of quantity/extent?	YES	NO	COMMENTS:		
Any surface erosion?	YES	NO	COMMENTS:		
Any settlement?	YES	NO	COMMENTS:		
Bare or sparsely-vegetated areas?	YES	NO	COMMENTS:		
Excessive cracking or missing pavement?	YES	NO	COMMENTS:		
Any other conditions affecting the thickness or the integrity of the soil cover system?	YES	NO	COMMENTS:		

Site Wide						
Any repairs, maintenace or corrective actions since the last inspection?	YES		NO		COMMENTS:	
Have the lawns been mowed?	YES		NO		COMMENTS:	
Conditon of the asphalt pavement	GOOD	FAIR		POOR	COMMENTS: Lake St	
Conditon of the sidewalks?	GOOD	FAIR		POOR	COMMENTS: Lake St	
Condition of the site trees?	GOOD	FA	٨R	POOR	COMMENTS: Lake St	
Are the requirements of the Site Management Plan being met?	YES			NO	COMMENTS:	
Any signs/evidence of use of the Site in a manner inconsistent with the deed restriction?	YES			NO	COMMENTS:	
Are there any needed changes?	YES			NO	COMMENTS:	
Are the site records complete and up to date?	YES			NO	COMMENTS:	

Miscellaneous						
Evidence of Trespassing	YES NO COMMENTS:					
Litter	NONE	MINOR		SIGNIFICANT	COMMENTS:	

Site Monitoring Wells				
Well ID.	Location Secure			
MW-2(R)	YES	NO		
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MW-15RS	YES	NO		
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MW-20R	YES	NO		

General Comments:

Hinge missing on St. Lawrence Gate. Fenceline needs to be sprayed?

Rear of fence overgrown.

Installed GES MC-2 lock on gate.

Installed GES MC-2 locks on wells.

New well manways needed for MW-8R, MW-9R and MW-10R

Do we need NG Signs??

Reporting Period – October 17, 2019 through February 17, 2021

I. Introduction

A. Brief Site Summary –

The Former Ogdensburg Manufactured Gas Plant (MGP) Site (the Site) is located on an approximate 0.958 acre lot, with the address of 10 King Street in Ogdensburg, New York (refer to Figure 1 Site Location Map). The Site is owned by the St. Lawrence Gas Company. Manufactured gas was produced at the Site from approximately 1854 until at least 1930 using the coal carbonization process. The majority of the buildings and above-grade structures were removed by 1949; however, several subsurface foundations and piping were left in place. In addition to the former MGP, the Site was the location of a quarry from approximately 1850 to after 1865, and was used for the storage of propane gas tanks from before 1945 until sometime before 1997.

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- B. **Remedial Program Effectiveness** During the reporting period (October 17, 2019 to February 17, 2021) the long-term remedial objectives were met for the site.
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- D. **Remedial Program Recommendations** It is recommended that no changes be made to the IC/EC Plan. It is recommended that an annual Periodic Review Report (PRR) be submitted. The next PRR submittal will cover the period February 17, 2021 to February 17, 2022.

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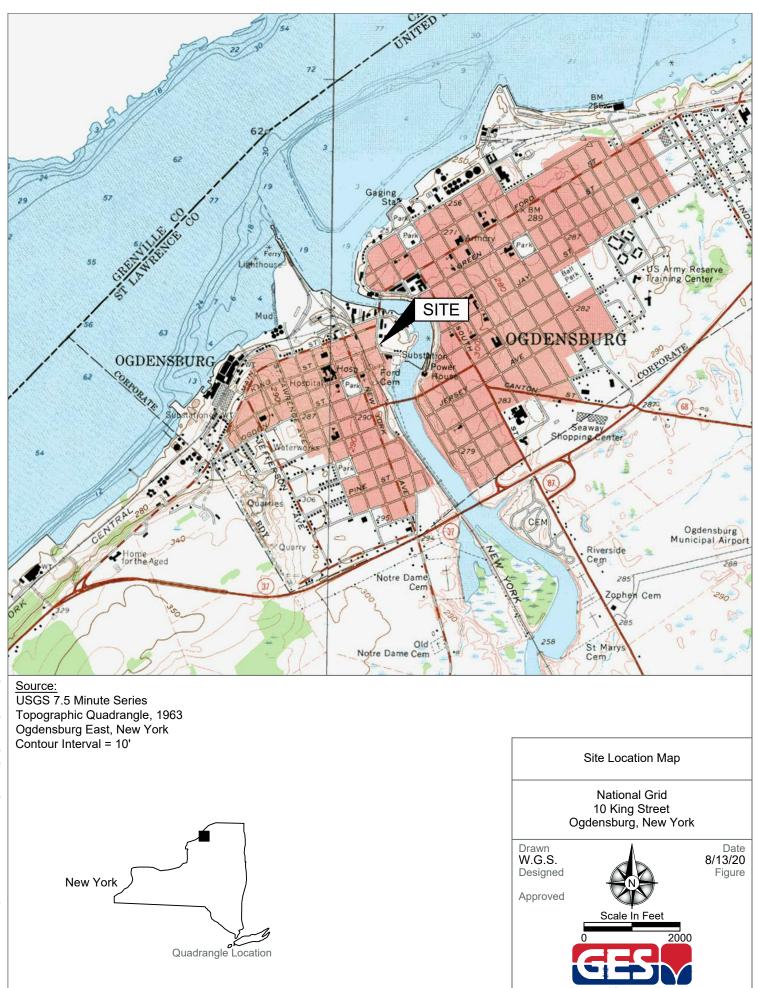
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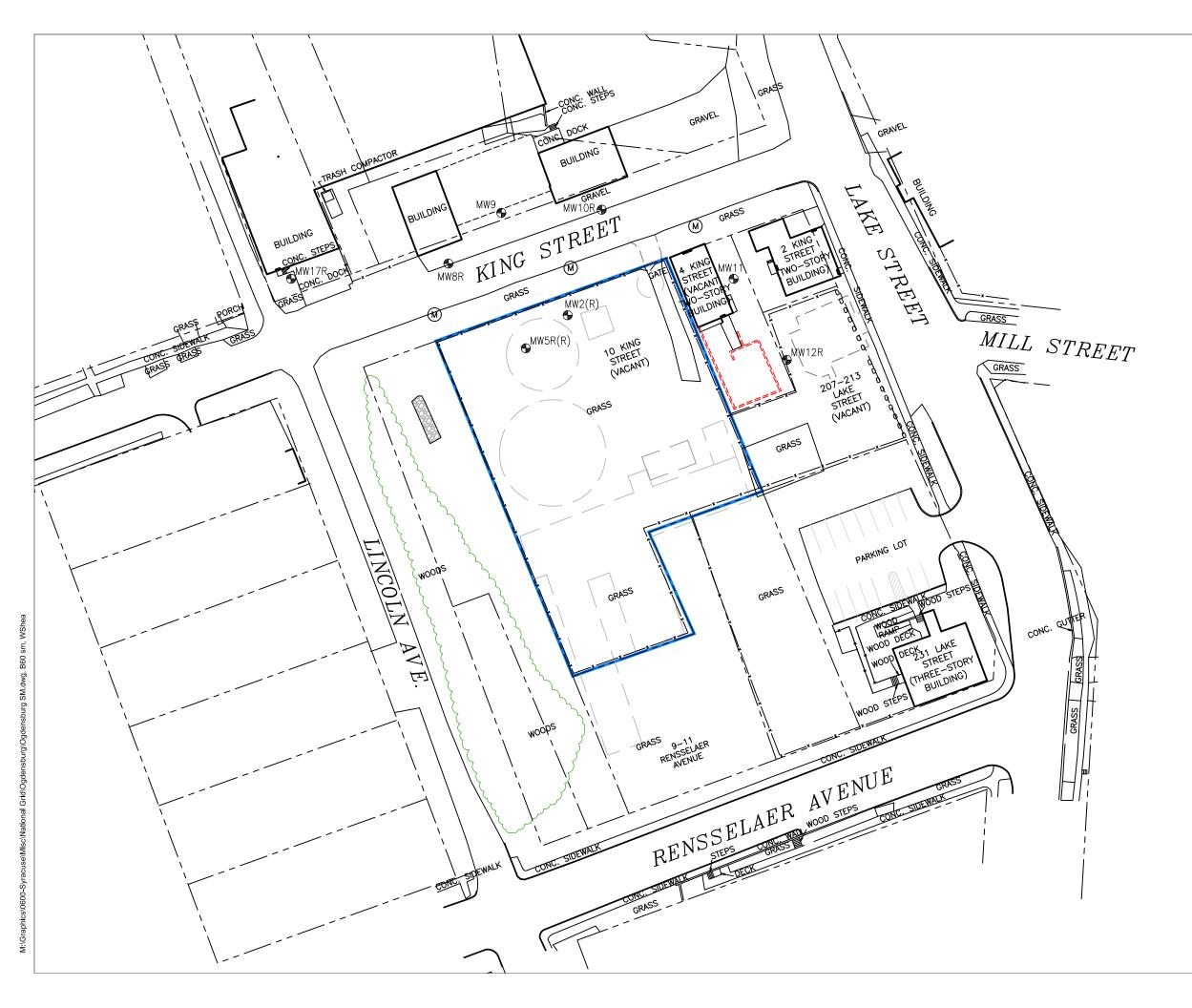
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Arcadis, 2018. "Site Management Plan, Ogdensburg (King Street) Non-Owned Former MGP Site", September 2018.





<u>LEGEND</u>

(M)

igodol

– – — PROPERTY BOUNDARY

- FENCE
- UTILITY MANHOLE
- MONITORING WELL



National Grid- Ogdensburg MGP Site (NYSDEC Site No. 645053) Reporting Period – October 17, 2019 through February 17, 2021

Attachment 1: Site Inspection Forms

 Date:
 1/21/2021

 Technician:
 KL

 Time:
 10:00

 Weather:
 Snow 23

Site Wide						
Any repairs, maintenace or corrective actions since the last inspection?	YES	NO	COMMENTS:			
Are the requirements of the Site Management Plan being met?	YES	NO	COMMENTS:			
Any signs/evidence of use of the Site in a manner inconsistent with the deed restriction?	YES	NO	COMMENTS:			

Site Wide - SLG Responsible to Maintain						
Perimeter Fence and Gates intact? YES NO COMMENTS:						
Have the lawns been mowed?	YES	NO	COMMENTS: winter			

Soil Cover System					
Any signs of ground-intrusive activities?	YES	NO	COMMENTS:		
Any soil disturbance regardless of quantity/extent?	YES	NO	COMMENTS:		
Any surface erosion?	YES	NO	COMMENTS:		
Any settlement?	YES	NO	COMMENTS:		
Bare or sparsely-vegetated areas?	YES	NO	COMMENTS:		
Any other conditions affecting the thickness or the integrity of the soil cover system?	YES	NO	COMMENTS:		

NG Owned Property on Lake Street - Not part of the SMP					
Any repairs, maintenace or corrective actions since the last inspection?	YES			NO	COMMENTS:
Have the lawns been mowed?	YES	ES NO		NO	COMMENTS: winter
Conditon of the sidewalks?	GOOD	FA	٨R	POOR	COMMENTS:
Condition of the site trees?	GOOD	FAIR		POOR	COMMENTS:
Are the boulders in place?	YES			NO	COMMENTS:

Miscellaneous						
Evidence of Trespassing	YES NO COMMENTS:					
Litter	NONE MINOR SIGNIFICANT COMMENTS:					

Site Monitoring Wells				
Well ID.	Location Secure			
MW-2(R)	YES NO			
MW-5R(R)	YES	NO		
MW-8R	YES	NO		
MW-9	YES	NO		
MW-10R	YES	NO		
MW-11	YES	NO		
MW-12R	YES	NO		
MW-14R	YES	NO		
MW-15	YES	NO		
MW-15RS	YES	NO		
MW-17R	YES	NO		
MW-19R	YES	NO		
MW-20R	YES	NO		

 Date:
 10/1/2020

 Technician:
 KL

 Time:
 8:30

 Weather:
 Cloudy 53

Site Wide					
Any repairs, maintenace or corrective actions since the last inspection?	YES	NO	COMMENTS:		
Are the requirements of the Site Management Plan being met?	YES	NO	COMMENTS:		
Any signs/evidence of use of the Site in a manner inconsistent with the deed restriction?	YES	NO	COMMENTS:		

Site Wide - SLG Responsible to Maintain					
Perimeter Fence and Gates intact?	YES	NO	COMMENTS:		
Have the lawns been mowed?	YES	NO	COMMENTS:		

Soil Cover System					
Any signs of ground-intrusive activities?	YES	NO	COMMENTS:		
Any soil disturbance regardless of quantity/extent?	YES	NO	COMMENTS:		
Any surface erosion?	YES	NO	COMMENTS:		
Any settlement?	YES	NO	COMMENTS:		
Bare or sparsely-vegetated areas?	YES	NO	COMMENTS:		
Any other conditions affecting the thickness or the integrity of the soil cover system?	YES	NO	COMMENTS:		

NG Owned Property on Lake Street - Not part of the SMP							
Any repairs, maintenace or corrective actions since the last inspection?	YES		NO		COMMENTS:		
Have the lawns been mowed?	YES	S		NO	COMMENTS:		
Conditon of the sidewalks?	GOOD	FA	٨IR	POOR	COMMENTS:		
Condition of the site trees?	GOOD	FA	٨IR	POOR	COMMENTS:		
Are the boulders in place?	YES	YES		NO	COMMENTS:		

Miscellaneous					
Evidence of Trespassing	YES NO COMMENTS:				
Litter	NONE	MIN	IOR	SIGNIFICANT	COMMENTS:

Site Monitoring Wells						
Well ID.	Location	n Secure				
MW-2(R)	YES	NO				
MW-5R(R)	YES	NO				
MW-8R	YES	NO				
MW-9	YES	NO				
MW-10R	YES	NO				
MW-11	YES	NO				
MW-12R	YES	NO				
MW-14R	YES	NO				
MW-15	YES	NO				
MW-15RS	YES	NO				
MW-17R	YES	NO				
MW-19R	YES	NO				
MW-20R	YES	NO				

Date: 7/14/2020 Technician: AJ
 Time:
 9:00

 Weather:
 Sunny 72

Site Wide						
Any repairs, maintenace or corrective actions since the last inspection?	YES	NO	COMMENTS:			
Are the requirements of the Site Management Plan being met?	YES	NO	COMMENTS:			
Any signs/evidence of use of the Site in a manner inconsistent with the deed restriction?	YES	NO	COMMENTS:			

Site Wide - SLG Responsible to Maintain						
Perimeter Fence and Gates intact?	YES	NO	COMMENTS:			
Have the lawns been mowed?	YES	NO	COMMENTS:			

Soil Cover System						
Any signs of ground-intrusive activities?	YES	NO	COMMENTS:			
Any soil disturbance regardless of quantity/extent?	YES	NO	COMMENTS:			
Any surface erosion?	YES	NO	COMMENTS:			
Any settlement?	YES	NO	COMMENTS:			
Bare or sparsely-vegetated areas?	YES	NO	COMMENTS:			
Any other conditions affecting the thickness or the integrity of the soil cover system?	YES	NO	COMMENTS:			

NG Owned Property on Lake Street - Not part of the SMP							
Any repairs, maintenace or corrective actions since the last inspection?	YES		NO		COMMENTS:		
Have the lawns been mowed?	YES	S		NO	COMMENTS:		
Conditon of the sidewalks?	GOOD	FA	٨IR	POOR	COMMENTS:		
Condition of the site trees?	GOOD	FA	٨IR	POOR	COMMENTS:		
Are the boulders in place?	YES	YES		NO	COMMENTS:		

Miscellaneous					
Evidence of Trespassing	YES NO COMMENTS:				
Litter	NONE	MIN	IOR	SIGNIFICANT	COMMENTS:

Site Monitoring Wells						
Well ID.	Location	n Secure				
MW-2(R)	YES	NO				
MW-5R(R)	YES	NO				
MW-8R	YES	NO				
MW-9	YES	NO				
MW-10R	YES	NO				
MW-11	YES	NO				
MW-12R	YES	NO				
MW-14R	YES	NO				
MW-15	YES	NO				
MW-15RS	YES	NO				
MW-17R	YES	NO				
MW-19R	YES	NO				
MW-20R	YES	NO				

Date: 6/23/2020 Technician: KL/BH 8:30 Sunny 70

Soil Cover System						
Any signs of ground-intrusive activities?	YES	NO	COMMENTS:			
Any soil disturbance regardless of quantity/extent?	YES	NO	COMMENTS:			
Any surface erosion?	YES	NO	COMMENTS:			
Any settlement?	YES	NO	COMMENTS:			
Bare or sparsely-vegetated areas?	YES	NO	COMMENTS:			
Excessive cracking or missing pavement?	YES	NO	COMMENTS:			
Any other conditions affecting the thickness or the integrity of the soil cover system?	YES	NO	COMMENTS:			

Site Wide							
Any repairs, maintenace or corrective actions since the last inspection?	YES		NO		COMMENTS:		
Have the lawns been mowed?	YES			NO	COMMENTS:		
Conditon of the asphalt pavement	GOOD	FA	٨R	POOR	COMMENTS: Lake St		
Conditon of the sidewalks?	GOOD	FAIR		POOR	COMMENTS: Lake St		
Condition of the site trees?	GOOD	FA	٨R	POOR	COMMENTS: Lake St		
Are the requirements of the Site Management Plan being met?	YES			NO	COMMENTS:		
Any signs/evidence of use of the Site in a manner inconsistent with the deed restriction?	YES			NO	COMMENTS:		
Are there any needed changes?	YES			NO	COMMENTS:		
Are the site records complete and up to date?	YES			NO	COMMENTS:		

Miscellaneous						
Evidence of Trespassing	YES NO COMMENTS:					
Litter	NONE	MIN	NOR	SIGNIFICANT	COMMENTS:	

Site Monitoring Wells				
Well ID.	Location Secure			
MW-2(R)	YES	NO		
MW-5R(R)	YES	NO		
MW-8R	YES	NO		
MW-9	YES	NO		
MW-10R	YES	NO		
MW-11	YES	NO		
MW-12R	YES	NO		
MW-14R	YES	NO		
MW-15	YES	NO		
MW-15RS	YES	NO		
MW-17R	YES	NO		
MW-19R	YES	NO		
MW-20R	YES	NO		

General Comments:

Hinge missing on St. Lawrence Gate. Fenceline needs to be sprayed?

Rear of fence overgrown.

Installed GES MC-2 lock on gate.

Installed GES MC-2 locks on wells.

New well manways needed for MW-8R, MW-9R and MW-10R

Do we need NG Signs??

National Grid- Ogdensburg MGP Site (NYSDEC Site No. 645053) Reporting Period – October 17, 2019 through February 17, 2021

Attachment 2: PRR Certification Form



Enclosure 2 NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION Site Management Periodic Review Report Notice Institutional and Engineering Controls Certification Form



Site	No. 645053	Box 1				
Site Name NM - Ogdensburg MGP Site Address: 10 King St. Zip Code: 13669 City/Town: Ogdensburg County: St Lawrence						
	Acreage: 0.958					
Re	Reporting Period: October 17, 2019 to February 17, 2021					
		YES	NO			
1.	Is the information above correct?	X				
	If NO, include handwritten above or on a separate sheet.					
2.	Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?		X			
3.	Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?		X			
4.	Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?		X			
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.						
5.	Is the site currently undergoing development?		X			
		YES	NO			
6.	Is the current site use consistent with the use(s) listed below? Commercial and Industrial	X				
7.	Are all ICs in place and functioning as designed?					
_	IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.					
A Corrective Measures Work Plan must be submitted along with this form to address these issues.						
Sig	nature of Owner, Remedial Party or Designated Representative Date					

SITE NO. 645053		Box 3					
Description of Institu	Description of Institutional Controls						
Parcel	Owner	Institutional Control					
48.078-5-19	St. Lawrence Gas Company	Ground Water Use Restriction Landuse Restriction Site Management Plan					
Deed Restriction was filed of 2018 (see Site # 645053).	Deed Restriction was filed on October 10, 2006. A Site Management Plan was approved on September 26, 2018 (see Site # 645053)						
48.078-5-25.1	NMPC. d/b/a National Grid						
		Ground Water Use Restriction Landuse Restriction Site Management Plan					
The Easement was recorded on March 22, 2018. The Site Management Plan was approved on September 26, 2018.							
		Box 4					
Description of Engin	eering Controls						
Parcel	Engineering Control						
48.078-5-19							
	Cover System Fencing/Access Contro	I					
	r the site include a site cover system a mercial use and groundwater use is a						
	Cover System Fencing/Access Contro	I					
The Engineering controls in place include a cover system, restriction of land use to commercial, groundwater use prohibited, and site fencing to control access.							

	Periodic Review Report (PRR) Certification Statements			
	I certify by checking "YES" below that:			
	a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the Engineering Control certification;			
	b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted and program practices; and the information presented is accurate and compete			
	engineering practices; and the information presented is accurate and compete. YES NO			
	X			
	For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:			
	(a) The Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;			
	(b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;			
	(c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;			
	(d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and			
(e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.				
	YES NO			
	\mathbf{X}			
	IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.			
	A Corrective Measures Work Plan must be submitted along with this form to address these issues.			

IC CERTIFICATIONS SITE NO. 645053

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Gerald Cresap, PE print name	at <u>5 Technology Place, Suite 4, East Syrac</u> print business address	use, NY,			
am certifying as <u>Agent for National Gr</u>	rid(Owner o	or Remedial Party)			
for the Site named in the Site Details Section of this form.					
Signature of Owner, Remedial Party, o Rendering Certification	or Designated Representative Date				

Qualifi	ied Environmental Professional Signature	Box 7				
certify that all information in Boxe	es 4 and 5 are true. I understand that a false stater neanor, pursuant to Section 210.45 of the Penal Lay					
I _ Gerald Cresap, PE	at 5 Technology Place, Suite 4, East Syra	cuse, NY				
print name	print business address					
am certifying as a Qualified Environmental Professional for the <u>Agent for National Grid</u> (Owner or Remedial Party)						
		l Party)				
		l Party)				
		l Party)				
Signature of Qualified Environmer	(Owner or Remedia	l Party)				

National Grid- Ogdensburg MGP Site (NYSDEC Site No. 645053) Reporting Period – October 17, 2019 through February 17, 2021

Attachment 3: Annual Monitoring Report



Steven P. Stucker, C.P.G. Lead Environmental Engineer

December 16, 2020

Mr. Scott Deyette Project Manager New York State Department of Environmental Conservation Division of Environmental Remediation, BURC 625 Broadway Albany, New York 12233-7014

RE: National Grid Former Manufactured Gas Plant Site 10 King Street, Ogdensburg, New York Annual Groundwater Monitoring Report

Dear Mr. Deyette:

Enclosed for your review is the Annual Groundwater Monitoring Report for the NG Ogdensburg MGP Site, for 2020.

Groundwater and Environmental Service, Inc., (GES) OM&M contractor for National Grid, conducts all long-term OM&M activities at the site. Semi-annual site inspections were conducted in 2020 (June, July, and October). The site is generally in good shape and in compliance. There were detection of BTEX and/or PAHs in all thirteen monitoring wells sampled.

If you have any questions, then please feel free to contact me at 315.428.5652.

Very truly yours,

5pp

for SPS

Steven P. Stucker, C.P.G. Lead Environmental Engineer National Grid

Cc: Devin T. Shay – Groundwater and Environmental Services, Inc.

National Grid

Annual Groundwater Monitoring Report



National Grid Ogdensburg, Former MGP Site 10 King Street, Ogdensburg, NY 13669

December 2020

Version 1





Annual Groundwater Monitoring Report

National Grid Ogdensburg, Former MGP Site 10 King Street Ogdensburg, NY 13669

Prepared for: National Grid 300 Erie Boulevard West, C-1 Syracuse, NY 13202

Prepared by: Groundwater & Environmental Services, Inc. 5 Technology Place, Suite 4 East Syracuse, NY 13057 TEL: 800-220-3069 www.gesonline.com

GES Project: 0603220.136690.221

Date: December 16, 2020

1

Devin T. Shay, PG Program Manager / Principal Hydrogeologist



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- Figure 4 Groundwater Analytical Map, July 14, 2020
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- Appendix A Field Inspection Reports
- Appendix B Well Sampling Field Data
- Appendix C Data Usability Summary Report



1 Introduction

This Semi-Annual Groundwater Monitoring Report presents results from the activities conducted at the Ogdensburg former manufactured gas plant (MGP) site (the site) located in Ogdensburg, New York (the Site). A site map is presented on Figure 1. The work summarized herein has been conducted in accordance with the approved Site Management Plan (SMP) for the site, dated September 26, 2018.

A detailed discussion of the semi-annual monitoring activities and results is presented below.

2 Semi-Annual Groundwater Monitoring

2.1 Objectives

The objectives of the July and October 2020 groundwater monitoring activities were to:

- Obtain groundwater elevation data from monitoring wells in the vicinity of the site to evaluate groundwater flow direction and velocity, and compare the results with historical groundwater flow conditions.
- Obtain analytical data to assess potential changes in groundwater quality at the site and compare the results to the Class GA groundwater standards and guidance values presented in the New York State Department of Environmental Conservation (NYSDEC) document entitled, "Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations" (TOGS 1.1.1), reissued June 1998 and addended April 2000 and June 2004.

2.2 Groundwater Well Gauging

The July 14, 2020 and October 1, 2020 groundwater monitoring field activities were conducted by GES. Prior to collecting groundwater samples, static fluid level measurements were collected from MW-2(R), MW-5R(R), MW-8R, MW-9, MW-10R, MW-11, MW-12R, MW-14R, MW-15, MW-15RS, MW-17R, MW-19R, and MW-20R. Water levels were measured to the nearest 0.01 foot using an electronic oil-water interface probe to determine the depth from a surveyed mark on the top of the inner polyvinyl chloride (PVC) well casing to the groundwater within the well.

The fluid level measurements obtained from each monitoring well were converted to groundwater elevations using the surveyed well elevations. The calculated groundwater elevations for each monitoring well are listed in Table 1. Table 1 also includes groundwater elevation measurements obtained during previous groundwater monitoring events. A shallow groundwater potentiometric surface contour map developed based on the groundwater elevation measurements taken on July 14, 2020, is included on Figure 2.

Groundwater generally flows to the north from the Site toward the St. Lawrence River. Groundwater elevations ranged from 248.40 feet above sea level (asl; well MW-15) to 256.42 feet asl (well MW-10R). Field data from the gauging event is presented in Appendix B.



2.3 Groundwater Well Sampling and Analytical Results

Groundwater samples were collected by GES from 13 monitoring wells on July 14, 2020 and October 1, 2020 (including MW-2(R), MW-5R(R), MW-8R, MW-9, MW-10R, MW-11, MW-12R, MW-14R, MW-15, MW-15RS, MW-17R, MW-19R, and MW-20R). Low-flow sampling techniques were used to purge groundwater from each monitoring well prior to collecting groundwater samples. Field parameters (consisting of turbidity, temperature, pH, conductivity, oxidation reduction potential [ORP], and dissolved oxygen) were measured approximately every 5 to 10 minutes during well purging, and the depth to water was monitored throughout the pumping process to minimize drawdown within the well. Well purging activities continued at each well until the field parameters stabilized and the turbidity of the water in the wells was reduced to less than 50 nephelometric turbidity units (NTUs). Groundwater field data is presented in Appendix B.

Following purging, groundwater samples were collected. The groundwater samples were bottled and shipped to Pace Analytical for laboratory analysis for Benzene, Toluene, Ethylbenzene, and total Xylenes (BTEX; EPA Method 8260C), Semi-Volatile Polycyclic Aromatic Hydrocarbons (PAHs; EPA Method 8270D), as well as total cyanide (EPA Method 9012B). Quality assurance/quality control (QA/QC) samples, including a field duplicate, matrix spike, and duplicate matrix spike were also submitted for laboratory analysis. The laboratory analytical results for the groundwater samples were reported using NYSDEC Analytical Services Protocol (ASP) Category B data deliverable packages to facilitate data validation.

Purge water generated during the sampling activities was collected in 5-gallon buckets and transferred into 55-gallon steel drums for characterization prior to offsite treatment/disposal in accordance with applicable regulations.

Analytical results from the laboratory analysis report are summarized in Table 2 and compared to the Class GA groundwater standards and guidance values presented in TOGS 1.1.1. VOC exceedances are bolded on Table 2 and further shown on Figure 3. The Data Usability Summary Report (DUSR) is included in Appendix C.

There were BTEX and/or PAH detections in all the monitoring wells sampled during the July and October 2020 sampling event. In July 2020, BTEX, acenapthene, benzo(a)anthracene, benzo(k)fluoranthene, benzo(b)fluoranthene, chrysene, indeno(1,2,3-cd)pyrene, and naphthalene were detected above the regulatory criteria in one or more samples. Cyanide was detected in monitoring wells MW-2(R), MW-5R(R), MW-8R, MW-9, MW-10R, MW-11, MW-12R, MW-15, and MW-15RS during the July 2020 event. In October 2020, BTEX, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, indeno(1,2,3-cd)pyrene, and naphthalene were detected above the regulatory criteria in one or more samples. Cyanide was detected in monitoring wells MW-2(R), MW-5R(R), MW-8R, MW-9, MW-10R, MW-11, MW-12R, and MW-15RS in October 2020.



3 Semi-Annual Site-Wide Inspections

The semi-annual site-wide inspections were conducted on June 23, July 14, and October 1, 2020. The Site Inspection Forms are presented in Appendix A. In general, the Site is in compliance.

4 **Recommendations**

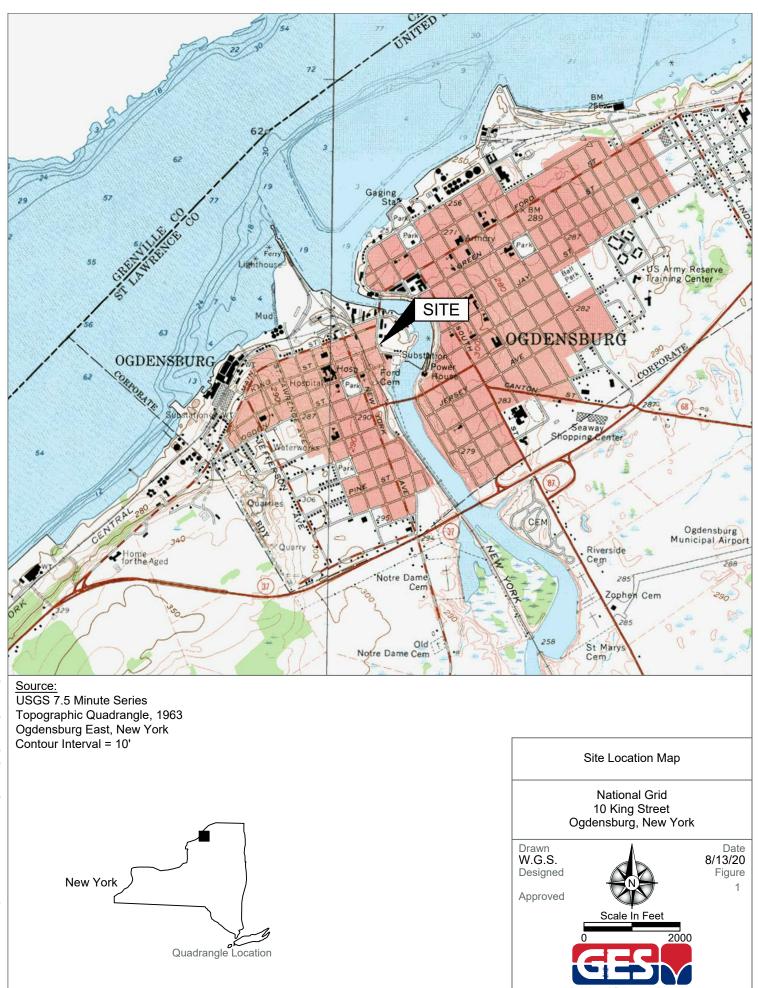
4.1 Recommendations

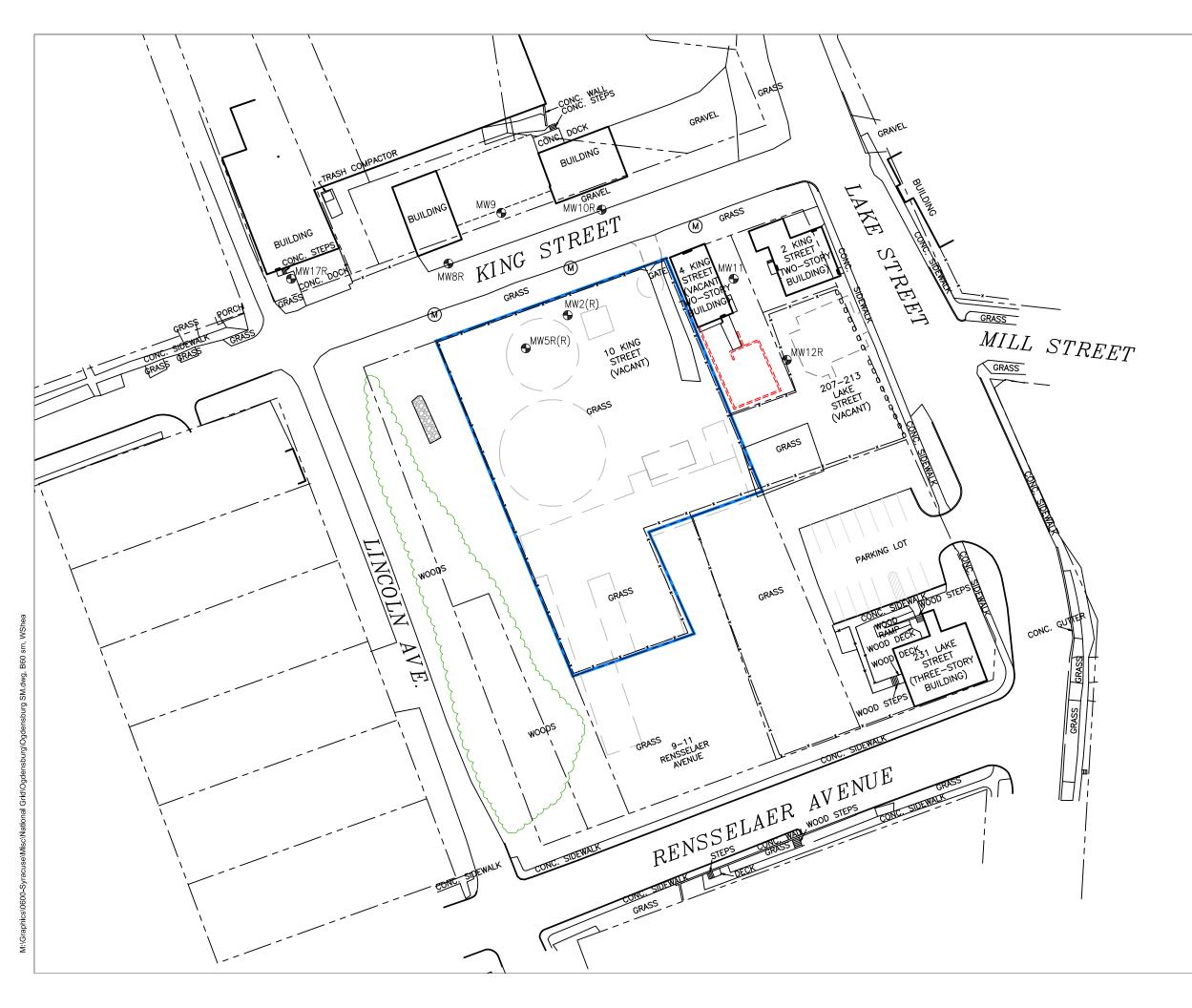
At this time, National Grid recommends continuing the annual monitoring activities. The next annual groundwater sampling event would be in the spring 2021. Semi-Annual site-wide inspections are required; however, for internal security purposes, National Grid will continue to conduct quarterly site-wide inspections.

Annual Groundwater Monitoring Report National Grid Ogdensburg Former MGP Site 10 King Street, Ogdensburg, New York









<u>LEGEND</u>

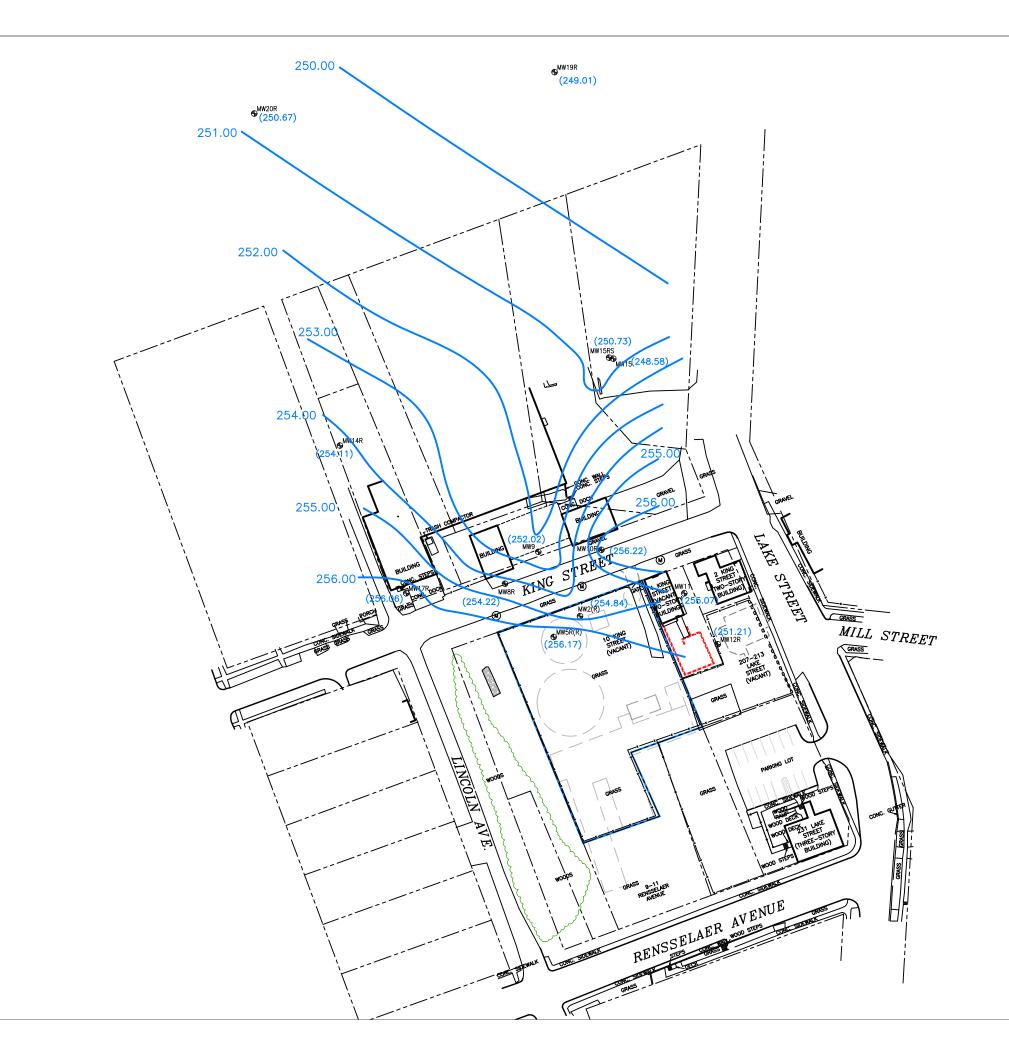
(M)

igodol

– – — PROPERTY BOUNDARY

- FENCE
- UTILITY MANHOLE
- MONITORING WELL



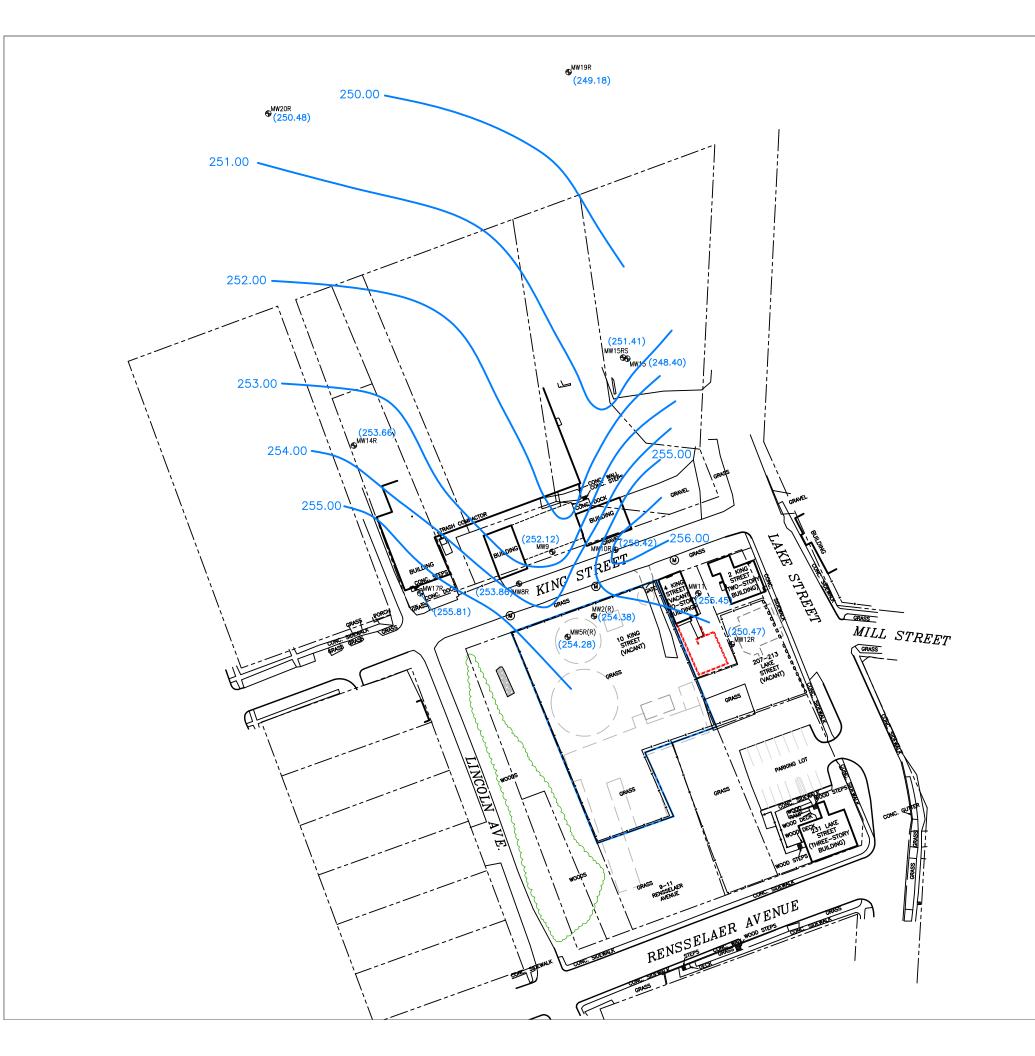


<u>LEGEND</u>	
	PROPERTY BOUNDARY
x	FENCE
M	UTILITY MANHOLE
\bullet	MONITORING WELL
(256.22)	GROUNDWATER ELEVATION (feet)
\sim	NOT SAMPLED

NOTE:

MW12R AND MW15 WERE NOT USED TO GENERATE GROUNDWATER CONTOURS.





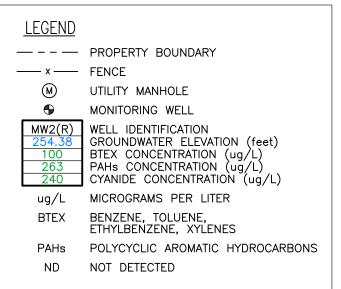
<u>LEGEND</u>	
	PROPERTY BOUNDARY
x	FENCE
M	UTILITY MANHOLE
\bullet	MONITORING WELL
(256.42)	GROUNDWATER ELEVATION (feet)
\sim	NOT SAMPLED

NOTE:

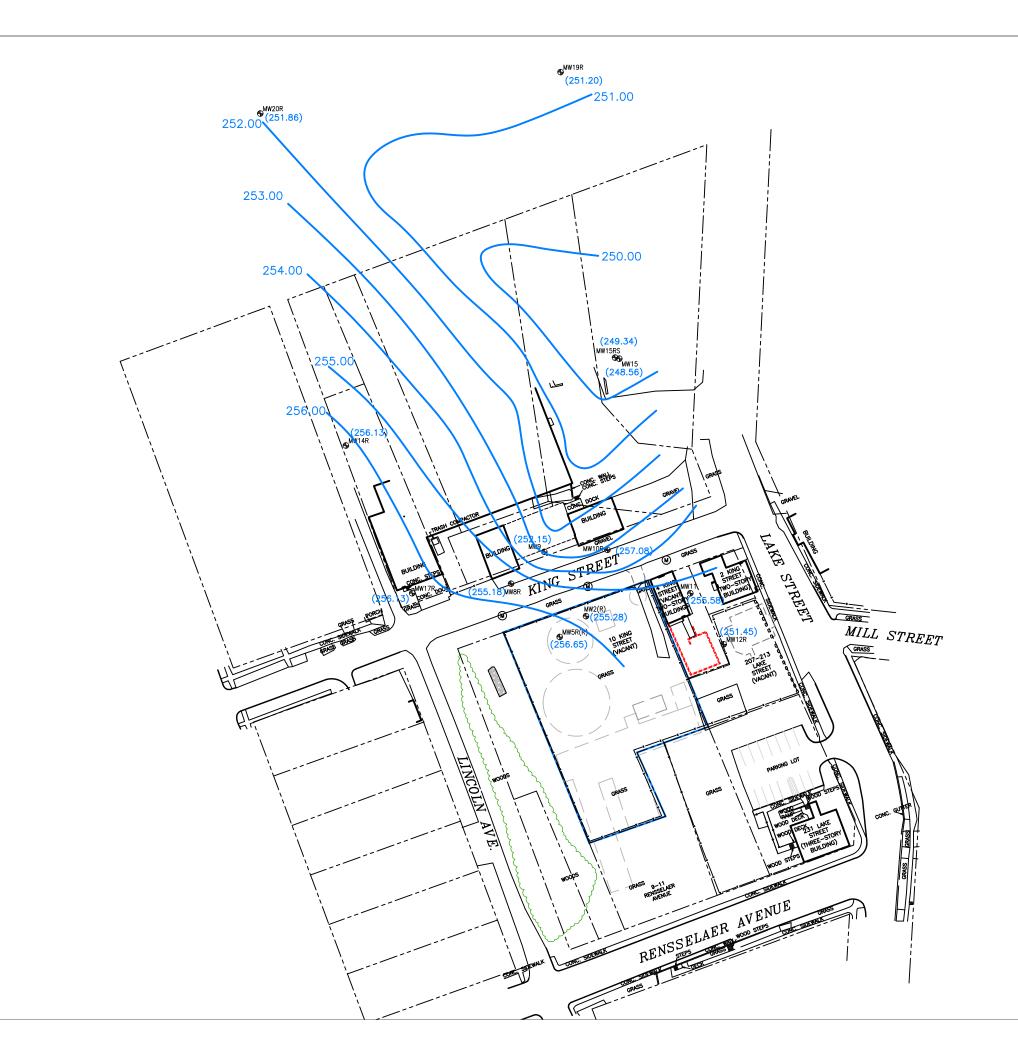
MW12R AND MW15 WERE NOT USED TO GENERATE GROUNDWATER CONTOURS.











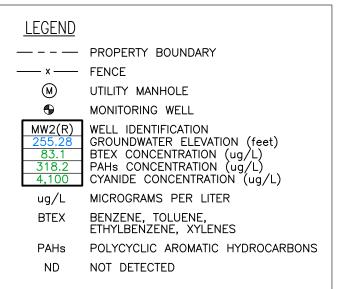
<u>LEGEND</u>	
	PROPERTY BOUNDARY
x	FENCE
M	UTILITY MANHOLE
\bullet	MONITORING WELL
(257.08)	GROUNDWATER ELEVATION (feet)
\sim	NOT SAMPLED

NOTE:

MW10R, MW12R AND MW15 WERE NOT USED TO GENERATE GROUNDWATER CONTOURS.









Annual Groundwater Monitoring Report National Grid Ogdensburg Former MGP Site 10 King Street, Ogdensburg, New York

Tables





Groundwater Monitoring Well Gauging Data

Well ID	Well Type & Diameter	Top of Inner Casing Elevation	Depth To Well Bottom	Well Bottom Elevation	Screen Elevation	Depth To Water (06/23/20)	Groundwater Elevation (06/23/20)	Depth To Water (07/14/20)	Groundwater Elevation (07/14/20)	Depth To Water (10/01/20)	Groundwater Elevation (10/01/20)
MW-2(R)	Flushmount; PVC; 2-inch	259.20	6.35	252.85	4.00 - 7.00	4.36	254.84	4.82	254.38	3.92	255.28
MW-5R(R)	Flushmount; PVC; 2-inch	259.40	24.30	235.10	13.00 - 23.00	3.23	256.17	5.12	254.28	2.75	256.65
MW-8R	Flushmount; PVC; 2-inch	257.38	20.92	236.46	11.00 - 21.00	3.16	254.22	3.52	253.86	2.20	255.18
MW-9	Flushmount; PVC; 2-inch	257.00	6.35	250.65	3.00 - 7.00	4.98	252.02	4.88	252.12	4.85	252.15
MW-10R	Flushmount; PVC; 2-inch	257.58	22.50	235.08	11.75 - 21.75	1.36	256.22	1.16	256.42	0.50	257.08
MW-11	Flushmount; PVC; 2-inch	259.07	6.51	252.56	3.10 - 7.10	4.00	255.07	3.62	255.45	3.49	255.58
MW-12R	Flushmount; PVC; 2-inch	260.79	21.40	239.39	10.00 - 20.00	9.58	251.21	10.32	250.47	9.34	251.45
MW-14R	Flushmount; PVC; 2-inch	256.13	50.80	205.33	39.00 - 49.00	2.02	254.11	2.47	253.66	0.00	256.13
MW-15	Flushmount; PVC; 2-inch	256.62	9.04	247.58	4.50 - 9.50	8.04	248.58	8.22	248.40	8.06	248.56
MW-15RS	Flushmount; PVC; 2-inch	257.74	23.65	234.09	14.00 - 24.00	7.01	250.73	7.33	250.41	8.40	249.34
MW-17R	Flushmount; PVC; 2-inch	263.29	26.90	236.39	14.86 - 24.86	7.23	256.06	7.48	255.81	7.16	256.13
MW-19R	Flushmount; PVC; 2-inch	255.52	38.05	217.47	28.52 - 38.52	6.51	249.01	6.34	249.18	4.32	251.20
MW-20R	Flushmount; PVC; 2-inch	251.86	28.40	223.46	18.20 - 28.20	1.19	250.67	1.38	250.48	0.00	251.86



Groundwater Analytical Data MW-2(R)

	NYSDEC TOGS 1.1.1 Guidance Values	Units	09/23/14	10/20/17	07/14/20	10/01/20
втех						
Benzene	1	µg/L	61	120	55.4	44.3
Ethylbenzene	5	µg/L	ND	3	1.5	1.6
Toluene	5	µg/L	29	44	22.4	19.4
Total Xylenes	5	µg/L	23	36	20.7	17.8
SVOCs						
Acenaphthene	20	µg/L	1.8 J	4 J	3.5	3.0
Acenaphthylene		µg/L	7.7	18	16.2	12.6
Anthracene	50	µg/L	1.7 J	3 J	2.6	1.8
Benzo(a)anthracene	0.002	µg/L	3.3	ND	0.13	0.37
Benzo(a)pyrene	ND	µg/L	2.8	ND	ND	0.38
Benzo(b)fluoranthene	0.002	µg/L	3.5	ND	ND	0.50
Benzo(g,h,i)perylene		µg/L	1.6 J	ND	ND	0.23
Benzo(k)fluoranthene	0.002	µg/L	1.4 J	ND	ND	0.17
Chrysene	0.002	µg/L	2.6	ND	ND	0.29
Dibenz(a,h)anthracene		µg/L	ND	ND	ND	ND
Fluoranthene	50	µg/L	6.9	ND	1.2	1.3
Fluorene	50	µg/L	2.3	7	6.2	5.2
Indeno(1,2,3-cd)pyrene	0.002	µg/L	1.4 J	ND	ND	0.23
2-Methylnapthalene		µg/L	5.8	20	17.9	17.1
Naphthalene	10	µg/L	120	270	210	270
Phenanthrene	50	µg/L	4.1	6	5.0	4.1
Pyrene	50	µg/L	5.4	ND	0.74	0.92
Inorganics						
Cyanide, Total	200	µg/L	900	530	240	4100

Notes:

Е

Results are presented in units of micrograms per liter (µg/L).

= Results exceeded calibration range

D = Compound quantitated using a secondary dilution

J = Analyte was detected at a concentration less than the laboratory reporting limit

ND (<#) = Not detected above laboratory reporting limit. # represents the laboratory reporting limit.



Groundwater Analytical Data MW-5R(R)

	NYSDEC TOGS 1.1.1 Guidance Values	Units	09/22/14	10/20/17	07/14/20	10/01/20
втех						
Benzene	1	µg/L	130	440	392	354
Ethylbenzene	5	µg/L	7.0	26	27.3	24.3
Toluene	5	µg/L	3.0	70	82.6	65.0
Total Xylenes	5	µg/L	6.4	53	78.9	58.7
SVOCs						
Acenaphthene	20	µg/L	9.8	71	44.9	38.8
Acenaphthylene		µg/L	6.6	40	31.9	24.6
Anthracene	50	µg/L	0.50 J	8	4.9	3.1
Benzo(a)anthracene	0.002	µg/L	ND	ND	0.11	ND
Benzo(a)pyrene	ND	µg/L	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	µg/L	ND	ND	ND	ND
Benzo(g,h,i)perylene		µg/L	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	µg/L	ND	ND	ND	ND
Chrysene	0.002	µg/L	ND	ND	ND	ND
Dibenz(a,h)anthracene		µg/L	ND	ND	ND	ND
Fluoranthene	50	µg/L	ND	6	4.2	2.4
Fluorene	50	µg/L	4.7	48	28.4	23.8
Indeno(1,2,3-cd)pyrene	0.002	µg/L	ND	ND	ND	ND
2-Methylnapthalene		µg/L	ND	6	10.3	7.9
Naphthalene	10	µg/L	4.1	210	248	315
Phenanthrene	50	µg/L	2.6	41	25.2	20.7
Pyrene	50	µg/L	ND	5	3.5	2.1
Inorganics						
Cyanide, Total	200	µg/L	10	55	55	49

Notes:

Е

Results are presented in units of micrograms per liter (µg/L).

= Results exceeded calibration range

D = Compound quantitated using a secondary dilution

J = Analyte was detected at a concentration less than the laboratory reporting limit

ND (<#) = Not detected above laboratory reporting limit. # represents the laboratory reporting limit.



Groundwater Analytical Data MW-8R

	NYSDEC TOGS 1.1.1 Guidance Values	Units	09/24/14	10/19/17	07/14/20	10/01/20
втех						
Benzene	1	µg/L	550	800	1,300	576
Ethylbenzene	5	µg/L	13	14	66.2	13.6
Toluene	5	µg/L	10	20	75.2	9.2
Total Xylenes	5	µg/L	19	27	132	18.0
SVOCs						
Acenaphthene	20	µg/L	5.6	10	16.2	7.6
Acenaphthylene		µg/L	6.7	10	23.4	5.4
Anthracene	50	µg/L	0.94 J	0.9	2.9	0.68
Benzo(a)anthracene	0.002	µg/L	ND	ND	0.48	0.48
Benzo(a)pyrene	ND	µg/L	ND	ND	0.28	0.36
Benzo(b)fluoranthene	0.002	µg/L	ND	ND	0.31	0.38
Benzo(g,h,i)perylene		µg/L	ND	ND	0.10	0.13
Benzo(k)fluoranthene	0.002	µg/L	ND	ND	0.10	0.18
Chrysene	0.002	µg/L	0.39 J	ND	0.28	0.32
Dibenz(a,h)anthracene		µg/L	ND	ND	ND	ND
Fluoranthene	50	µg/L	1.5 J	0.7	2.5	1.2
Fluorene	50	µg/L	4.40	7	15.6	4.5
Indeno(1,2,3-cd)pyrene	0.002	µg/L	ND	ND	0.10	0.14
2-Methylnapthalene		µg/L	3.7	3	15.0	2.5
Naphthalene	10	µg/L	33	51	333	37.9
Phenanthrene	50	µg/L	2.7	2	9.2	1.7
Pyrene	50	µg/L	1.1 J	0.5	1.8	0.97
Inorganics						
Cyanide, Total	200	µg/L	59	320	54	58

Notes:

Е

Results are presented in units of micrograms per liter (µg/L).

= Results exceeded calibration range

D = Compound quantitated using a secondary dilution

J = Analyte was detected at a concentration less than the laboratory reporting limit

ND (<#) = Not detected above laboratory reporting limit. # represents the laboratory reporting limit.



Groundwater Analytical Data

MW-9

	NYSDEC TOGS 1.1.1 Guidance Values	Units	09/24/14	10/19/17	07/14/20	10/01/20
втех						
Benzene	1	µg/L	280	340	283	228
Ethylbenzene	5	µg/L	120	140	112	107
Toluene	5	µg/L	170	85	50.8	16.3
Total Xylenes	5	µg/L	250	180	91.7	52.1
SVOCs						
Acenaphthene	20	µg/L	76	48	30.2	55.5
Acenaphthylene		µg/L	29	17	8.6	11.0
Anthracene	50	µg/L	11	8	2.6	11.4
Benzo(a)anthracene	0.002	µg/L	ND	2	0.21	5.80
Benzo(a)pyrene	ND	µg/L	ND	1	ND	4.4
Benzo(b)fluoranthene	0.002	µg/L	ND	1	ND	4.8
Benzo(g,h,i)perylene		µg/L	ND	0.4 J	ND	1.5
Benzo(k)fluoranthene	0.002	μg/L	ND	0.5 J	ND	1.8
Chrysene	0.002	µg/L	ND	1	0.13	4.30
Dibenz(a,h)anthracene		µg/L	ND	0.2 J	ND	0.46
Fluoranthene	50	µg/L	6.0	8	2.2	19.2
Fluorene	50	µg/L	56	38	19.0	36.1
Indeno(1,2,3-cd)pyrene	0.002	µg/L	ND	1	ND	1.5
2-Methylnapthalene		µg/L	14	1	ND	ND
Naphthalene	10	µg/L	450	72	18.1	9.1
Phenanthrene	50	µg/L	51	36	9.7	25.2
Pyrene	50	µg/L	3.5	5	1.2	12.7
Inorganics						
Cyanide, Total	200	μg/L	410	1,300	1,000	1,500

Notes: Results E

Results are presented in units of micrograms per liter (µg/L).

= Results exceeded calibration range

D = Compound quantitated using a secondary dilution

J = Analyte was detected at a concentration less than the laboratory reporting limit

ND (<#) = Not detected above laboratory reporting limit. # represents the laboratory reporting limit.



Groundwater Analytical Data MW-10R

	NYSDEC TOGS 1.1.1 Guidance Values	Units	09/23/14	10/19/17	07/14/20	10/01/20
втех						
Benzene	1	µg/L	1,700 J	1,400	1,360	1,540
Ethylbenzene	5	µg/L	25 J	100	122	124
Toluene	5	µg/L	3.1	94	230	201
Total Xylenes	5	µg/L	15	65	161	150
SVOCs						
Acenaphthene	20	µg/L	9.6	24	16.8	25.3
Acenaphthylene		µg/L	6.0	23	22.7	27.5
Anthracene	50	µg/L	ND	0.5	0.80	0.89
Benzo(a)anthracene	0.002	µg/L	ND	ND	ND	ND
Benzo(a)pyrene	ND	µg/L	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	µg/L	ND	ND	ND	ND
Benzo(g,h,i)perylene		µg/L	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	µg/L	ND	ND	ND	ND
Chrysene	0.002	µg/L	ND	ND	ND	ND
Dibenz(a,h)anthracene		µg/L	ND	ND	ND	ND
Fluoranthene	50	µg/L	ND	ND	0.11	0.11
Fluorene	50	µg/L	3.9	11	8.1	11.4
Indeno(1,2,3-cd)pyrene	0.002	µg/L	ND	ND	ND	ND
2-Methylnapthalene		µg/L	ND	1	3.6	4.8
Naphthalene	10	µg/L	20 J	140	296	486
Phenanthrene	50	µg/L	1.3 J	2	1.6	2.4
Pyrene	50	µg/L	ND	ND	ND	ND
Inorganics						
Cyanide, Total	200	µg/L	420	190	63	62

Notes:

Е

Results are presented in units of micrograms per liter (µg/L).

= Results exceeded calibration range

D = Compound quantitated using a secondary dilution

J = Analyte was detected at a concentration less than the laboratory reporting limit

ND (<#) = Not detected above laboratory reporting limit. # represents the laboratory reporting limit.



Groundwater Analytical Data

MW-11

	NYSDEC TOGS 1.1.1 Guidance Values	Units	09/25/14	10/18/17	07/14/20	10/01/20
втех						
Benzene	1	µg/L	ND	ND	ND	ND
Ethylbenzene	5	µg/L	ND	ND	ND	ND
Toluene	5	µg/L	ND	ND	ND	ND
Total Xylenes	5	µg/L	ND	ND	ND	ND
SVOCs						
Acenaphthene	20	µg/L	ND	ND	ND	ND
Acenaphthylene		µg/L	ND	ND	ND	ND
Anthracene	50	µg/L	ND	ND	ND	ND
Benzo(a)anthracene	0.002	µg/L	ND	ND	0.11	ND
Benzo(a)pyrene	ND	µg/L	ND	ND	0.14	ND
Benzo(b)fluoranthene	0.002	µg/L	ND	ND	0.13	ND
Benzo(g,h,i)perylene		µg/L	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	µg/L	ND	ND	ND	ND
Chrysene	0.002	µg/L	ND	ND	ND	ND
Dibenz(a,h)anthracene		µg/L	ND	ND	ND	ND
Fluoranthene	50	µg/L	ND	ND	ND	ND
Fluorene	50	µg/L	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	µg/L	ND	ND	ND	ND
2-Methylnapthalene		µg/L	ND	ND	0.19	ND
Naphthalene	10	µg/L	ND	ND	0.87	0.36
Phenanthrene	50	µg/L	ND	ND	ND	ND
Pyrene	50	µg/L	ND	ND	ND	ND
Inorganics						
Cyanide, Total	200	µg/L	250	310	160	270

Notes: Results E

Results are presented in units of micrograms per liter (µg/L).

= Results exceeded calibration range

D = Compound quantitated using a secondary dilution

J = Analyte was detected at a concentration less than the laboratory reporting limit

ND (<#) = Not detected above laboratory reporting limit. # represents the laboratory reporting limit.



Groundwater Analytical Data MW-12R

	NYSDEC TOGS 1.1.1 Guidance Values	Units	09/24/14	10/18/17	07/14/20	10/01/20
втех						
Benzene	1	µg/L	2,600	2,900	1,420	2,440
Ethylbenzene	5	µg/L	130	110	67.6	86.7
Toluene	5	µg/L	7.4	15	5.8	13.8
Total Xylenes	5	µg/L	49	83	27.8	58.1
SVOCs						
Acenaphthene	20	µg/L	3.4	4	104	1.2
Acenaphthylene		µg/L	4.8	7	1.9	1.5
Anthracene	50	µg/L	ND	ND	ND	0.098
Benzo(a)anthracene	0.002	µg/L	ND	ND	ND	ND
Benzo(a)pyrene	ND	µg/L	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	µg/L	ND	ND	ND	ND
Benzo(g,h,i)perylene		µg/L	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	µg/L	ND	ND	ND	ND
Chrysene	0.002	µg/L	ND	ND	ND	ND
Dibenz(a,h)anthracene		µg/L	ND	ND	ND	ND
Fluoranthene	50	µg/L	ND	ND	ND	ND
Fluorene	50	µg/L	ND	0.3 J	0.24	0.2
Indeno(1,2,3-cd)pyrene	0.002	µg/L	ND	ND	ND	ND
2-Methylnapthalene		µg/L	ND	ND	ND	ND
Naphthalene	10	µg/L	31	92	6.1	19.7
Phenanthrene	50	µg/L	ND	ND	ND	ND
Pyrene	50	µg/L	ND	ND	ND	ND
Inorganics						
Cyanide, Total	200	µg/L	190	37	62	33

Notes:

Е

Results are presented in units of micrograms per liter (µg/L).

= Results exceeded calibration range

D = Compound quantitated using a secondary dilution

J = Analyte was detected at a concentration less than the laboratory reporting limit

ND (<#) = Not detected above laboratory reporting limit. # represents the laboratory reporting limit.



Groundwater Analytical Data MW-14R

	NYSDEC TOGS 1.1.1 Guidance Values	Units	09/25/14	10/18/17	07/14/20	10/01/20
втех						
Benzene	1	µg/L	3.0	48	1.0	ND
Ethylbenzene	5	µg/L	ND	ND	ND	ND
Toluene	5	µg/L	ND	ND	ND	ND
Total Xylenes	5	µg/L	ND	ND	ND	ND
SVOCs						
Acenaphthene	20	µg/L	ND	ND	0.12	ND
Acenaphthylene		µg/L	ND	ND	ND	ND
Anthracene	50	µg/L	ND	ND	ND	ND
Benzo(a)anthracene	0.002	µg/L	ND	ND	ND	ND
Benzo(a)pyrene	ND	µg/L	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	µg/L	ND	ND	ND	ND
Benzo(g,h,i)perylene		µg/L	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	µg/L	ND	ND	ND	ND
Chrysene	0.002	µg/L	ND	ND	ND	ND
Dibenz(a,h)anthracene		µg/L	ND	ND	ND	ND
Fluoranthene	50	µg/L	ND	ND	ND	ND
Fluorene	50	µg/L	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	µg/L	ND	ND	ND	ND
2-Methylnapthalene		µg/L	ND	ND	0.14	ND
Naphthalene	10	µg/L	ND	ND	0.96	ND
Phenanthrene	50	µg/L	ND	ND	ND	ND
Pyrene	50	µg/L	ND	ND	ND	ND
Inorganics						
Cyanide, Total	200	µg/L	ND	ND	ND	ND

Notes:

Е

Results are presented in units of micrograms per liter (µg/L).

= Results exceeded calibration range

D = Compound quantitated using a secondary dilution

J = Analyte was detected at a concentration less than the laboratory reporting limit

ND (<#) = Not detected above laboratory reporting limit. # represents the laboratory reporting limit.



Groundwater Analytical Data MW-15

	NYSDEC TOGS 1.1.1 Guidance Values	Units	09/24/14	10/19/17	07/14/20	10/01/20
втех						
Benzene	1	µg/L	ND	ND	ND	ND
Ethylbenzene	5	µg/L	ND	ND	ND	ND
Toluene	5	µg/L	ND	ND	ND	ND
Total Xylenes	5	µg/L	ND	ND	ND	ND
SVOCs						
Acenaphthene	20	µg/L	ND	ND	0.15	ND
Acenaphthylene		µg/L	ND	ND	0.18	ND
Anthracene	50	µg/L	ND	ND	0.12	ND
Benzo(a)anthracene	0.002	µg/L	ND	ND	0.28	ND
Benzo(a)pyrene	ND	µg/L	ND	0.2 J	0.27	ND
Benzo(b)fluoranthene	0.002	µg/L	ND	0.2 J	0.29	ND
Benzo(g,h,i)perylene		µg/L	ND	0.2 J	0.13	ND
Benzo(k)fluoranthene	0.002	µg/L	ND	ND	0.11	ND
Chrysene	0.002	µg/L	ND	ND	0.19	ND
Dibenz(a,h)anthracene		µg/L	ND	0.2 J	ND	ND
Fluoranthene	50	µg/L	ND	ND	0.45	ND
Fluorene	50	µg/L	ND	0.3 J	0.13	ND
Indeno(1,2,3-cd)pyrene	0.002	µg/L	ND	ND	0.12	ND
2-Methylnapthalene		µg/L	ND	ND	0.2	ND
Naphthalene	10	µg/L	ND	ND	1.0	0.27
Phenanthrene	50	µg/L	ND	0.1 J	0.28	ND
Pyrene	50	µg/L	0.35 J	0.3 J	0.4	ND
Inorganics						
Cyanide, Total	200	µg/L	ND	ND	15	ND

Notes:

Е

Results are presented in units of micrograms per liter (µg/L).

= Results exceeded calibration range

D = Compound quantitated using a secondary dilution

J = Analyte was detected at a concentration less than the laboratory reporting limit

ND (<#) = Not detected above laboratory reporting limit. # represents the laboratory reporting limit.



Groundwater Analytical Data MW-15RS

	NYSDEC TOGS 1.1.1 Guidance Values	Units	09/22/14	10/19/17	07/14/20	10/01/20
BTEX						
Benzene	1	µg/L	750	170	4.8	9.7
Ethylbenzene	5	µg/L	ND	ND	ND	ND
Toluene	5	µg/L	0.54 J	ND	ND	ND
Total Xylenes	5	µg/L	ND	ND	ND	ND
SVOCs						
Acenaphthene	20	µg/L	ND	ND	ND	ND
Acenaphthylene		µg/L	ND	ND	ND	ND
Anthracene	50	µg/L	ND	ND	ND	ND
Benzo(a)anthracene	0.002	µg/L	ND	ND	ND	ND
Benzo(a)pyrene	ND	µg/L	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	µg/L	ND	ND	ND	ND
Benzo(g,h,i)perylene		µg/L	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	µg/L	ND	ND	ND	ND
Chrysene	0.002	µg/L	ND	ND	ND	ND
Dibenz(a,h)anthracene		µg/L	ND	ND	ND	ND
Fluoranthene	50	µg/L	ND	ND	ND	ND
Fluorene	50	µg/L	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	µg/L	ND	ND	ND	ND
2-Methylnapthalene		µg/L	ND	ND	0.14	ND
Naphthalene	10	µg/L	ND	ND	0.85	0.52
Phenanthrene	50	µg/L	ND	ND	ND	ND
Pyrene	50	µg/L	ND	ND	ND	ND
Inorganics						
Cyanide, Total	200	µg/L	160	64	67	41

Notes: Results E

Results are presented in units of micrograms per liter (µg/L).

= Results exceeded calibration range

D = Compound quantitated using a secondary dilution

J = Analyte was detected at a concentration less than the laboratory reporting limit

ND (<#) = Not detected above laboratory reporting limit. # represents the laboratory reporting limit.



Groundwater Analytical Data MW-17R

	NYSDEC TOGS 1.1.1 Guidance Values	Units	09/25/14	10/18/17	07/14/20	10/01/20
втех						
Benzene	1	µg/L	ND	ND	ND	ND
Ethylbenzene	5	µg/L	ND	ND	ND	ND
Toluene	5	µg/L	ND	ND	ND	ND
Total Xylenes	5	µg/L	ND	ND	ND	ND
SVOCs						
Acenaphthene	20	µg/L	ND	ND	ND	ND
Acenaphthylene		µg/L	ND	ND	ND	ND
Anthracene	50	µg/L	ND	ND	ND	ND
Benzo(a)anthracene	0.002	µg/L	ND	ND	ND	ND
Benzo(a)pyrene	ND	µg/L	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	µg/L	ND	ND	ND	ND
Benzo(g,h,i)perylene		µg/L	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	µg/L	ND	ND	ND	ND
Chrysene	0.002	µg/L	ND	ND	ND	ND
Dibenz(a,h)anthracene		µg/L	ND	ND	ND	ND
Fluoranthene	50	µg/L	ND	ND	ND	ND
Fluorene	50	µg/L	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	µg/L	ND	ND	ND	ND
2-Methylnapthalene		µg/L	ND	ND	ND	ND
Naphthalene	10	µg/L	ND	ND	0.13	0.37
Phenanthrene	50	µg/L	ND	ND	ND	ND
Pyrene	50	µg/L	ND	ND	ND	ND
Inorganics						
Cyanide, Total	200	µg/L	ND	ND	ND	ND

Notes: Results E

Results are presented in units of micrograms per liter (µg/L).

= Results exceeded calibration range

D = Compound quantitated using a secondary dilution

J = Analyte was detected at a concentration less than the laboratory reporting limit

ND (<#) = Not detected above laboratory reporting limit. # represents the laboratory reporting limit.



Groundwater Analytical Data MW-17R

	NYSDEC TOGS 1.1.1 Guidance Values	Units	09/25/14	10/18/17	07/14/20	10/01/20
втех						
Benzene	1	µg/L	ND	ND	ND	ND
Ethylbenzene	5	µg/L	ND	ND	ND	ND
Toluene	5	µg/L	ND	ND	ND	ND
Total Xylenes	5	µg/L	ND	ND	ND	ND
SVOCs						
Acenaphthene	20	µg/L	ND	ND	ND	ND
Acenaphthylene		µg/L	ND	ND	ND	ND
Anthracene	50	µg/L	ND	ND	ND	ND
Benzo(a)anthracene	0.002	µg/L	ND	ND	ND	ND
Benzo(a)pyrene	ND	µg/L	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	µg/L	ND	ND	ND	ND
Benzo(g,h,i)perylene		µg/L	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	µg/L	ND	ND	ND	ND
Chrysene	0.002	µg/L	ND	ND	ND	ND
Dibenz(a,h)anthracene		µg/L	ND	ND	ND	ND
Fluoranthene	50	µg/L	ND	ND	ND	ND
Fluorene	50	µg/L	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	µg/L	ND	ND	ND	ND
2-Methylnapthalene		µg/L	ND	ND	ND	ND
Naphthalene	10	µg/L	ND	ND	0.30	0.12
Phenanthrene	50	µg/L	ND	ND	ND	ND
Pyrene	50	µg/L	ND	ND	ND	ND
Inorganics						
Cyanide, Total	200	µg/L	ND	ND	ND	ND

Notes:

Е

Results are presented in units of micrograms per liter (µg/L).

= Results exceeded calibration range

D = Compound quantitated using a secondary dilution

J = Analyte was detected at a concentration less than the laboratory reporting limit

ND (<#) = Not detected above laboratory reporting limit. # represents the laboratory reporting limit.



Groundwater Analytical Data MW-20R

	NYSDEC TOGS 1.1.1 Guidance Values	Units	09/25/14	10/18/17	07/14/20	10/01/20
BTEX						
Benzene	1	µg/L	ND	ND	ND	ND
Ethylbenzene	5	µg/L	ND	ND	ND	ND
Toluene	5	µg/L	ND	ND	ND	ND
Total Xylenes	5	µg/L	ND	ND	ND	ND
SVOCs						
Acenaphthene	20	µg/L	ND	ND	ND	ND
Acenaphthylene		µg/L	ND	ND	ND	ND
Anthracene	50	µg/L	ND	ND	ND	ND
Benzo(a)anthracene	0.002	µg/L	ND	ND	ND	ND
Benzo(a)pyrene	ND	µg/L	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	µg/L	ND	ND	ND	ND
Benzo(g,h,i)perylene		µg/L	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	µg/L	ND	ND	ND	ND
Chrysene	0.002	µg/L	ND	ND	ND	ND
Dibenz(a,h)anthracene		µg/L	ND	ND	ND	ND
Fluoranthene	50	µg/L	ND	ND	ND	ND
Fluorene	50	µg/L	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	µg/L	ND	ND	ND	ND
2-Methylnapthalene		µg/L	ND	ND	0.14	ND
Naphthalene	10	µg/L	ND	ND	0.89	0.21
Phenanthrene	50	µg/L	ND	ND	ND	ND
Pyrene	50	µg/L	ND	ND	ND	ND
Inorganics						
Cyanide, Total	200	µg/L	ND	ND	ND	ND

Notes:

Е

Results are presented in units of micrograms per liter (µg/L).

= Results exceeded calibration range

D = Compound quantitated using a secondary dilution

J = Analyte was detected at a concentration less than the laboratory reporting limit

ND (<#) = Not detected above laboratory reporting limit. # represents the laboratory reporting limit.

Annual Groundwater Monitoring Report National Grid Ogdensburg Former MGP Site 10 King Street, Ogdensburg, New York



Appendix A – Field Inspection Reports

Site Management Plan Inspection Form Ogdensburg (King Street) Non-Owned Former MGP Site Ogdensburg, New York

NYSDEC Site No. V00479

 Date:
 10/1/2020

 Technician:
 KL

Time:8:30Weather:Cloudy 53

Site Wide								
Any repairs, maintenace or corrective actions since the last inspection?	YES	NO	COMMENTS:					
Are the requirements of the Site Management Plan being met?	YES	NO	COMMENTS:					
Any signs/evidence of use of the Site in a manner inconsistent with the deed restriction?	YES	NO	COMMENTS:					

Site Wide - SLG Responsible to Maintain							
Perimeter Fence and Gates intact? YES NO COMMENTS:							
Have the lawns been mowed?	YES	NO	COMMENTS:				

Soil Cover System								
Any signs of ground-intrusive activities?	YES	NO	COMMENTS:					
Any soil disturbance regardless of quantity/extent?	YES	NO	COMMENTS:					
Any surface erosion?	YES	NO	COMMENTS:					
Any settlement?	YES	NO	COMMENTS:					
Bare or sparsely-vegetated areas?	YES	NO	COMMENTS:					
Any other conditions affecting the thickness or the integrity of the soil cover system?	YES	NO	COMMENTS:					

NG Owned Property on Lake Street - Not part of the SMP									
Any repairs, maintenace or corrective actions since the last inspection?	YES NO		NO	COMMENTS:					
Have the lawns been mowed?	YES NO		NO	COMMENTS:					
Conditon of the sidewalks?	GOOD	FA	AIR	POOR	COMMENTS:				
Condition of the site trees?	GOOD	FA	AIR	POOR	COMMENTS:				
Are the boulders in place?	YES			NO	COMMENTS:				

Miscellaneous								
Evidence of Trespassing	YES NO COMMENTS:							
Litter	NONE MINOR SIGNIFICANT COMMENTS:				COMMENTS:			

Site Monitoring Wells						
Well ID.	Location Secure					
MW-2(R)	YES	NO				
MW-5R(R)	YES	NO				
MW-8R	YES	NO				
MW-9	YES	NO				
MW-10R	YES	NO				
MW-11	YES NO					
MW-12R	YES	NO				
MW-14R	YES	NO				
MW-15	YES	NO				
MW-15RS	YES	NO				
MW-17R	YES	NO				
MW-19R	YES	NO				
MW-20R	YES	NO				

General Comments:

Site Management Plan Inspection Form Ogdensburg (King Street) Non-Owned Former MGP Site Ogdensburg, New York

NYSDEC Site No. V00479

Date: 7/14/2020 Technician: AJ Time:9:00Weather:Sunny 72

Site Wide					
Any repairs, maintenace or corrective actions since the last inspection?	YES	NO	COMMENTS:		
Are the requirements of the Site Management Plan being met?	YES	NO	COMMENTS:		
Any signs/evidence of use of the Site in a manner inconsistent with the deed restriction?	YES	NO	COMMENTS:		

Site Wide - SLG Responsible to Maintain						
Perimeter Fence and Gates intact? YES NO COMMENTS:						
Have the lawns been mowed?	YES	NO	COMMENTS:			

Soil Cover System						
Any signs of ground-intrusive activities?	YES	NO	COMMENTS:			
Any soil disturbance regardless of quantity/extent?	YES	NO	COMMENTS:			
Any surface erosion?	YES	NO	COMMENTS:			
Any settlement?	YES	NO	COMMENTS:			
Bare or sparsely-vegetated areas?	YES	NO	COMMENTS:			
Any other conditions affecting the thickness or the integrity of the soil cover system?	YES	NO	COMMENTS:			

NG Owned Property on Lake Street - Not part of the SMP						
Any repairs, maintenace or corrective actions since the last inspection?	YES NO			NO	COMMENTS:	
Have the lawns been mowed?	YES		NO		COMMENTS:	
Conditon of the sidewalks?	GOOD	FA	٨IR	POOR	COMMENTS:	
Condition of the site trees?	GOOD	FA	٨IR	POOR	COMMENTS:	
Are the boulders in place?	YES			NO	COMMENTS:	

Miscellaneous					
Evidence of Trespassing	YES NO COMMENTS:				
Litter	NONE	MINOR		SIGNIFICANT	COMMENTS:

Site Monitoring Wells						
Well ID.	Location Secure					
MW-2(R)	YES	NO				
MW-5R(R)	YES	NO				
MW-8R	YES	NO				
MW-9	YES	NO				
MW-10R	YES	NO				
MW-11	YES	NO				
MW-12R	YES	NO				
MW-14R	YES	NO				
MW-15	YES	NO				
MW-15RS	YES	NO				
MW-17R	YES	NO				
MW-19R	YES	NO				
MW-20R	YES	NO				

General Comments:

Site Management Plan Inspection Form Ogdensburg (King Street) Non-Owned Former MGP Site Ogdensburg, New York

Date: 6/23/2020 Technician: KL/BH Time:8:30Weather:Sunny 70

Soil Cover System COMMENTS: Any signs of ground-intrusive activities? YES NO COMMENTS: Any soil disturbance regardless of quantity/extent? YES NO COMMENTS: YES NO Any surface erosion? COMMENTS: Any settlement? YES NO COMMENTS: Bare or sparsely-vegetated areas? YES NO COMMENTS: Excessive cracking or missing pavement? YES NO COMMENTS: Any other conditions affecting the thickness or the YES NO integrity of the soil cover system?

Site Wide						
Any repairs, maintenace or corrective actions since the last inspection?	YES		NO		COMMENTS:	
Have the lawns been mowed?	YES		NO		COMMENTS:	
Conditon of the asphalt pavement	GOOD	FA	AIR	POOR	COMMENTS: Lake St	
Conditon of the sidewalks?	GOOD	FAIR		POOR	COMMENTS: Lake St	
Condition of the site trees?	GOOD	FA	FAIR F		COMMENTS: Lake St	
Are the requirements of the Site Management Plan being met?	YES		NO		COMMENTS:	
Any signs/evidence of use of the Site in a manner inconsistent with the deed restriction?	YES		NO		COMMENTS:	
Are there any needed changes?	YES		NO		COMMENTS:	
Are the site records complete and up to date?	YES			NO	COMMENTS:	

Miscellaneous						
Evidence of Trespassing	YES NO COMMENTS:					
Litter	NONE	MINOR SIGNIFIC		SIGNIFICANT	COMMENTS:	

Site Monitoring Wells					
Well ID.	Location Secure				
MW-2(R)	YES	NO			
MW-5R(R)	YES	NO			
MW-8R	YES	NO			
MW-9	YES	NO			
MW-10R	YES	NO			
MW-11	YES	NO			
MW-12R	YES	NO			
MW-14R	YES	NO			
MW-15	YES	NO			
MW-15RS	YES	NO			
MW-17R	YES	NO			
MW-19R	YES	NO			
MW-20R	YES	NO			

General Comments:

Hinge missing on St. Lawrence Gate.

Fenceline needs to be sprayed?

Rear of fence overgrown.

Installed GES MC-2 lock on gate.

Installed GES MC-2 locks on wells.

New well manways needed for MW-8R, MW-9R and MW-10R

Do we need NG Signs??



Appendix B – Well Sampling Field Data

Sampling Personnel: 14:5	Date: 7/14/20			
Job Number: 0603123-136690-221	Weather:			
Well Id. MW-2(R)	Time In: 10 20 Time Out: 115			
Mall Information				
Well Information TOC Other Depth to Water: (feet) 4.82 Depth to Bottom: (feet) 6.35 Depth to Product: (feet) 0.97 Length of Water Column: (feet) 1.53 Volume of Water in Well: (gal) 0.9 Three Well Volumes: (gal) 2-7	Well Type: Flushmount Stick-Up Well Locked: Yes No Measuring Point Marked: Yes No Well Material: PVC SS Other: Well Diameter: 1" 2" Other: Comments: Other: Other: Other:			
	thylene of			
Sampling Method: Bailer Peristaltic Grundfos				
Duration of Pumping: 30 (min)	1 gallon=3.785L=3785mL=1337cu. feet			
Total Volume Removed: 1, 0 (gal) Did well go dry?	Yes No X			
Horiba U-52 Water Quality Meter Used? Yes No				
Time DTW Temp pH ORP	Conductivity Turbidity DO TDS			
(feet) (°C) (mV)	(mS/cm) (NTU) (mg/L) (g/L)			
1025 5.42 21.41 9.01 -239	0.621 363 1.72 1.389			
1030 5.85 22.97 7.52 -206	0579 69.4 1.64 0372			
1035 6-20 22.81 7.51 -207	0.508 53.3 0.85 0.363			
1040 6.25 22.70 9.32 -285	0.591 47.8 366 0377			
1045 6.28 22.76 10.51 -233	0.677 37.2 6.48 0.429			
1050 629 2334 10.555 -214 1055 628 29,25 1075 -218	0.810 22.3 6.42 6515 0.910 14.2 6.16 0.581			
101.5 0-20 F1,25 10.0 -210	0 110 19.2 610 0001			
Sampling Information:				
EPA SW-846 Method 8270 SVOC PAH's	2 - 1 liter ambers Yes No			
EPA SW-846 Method 8260 VOC's BTEX	3 - 40 ml vials Yes No			
EPA SW-846 Method 9012 Total Cyanide	1 - 250 ml plastic Yes No			
Sample ID: MW-2(R)-0720 Duplicate? Yes No	Shipped: Pace Courier Pickup			
Sample Time: 1100 MS/MSD? Yes No	Shipped. Face Counter Pickup Ship to Pace			
	Laboratory: Pace Analytical			

Greensburg, PA

						and a second		
Sampling Per	sonnel:	15			Date:	7/14/	26	
Job Number:	0603123-	136690-221			Weather:	72°F.	SUMMY	
Well Id.	MW-5R(R)				Time In:	0930	Time Out	1015
Well Inf	ormation		тос	Other	Well Type	: Flu:	shmount	Stick-Up
Depth to Wat	and the second se	(feet)	5.12		Well Lock		Yes	No
Depth to Bott	and the second se	(feet)	24.30			Point Marked:	Yes	No
Depth to Proc	and the second se	(feet)	NP 9.18		Well Mate			her:
Length of Wa			3.0		Well Diam Comments		2" 🛛 0t	her:
Three Well Vo		(gal) (gal)	2.0 9.0		Commente	5.		
	Sidifies.	(941)	1.0					
Purging Ir	nformation	-					Conversion I	Factors
Purging Metho	od:	Bailer	Peristaltic	Grund ⁻	fos Pump	gal/ft.	1" ID 2" ID	4" ID 6" ID
Tubing/Bailer	Material:	Teflon	Stainless St.	Pol	yethylene	of		
Sampling Met		Bailer	Peristaltic	Grund	fos Pump	water	0.04 0.16	0.66 1.47
Average Pum	and the second se	CO (ml/min)				1 gail	on=3.785L=3785r	nL=1337cu. feet
Duration of Pu		<u>30 (min)</u>						
Total Volume		<u>} (gal)</u>		id well go dry?	Yes No	×		
Horiba U-52 V	vater Quality I	vieter Used ?	Yes					
Time	DTW	Temp	pН	ORP	Conductivity	Turbidity	DO	TDS
Time	(feet)	(°C)	pri	(mV)	(mS/cm)	(NTU)	(mg/L)	(g/L)
0935	6.15	20.50	8.35	-83	0.592	40.4	3.69	0.379
0940	6.79	1973	8.80	-140	0.590	31.1	2.83	0378
0945	7.05	18.65	9.60	-245	0.598	17.1	1.62	0.382
0950	7.32	18.57	7.84	-287	0.619	10.9	1.38	0.396
0955	7.46	18.77	9.92	-286	0.636	7.2	1.19	0.407
1000	7.40	1912	9.91	-290	0.646	5.4 4.9	1.05	0.413
1005	7.68	19.58	10.00	-271	0.647	4.7	0.94	0.414
								0.413
Sampling Info	ormation:							
40.5								

EPA SW-846 Method 8270 EPA SW-846 Method 8260 EPA SW-846 Method 9012	SVOC PAH's VOC's BTEX Total Cyanide		2 - 1 liter ambers 3 - 40 ml vials 1 - 250 ml plastic	Yes No Yes No Yes No
Sample ID: MW-5R(R)-0720 Sample Time: 1010	Duplicate? MS/MSD?	Yes No Yes No	100.00	ourier Pickup
Comments/Notes:				Pace Analytical Greensburg, PA

Comultan Do	rsonnel: B	1				1		C.	
						Date: 07/19/20 Weather: 73°5, sunny			
Job Number:		136690-221					V		
Well Id.	MW-8R				Time In: o	0920	Time Ou	t: 1010	
	formation								
		-	тос	Other	Well Type		shmount	Stick-Up	
Depth to Wat		(feet) (feet)	3.52 20.92		Well Lock	eo: Point Marked:	Yes	No	
Depth to Pro		(feet)	NP		Well Mate			No ther:	
Length of Wa			17.40		Well Diam			ther:	
Volume of W			2.78		Comment				
Three Well V	olumes:	(gal)	8.34						
			•						
Purging I	nformation								
			_	<u> </u>			Conversion		
Purging Meth		Baile			fos Pump	gal/ft.	1" ID 2" ID	4" ID 6" ID	
Tubing/Bailer		Teflor			yethylene	of			
Sampling Me	and the second se	Baile	r Peristaltic	Grund	fos Pump	water	0.04 0.16		
	ping Rate: 20					1 gali	on=3.785L=3785	mL=1337cu. feet	
Duration of P Total Volume									
		೭ (gal)		id well go dry?	Yes No	X			
Horiba U-52 \	Vater Quality I	Veter Used?	Yes						
Time	DTW	Temp	pН	ORP	Conductivity	Turbidity	DO	TDS	
40.4	(feet)	(°C)		(mV)	(mS/cm)	(NTU)	(mg/L)	(g/L)	
0930	3.56 4.32	21.83	7.12	-63	0.561	0.5	5.90	0.361	
0940	4.68		7.02	- 305	0.578	2.8	3.67	0.368	
0945	4.91	18.03	7.04	- 333 - 341	0.564	3.8	2.39	0.369	
0950	5.28	17.29	7.12	- 349	0.592	8.4	1.72	0.378	
0955	5.70	17.14	7.11	-349	0:590	0.0	1.57	0.378	
1000	6-03	16.84	7.06	-351	0.591	0.0	1.45	0:379	
	6.55							0:34	
								1	
Sampling Inf	ormation:								
EPA SW-84	6 Method 8270	SVOC F	PAH's			6 - 1 liter ambe	ers Yes		
	6 Method 8260	VOC's E				9 - 40 ml vials	s Yes		
	6 Method 9012	Total Cy				3 - 250 ml plas	tic Yes		
MW-8R-I		W-8R-MSD-07				s y par			
Sample ID:	MW-8R-07		have approved to		Shi	pped: Pa	ice Courier Pick	up 🖂 📗	
Sample Time:	1000	MS	MSD?	Yes No			Ship to Pace		
Comments/No	tes:					_aboratory:	Pace Ana	lytical	
							Greensbu	rg, PA	

425

5.60

24.19

Sampling Personnel:	AS			Date:	7/14/20			
Job Number: 06031	23-136690-221			Weather:	79ºF.	partlycle	oudy	
Well Id. MW-9								
Well Information						57		
Denth to Matori	(5 . 1)	TOC	Other	Well Type		shmount	Stick-Up	
Depth to Product:	(feet)			°			No	
Length of Water Colum								
Volume of Water in We	and the second se	0.23		Comments				
Three Well Volumes:	(gal)	0:7						
Purging Information								
Duralize Mathematic		<u> </u>		[_]		Conversion		
Purging Method: Tubing/Bailer Material:	Bailer			fos Pump yethylene	gal/ft.	1" ID 2" ID	4" ID 6" ID	
Sampling Method:	Bailer			fos Pump	of water	0.04 0.16	0.66 1.47	
Average Pumping Rate:						lon=3.785L=3785r		
Duration of Pumping:	30 (min)							
Total Volume Removed	: (gal)	D	id well go dry?	Yes No				
Horiba U-52 Water Qua	lity Meter Used?	Yes						
		1 88 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						
Time DTW	Temp	pН	ORP	Conductivity	Turbidity	DO	TDS	
(feet)	(°C)		(mV)	(mS/cm)	(NTU)	(mg/L)	(g/L)	
1355 5.30		9.59	-301	0-740	119	1.21	0.459	
1400 5.39		8.22	-229	6/1.05	378	1.4Ce	0.670	
1405 5.42		7.47	-251 -278	1.05	174	0.50	0.0.71	
1410 5.30		7.09	-298	1-08	81.4	0.28	0690	
1420 5.55		7.08	- 317	1.06	48.4 41.1	0.29	0.692	

Sampling Information: EPA SW-846 Method 8270 SVOC PAH's 2 - 1 liter ambers Yes No EPA SW-846 Method 8260 VOC's BTEX 3 - 40 ml vials Yes No 1 - 250 ml plastic EPA SW-846 Method 9012 Total Cyanide Yes No MW-9-0720 Duplicate? Shipped: Sample ID: Yes Pace Courier Pickup No No MS/MSD? Yes Sample Time: 430 Ship to Pace Comments/Notes: Laboratory: Pace Analytical

322

1.06

7.09

34.1

0.18

Greensburg, PA

1.677

		4						
Sampling Pe	ersonnel:	A5			Date:	7/14/20	>	
Job Number	: 0603123-1	36690-221			Weather:	-79°F,	vartly do	udy
Well Id.	MW-10R				Time In:	1300	Time Ou	It: 1345
Well In	formation							
	Tormation		тос	Other	Well Type	e. Elu	Ishmount	Stick-Up
Depth to Wa	ter:	(feet)	1.16		Well Lock		Yes	No
Depth to Bot	and the second se	(feet)	22.50		Measuring	Point Marked:	Yes	No
Depth to Pro	the second se	(feet)	NP		Well Mate			ther:
Length of Wa		(feet)	20.19		Well Dian		" 2" 🗙 0	ther:
Three Well V		(gal) (gal)	3.3		Comment	S:		
		(gai)						
		14/41 11/11						
Purging I	nformation							
Purging Meth	iod.	Bailer	Peristaltic		Ifos Pump		Conversion	
Tubing/Bailer		Teflon				gal/ft. of		4 10 6 10
Sampling Me		Bailer			Ifos Pump	water	0.04 0.16	0.66 1.47
	ping Rate: 20	o (ml/min)		<u></u>			on=3.785L=3785	
Duration of P		3Ô (min)						
Total Volume	Removed: 4	7,0 (gal)	D	id well go dry?	Yes No	X		
Horiba U-52 \	Water Quality M	leter Used?	Yes	No				
Time	DTW	Temp	pН	ORP	Conductivity	Turbidity	DO	TDS
1305	(feet) 23)	(°C) 24.76	8.47	(mV)	(mS/cm)	(NTU)	(mg/L)	(g/L)
1310	2.64	22.63	10.28	-373 -390	0.408	160	0.39	0.244
1315	2.98	21.88	10:77	-381	0.514	243	0.50	0.275
1320	3,37	20-48	10.71	-373	0.549	45.2	0.48	0-350
1325	3.55	20.27	10.51	-364	0.574	29.4	0.416	0367
1330	3.75	20-01	10.39	-3.62	0.579	20-7	0.44	0-371
1335	3.90	19.65	10-32	-341	0-570	10.9	0.43	0.345
Sampling Info	ormation:							
FPA SM/-84	6 Method 8270	SVOC P	∆ ⊔'e			0 1 14-		
	6 Method 8260	VOC's B				2 - 1 liter ambe 3 - 40 ml vials	S 635	
	6 Method 9012	Total Cya				1 - 250 ml plasi		
FD-0						pido		
Sample ID:	MW-10R-07			Yes No	Shi	pped: Pa	ce Courier Pick	up 🛛
Sample Time:	1340	MS/	MSD?	Yes No 🗙			Ship to Pace	

Comments/Notes:

Laboratory:	Pace Analytical
	Greensburg, PA

Sampling Personnel: A3			Date:	7/14/2	Ö	
Job Number: 0603123-136690-221			Weather:	.75°F.	synny.	
Well Id. MW-11			Time In:	1120	Time Ou	t: 1205
Well Information						a di sa sana ang sana sa
Depth to Water: (feet) Depth to Bottom: (feet)	TOC 362 6.51	Other	Well Type Well Lock		Ishmount Yes	Stick-Up
Depth to Product: (feet)	NP		Well Mate			No ther:
Length of Water Column: (feet)	2.89		Well Diam	areas and a second s		ther:
Volume of Water in Well: (gal)	0.46		Comment	S:		
Three Well Volumes: (gal)	1.3					
				(<u>v.</u>		
Purging Information						
Tubing/Bailer Material:TelSampling Method:BaAverage Pumping Rate:200 (ml/min)Duration of Pumping:30 (min)	iler Peristaltio	- Pol	fos Pump yethylene fos Pump	gal/ft. of water 1 gal	Conversion 1" ID 2" ID 0.04 0.16 lon=3.785L=3785	0.66 1.47
Total Volume Removed: 10 (gal)		id well go dry?	Yes No	x		
Horiba U-52 Water Quality Meter Used?	Yes	No				
Time DTW Temp (feet) (°C) 1125 2,91 23,53	рН 9.97	ORP (mV) -240	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	8.35	-217 -172	1.17	64.8 977 493	1.10 0.62	0.404
1140 3.73 20.39	6.74	-136	1-26	154	0.65	0.784
1145 3:75 20.09	6.4 Ce	-134	1.26	140	D.64	0.807
1150 3.76 19.50 1155 2.77 9.27	1 6.55	-131	1.27 1.28	113 90.3	0.62	0.810 0.719
Sampling Information:						
EPA SW-846 Method 8260 VOC's	PAH's BTEX Cyanide			2 - 1 liter ambe 3 - 40 ml vials 1 - 250 ml plas	s Yes	
	 International Control Control 	Yes No Yes No No	Shi	pped: Pa	ace Courier Pick Ship to Pace	up
Comments/Notes:				Laboratory:	Pace Ana	alytical

Greensburg, PA

Sampling Personnel: AS Date: 7/14/26 Job Number: 0603123-136690-221 Weather: 72°F, parthy cloudy Well Id. MW-12R Time In: 1210 Time Out: 1255 Well Information ToC Other Well Type: Flushmount Stick-Up Depth to Water: (feet) 10°.32 Well Locked: Yes No Depth to Bottom: (feet) 11/0° Well Narked: Yes No Depth to Product: (feet) 11/0° Well Material: PVC Ss Other: Length of Water Column: (feet) 1.1° Conversion Factors Other: Conversion Factors Volume of Water in Well: (gal) 5.7 Grundfos Pump Rainless St. Polyethylene gal/ft. 1" ID 2" ID 4" ID 6" ID Purging Method: Bailer Peristattic Grundfos Pump Grundfos Pump gal/ft. 1" ID 4" ID 6" ID Sampling Method: Bailer Peristattic Grundfos Pump Grundfos Pump Grundfos Pump Grundfos Pump Grundfos Pump
Well Id. MW-12R Well Information Time In: 1210 Well Information Time In: 1210 Depth to Water: (feet) Depth to Bottom: (feet) Depth to Product: (feet) Length of Water Column: (feet) Volume of Water in Well: (gai) Three Well Volumes: (gai) (gai) 5.7 Purging Information Conversion Factors Purging Method: Bailer Tubing/Bailer Material: Peristatic Sampling Method: Bailer Peristatic Peristatic Grundfos Pump of water 0.04 0.16 0.66
Well Id. MW-12R Time In: 1210 Time Out: 1255 Well Information Time In: 1210 Time Out: 1255 Well Information ToC Other Well Type: Flushmount Stick-Up Depth to Water: (feet) 21.40 Well Locked: Yes No Depth to Product: (feet) 11.0 8 Well Material: PVC Stick-Up No Used to find the field of Water Column: (feet) 11.0 8 Well Material: PVC Stick-Up No Volume of Water in Well: (gal) 1.77 Comments: Other: Other: Comments: Purging Information Stainless St. Stainless St. Grundfos Pump Stainless St. Grundfos Pump gal/ft. 11' ID 2'' ID 4'' ID 6'' ID of user in Ud 4'' ID 6'' ID of Ud 4'' ID 6'' ID of user in Ud 4'' ID 6'' ID of Ud 4'' ID 6'' ID of user in Ud 4'' ID 6'' ID of user in Ud 4'' ID 6'' ID of user in Ud 4'' ID 6'' ID of Ud 4''' ID 6'' ID of Ud 4''' ID 6'' ID of Ud 4''
Well Information TOC Other Well Type: Flushmount Stick-Up Depth to Water: (feet) 21.40 Well Locked: Yes No Depth to Bottom: (feet) 21.40 Measuring Point Marked: Yes No Depth to Product: (feet) //// //// Well Locked: Yes No Length of Water Column: (feet) //// /// /// Well Material: PVC SS Other: Volume of Water in Well: (gal) // // // // // // // // // // // // // // // // // // // // // // // // // // // // // // // // // // // // // // // // // // // // // // // // // // // // // // // // // // //
TOC Other Depth to Water: (feet) 21.40 Depth to Bottom: (feet) 21.40 Depth to Product: (feet) 21.40 Length of Water Column: (feet) 1/.0 % Volume of Water in Well: (gal) 1.17 Three Well Volumes: (gal) 5.7 Purging Information Sampling Method: Bailer Peristattic Grundfos Pump Polyethylene Stainless St. Sampling Method: Grundfos Pump Polyethylene Grundfos Pump Grundfos Pump Polyethylene Grundfos Pump Grundfos Pump Polyethylene Grundfos Pump
Depth to Water: (feet) 0-32 Depth to Bottom: (feet) 21.40 Depth to Product: (feet) 0 Length of Water Column: (feet) 0 Volume of Water in Well: (gal) 1.17 Three Well Volumes: (gal) 5.7 Purging Information Bailer Peristaltic Furging Method: Bailer Peristaltic Sampling Method: Bailer Peristaltic Sampling Method: Bailer Peristaltic
Depth to Bottom: (feet) 21.40 Depth to Product: (feet) 1 0 Length of Water Column: (feet) 1 0 Volume of Water in Well: (gal) 1 1 0 Three Well Volumes: (gal) 5 7 0 0 Purging Information Bailer Peristaltic Grundfos Pump gal/ft. 1 10 0 6" 10 Sampling Method: Bailer Peristaltic Peristaltic Grundfos Pump gal/ft. 1 10 0 6 1.47
Depth to Product: (feet) UP Well Material: PVC SS Other: Length of Water Column: (feet) //.08 Well Material: VC SS Other: 1" 2" Other: 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1" 1"
Length of Water Column: (feet) //.0% Well Diameter: 1" 2" Other: Volume of Water in Well: (gal) /.17 Comments: Comments: Comments: Three Well Volumes: (gal) /.77 Comments: Comments: Conversion Factors Purging Information Bailer Peristaltic Grundfos Pump Grundfos Pump gal/ft. 1" D 1"
Volume of Water in Well: (gal) 7.7 Comments: Three Well Volumes: (gal) 5.3 Comments: Purging Information S.3 Conversion Factors Purging Method: Bailer Peristaltic Stainless St. Grundfos Pump Sampling Method: Bailer Peristaltic Stainless St. Grundfos Pump Sampling Method: Bailer Peristaltic Stainless St. Grundfos Pump
Three Well Volumes: (gal) 5.3 Purging Information
Purging Method: Bailer Peristaltic Grundfos Pump gal/ft. 1" ID 2" ID 4" ID 6" ID Tubing/Bailer Material: Teflon Stainless St. Polyethylene of of 0.16 0.66 1.47
Purging Method: Bailer Peristaltic Grundfos Pump gal/ft. 1" ID 2" ID 4" ID 6" ID Tubing/Bailer Material: Teflon Stainless St. Polyethylene of of 0.16 0.66 1.47
Purging Method: Bailer Peristaltic Grundfos Pump gal/ft. 1" ID 2" ID 4" ID 6" ID Tubing/Bailer Material: Teflon Stainless St. Polyethylene of of 0.16 0.66 1.47
Purging Method: Bailer Peristaltic Grundfos Pump Tubing/Bailer Material: Teflon Stainless St. Polyethylene of a Sampling Method: Bailer Peristaltic Grundfos Pump water 0.04 0.16 0.66 1.47
Tubing/Bailer Material: Teflon Stainless St. Polyethylene of of Sampling Method: Bailer Peristaltic Grundfos Pump water 0.04 0.16 0.66 1.47
Sampling Method: Bailer Peristaltic Grundfos Pump water 0.04 0.16 0.66 1.47
Average Pumping Rate: 200 (ml/min) 1 gallon=3.785L=3785mL=1337cu. feet
Duration of Pumping: 30 (min)
Total Volume Removed: 2_0 (gal) Did well go dry? Yes No >
Horiba U-52 Water Quality Meter Used? Yes No
Time DTW Temp pH ORP Conductivity Turbidity DO TDS
(feet) (°C) (mV) (mS/cm) (NTU) (mg/L) (g/L) 121.5 10.86 22.30 (-78 -173 0.979 111 0.67 0.647
1215 10.86 22:30 6-78 -173 0-979 111 0-67 0.647 1220 11.19 2634 7.30 -257 0.533 597 0.60 0351
125 11.79 21-31 7.50 -311 0.434 540 0.33 0.284
1230 12.22 2596 7.59 -332 1.408 262 028 6214
1235 12.55 25.81 7.62 -341 0.402 149 030 0241
1240 1289 25.75 7.65 - 351 0.403 83.0 0.31 0.262
1245 13.20 25.97 7.64 -357 0401 58.5 0.32 0.241
Sampling Information:
EPA SW-846 Method 8270 SVOC PAH's 2 - 1 liter ambers Yes No

1 - 250 ml plastic

Yes No

Shipped:

Pace Courier Pickup Ship to Pace

Comments/Notes:

Sample ID:

Sample Time:

EPA SW-846 Method 9012

MW-12R-0720

1250

Total Cyanide

Duplicate?

MS/MSD?

Yes

Yes

No No

Laboratory:

Pace Analytical Greensburg, PA

Sampling Pe	rsonnel: BA	5			Date:07	-114120		
Job Number:		136690-221				:750=, SHA	2.42	
Well Id.	MW-14R					,		
weiriù.	WW-14R				Time In:	1055	Time Ou	t: 1135
Well Int	formation						a de la companya de	
			тос	Other	Well Type		shmount	Stick-Up
Depth to Wat	ter:	(feet)	2.47		Well Lock		Yes	No
Depth to Bott		(feet)	50.80			Point Marked:	Yes	No
Depth to Proc		(feet)	NP		Well Mate			ther:
Length of Wa		(feet)	48.33		Well Dian			ther:
Volume of W	ater in Well:	(gal)	7.8		Comment			
Three Well V	olumes:	(gal)	2304					
Purging I	nformation			50 - C10				
							Conversion	Factors
Purging Meth	od:	Bailer	Peristaltio	Grund	Ifos Pump	gal/ft.	1" ID 2" ID	
Tubing/Bailer	Material:	Teflon	Stainless St	Pol	lyethylene	of		
Sampling Met	thod:	Bailer	Peristaltic		lfos Pump	water	0.04 0.16	0.66 1.47
Average Pum	ping Rate: 20	ාංා (ml/min)				1 gall	on=3.785L=3785	mL=1337cu. feet
Duration of P	umping: 30	🤊 (min)						
Total Volume	Removed: "	Z (gal)	C	id well go dry?	Yes No			
Horiba 11-52 V	Water Quality N					ý de la construction de la construcción de la const		
			Tes					
Time	DTW	Temp	nU	ORP	Conductivity	T. under indited		
Time	(feet)	(°C)	pН	(mV)	Conductivity (mS/cm)	Turbidity	DO	TDS
1100	23-2.65	22.32	7.33	~ 282	0.480	(NTU)	(mg/L)	(g/L)
1100								
			Contraction of the local division of the loc	1				0.309
1105	2.78	22.23	7.30	- 304	0.471	0.2	0.99	0.306
1105 1110	2.78	22.23 21.85	7.30 7.28	- 304 - 311	0.471 0.469	0.0	0.99	0.306
1105 1110 1115	2 78 2 36 2 92	22.23 21.85 21.48	7.30 7.28 7.25	- 304 - 311 - 316	0.471 0.469 0.469	0.0	0.99	0.306
1105 1110 1115 11120	2.78 2.96 2.92 2.94	22.23 21.85 21.48 21.36	7.30 7.28 7.25 7.25 7.24	- 304 - 311 - 316 - 317	0.471 0.469 0.469 0.467	0.0 0.0 0.0	0.99 0.93 0.89 0.89	0.306 0.305 0.304 0.304
1105 1110 1115 11120 1125	2.78 2.36 2.92 2.94 2.94 2.95	22.23 21.95 21.95 21.98 21.36 20.01	7.30 7.28 7.28 7.25 7.24 7.24	- 304 - 311 - 316 - 317 - 317	0.471 0.469 0.469 0.467 0.478	0.0 0.0 0.0	0.99 0.93 0.89 0.89 0.69	0.306 0.304 0.304 0.505 0.309
1105 1110 1115 11120	2.78 2.96 2.92 2.94	22.23 21.85 21.48 21.36	7.30 7.28 7.25 7.25 7.24	- 304 - 311 - 316 - 317	0.471 0.469 0.469 0.467	0.0 0.0 0.0	0.99 0.93 0.89 0.89	0.306 0.305 0.304 0.304
1105 1110 1115 11120 1125	2.78 2.36 2.92 2.94 2.94 2.95	22.23 21.95 21.95 21.98 21.36 20.01	7.30 7.28 7.28 7.25 7.24 7.24	- 304 - 311 - 316 - 317 - 317	0.471 0.469 0.469 0.467 0.478	0.0 0.0 0.0	0.99 0.93 0.89 0.89 0.69	0.306 0.304 0.304 0.505 0.309
1105 1110 1115 11120 1125	2.78 2.36 2.92 2.94 2.94 2.95	22.23 21.95 21.95 21.98 21.36 20.01	7.30 7.28 7.28 7.25 7.24 7.24	- 304 - 311 - 316 - 317 - 317	0.471 0.469 0.469 0.467 0.478	0.0 0.0 0.0	0.99 0.93 0.89 0.89 0.69	0.306 0.304 0.304 0.505 0.309
1105 1110 1115 11120 1125	2.78 2.36 2.92 2.94 2.94 2.95	22.23 21.95 21.95 21.98 21.36 20.01	7.30 7.28 7.28 7.25 7.24 7.24	- 304 - 311 - 316 - 317 - 317	0.471 0.469 0.469 0.467 0.478	0.0 0.0 0.0	0.99 0.93 0.89 0.89 0.69	0.306 0.304 0.304 0.505 0.309
1105 1110 1115 11120 1125	2.78 2.36 2.92 2.94 2.94 2.95	22.23 21.95 21.95 21.98 21.36 20.01	7.30 7.28 7.28 7.25 7.24 7.24	- 304 - 311 - 316 - 317 - 317	0.471 0.469 0.469 0.467 0.478	0.0 0.0 0.0	0.99 0.93 0.89 0.89 0.69	0.306 0.304 0.304 0.505 0.309
1105 1110 1115 11120 11120 11125 1130	2.78 2.36 2.92 2.94 2.95 2.97	22.23 21.95 21.95 21.98 21.36 20.01	7.30 7.28 7.28 7.25 7.24 7.24	- 304 - 311 - 316 - 317 - 317	0.471 0.469 0.469 0.467 0.478	0.0 0.0 0.0	0.99 0.93 0.89 0.89 0.69	0.306 0.304 0.304 0.505 0.309
1105 1110 1115 11120 1125	2.78 2.36 2.92 2.94 2.95 2.97	22.23 21.95 21.95 21.98 21.36 20.01	7.30 7.28 7.28 7.25 7.24 7.24	- 304 - 311 - 316 - 317 - 317	0.471 0.469 0.469 0.467 0.478	0.0 0.0 0.0	0.99 0.93 0.89 0.89 0.69	0.306 0.304 0.304 0.505 0.309
1105 1110 1115 11120 11120 11125 11130 Sampling Infe	2.78 2.36 2.92 2.94 2.95 2.97	22.23 21.95 21.95 21.36 20.01 20.38	7.30 7.28 7.25 7.24 7.24 7.21 7.28	- 304 - 311 - 316 - 317 - 317	0.471 0.469 0.469 0.467 0.478	0.0 0.0 0.0 0.0	0.99 0.93 0.89 0.89 0.89 0.87	0.306 0.304 0.304 0.505 0.309 0.309
1105 1110 1115 1120 1125 1130 Sampling Info	2.75 2.94 2.95 2.97 2.97 0rmation: 6 Method 8270	22.23 21.95 21.95 21.36 20.01 20.93	7.30 7.28 7.25 7.24 7.24 7.21 7.28	- 304 - 311 - 316 - 317 - 317	0.471 0.469 0.469 0.467 0.478	0 లె. లె.లె లె.లె లె.లె లె.లె లె.లె 2 - 1 liter ambe	0.99 0.93 0.89 0.69 0.69 0.69 0.87	0.306 0.304 0.304 0.304 0.309 0.309 0.309 0.305
1105 1110 1115 1120 1125 1130 Sampling Infe EPA SW-84 EPA SW-84	2.78 2.94 2.95 2.97 2.97 0rmation: 6 Method 8270 6 Method 8260	22.23 21.95 21.36 20.01 20.53	7.30 7.28 7.25 7.24 7.24 7.21 7.28	- 304 - 311 - 316 - 317 - 317	0.471 0.469 0.469 0.467 0.478	2 - 1 liter ambe 3 - 40 ml vials	0.99 0.93 0.99 0.99 0.99 0.97 0.97	0.306 0.304 0.304 0.304 0.309 0.309 0.309 0.305
1105 1110 1115 1120 1125 1130 Sampling Infe EPA SW-84 EPA SW-84	2.75 2.94 2.95 2.97 2.97 0rmation: 6 Method 8270	22.23 21.95 21.95 21.36 20.01 20.93	7.30 7.28 7.25 7.24 7.24 7.21 7.28	- 304 - 311 - 316 - 317 - 317	0.471 0.469 0.469 0.467 0.478	0 లె. లె.లె లె.లె లె.లె లె.లె లె.లె 2 - 1 liter ambe	0.99 0.93 0.99 0.99 0.99 0.97 0.97	0.306 0.304 0.304 0.304 0.309 0.309 0.309 0.305
1105 1110 1115 1120 1125 1130 Sampling Info EPA SW-84 EPA SW-84 EPA SW-84	2.75 2.36 2.92 2.94 2.95 2.97 2.97 6 Method 8270 6 Method 8270 6 Method 8260 6 Method 9012	22.23 21.95 21.36 20.01 20.38 SVOC P VOC's B Total Cya	7.30 7.28 7.25 7.24 7.24 7.23 7.23 AH's TEX inide	- 304 - 311 - 316 - 317 - 317 - 322	0.471 0.469 0.469 0.467 0.478 0.478 0.478	2 - 1 liter ambe 3 - 40 ml vials 1 - 250 ml plas	0.99 0.93 0.89 0.89 0.61 0.87 0.87	0.306 0.304 0.304 0.304 0.309 0.309 0.309 0.309 0.305
1105 1110 1115 1120 1125 1130 Sampling Info EPA SW-84 EPA SW-84 EPA SW-84 Sample ID:	2.75 2.94 2.94 2.95 2.97 2.97 6 Method 8270 6 Method 8270 6 Method 8260 6 Method 9012 MW-14R-07	22.23 21.35 21.36 20.01 20.63 20.63 SVOC P VOC's B Total Cya	7.30 7.28 7.25 7.24 7.24 7.24 7.28 AH's TEX inide	- 304 - 311 - 316 - 317 - 317 - 322	0.471 0.469 0.469 0.467 0.478 0.478 0.478	<u> </u>	o 99 o 99 o 99 o 99 o 99 o 99 o 99 o 99	0.306 0.304 0.304 0.304 0.309 0.309 0.309 0.309 0.305
1105 1110 1115 1120 1125 1130 Sampling Info EPA SW-84 EPA SW-84 EPA SW-84	2.75 2.94 2.94 2.95 2.97 2.97 6 Method 8270 6 Method 8270 6 Method 8260 6 Method 9012 MW-14R-07 1130	22.23 21.35 21.36 20.01 20.63 20.63 SVOC P VOC's B Total Cya	7.30 7.28 7.25 7.24 7.24 7.24 7.28 AH's TEX inide	- 304 - 311 - 316 - 317 - 317 - 322	0.471 0.469 0.469 0.467 0.478 0.478 0.478	2 - 1 liter ambe 3 - 40 ml vials 1 - 250 ml plas	0.99 0.93 0.89 0.89 0.61 0.87 0.87	0.306 0.304 0.304 0.304 0.309 0.309 0.309 0.309 0.305

Greensburg, PA

Sampling Pe	rsonnel: B	A		V. A. A.	Date 0	7/14/20			
Job Number:	10	136690-221				Weather: SO C.F., Summy			
		100000-221				,	(1.250	
Well Id.	MW-15				Time In:	1310	l ime Out	: 1350	
Well In	formation		TOO	Other	\A/			~~~~	
Depth to Wa	tor	(feet)	TOC %=ZZ	Other	Well Type Well Lock		shmount Yes	Stick-Up	
Depth to Bott	and a realize statistics	(feet) (feet)	9.04			eu. Point Marked:	Yes	No No	
Depth to Pro		(feet)	NP		Well Mate			her:	
Length of Wa		(feet)	0.82		Well Diam			her:	
Volume of W		(gal)	0013		Comments	5:			
Three Well V	/olumes:	(gal)	0.39		Low We	Tur, sample	d early		
						, ,	d		
Purging	Information								
			_	N			Conversion I		
Purging Meth		Baile	er Peristalt		dfos Pump	gal/ft.	1" ID 2" ID	4" ID 6" ID	
Tubing/Bailer		Teflo			olyethylene	of			
Sampling Me		Baile	er Peristalti	ic Grun	dfos Pump	water	0.04 0.16		
	nping Rate: 120					1 gal	lon=3.785L=3785r	nL=1337cu. feet	
Duration of P	Removed: 0,			Did well go dry	? Yes No	X			
Horiba U-52	Water Quality N	leter Used?	Ye	s No					
							-	44 12	
Time	DTW	Temp	pН	ORP	Conductivity	Turbidity	DO	TDS	
1.000	(feet)	(°C)		(mV)	(mS/cm)	(NTU)	(mg/L)	(g/L)	
1315	8028	26.92	6.56	-92	0.685	0.0	2019	0.443	
1320	8.32	26.80	6.49	-102	0.721	1000	1.42	0.476	
1325	8,39	26.46	6.40	-118	0.763	998 635	0.86	0.490	
1335	8:50	24.91	6.36	-127	0.810	960	0.82	0.519	
1340	8.54	24,69	6.35	-131	0.921	1000	1.03	0.525	
-1010		61,01	0.00	131	0,00	10 00	1000		
Sampling In	formation:								
EPA SW-8	46 Method 8270	SVOC	PAH's			2 - 1 liter ambe	ers Yes	No	
EPA SW-8	846 Method 8260	VOC's	BTEX			3 - 40 ml vial:	s Yes		
EPA SW-8	846 Method 9012	Total Cy	vanide			1 - 250 ml plas	tic Yes		
					2				
Sample ID:	MW-15-07		plicate?	Yes No	Sh	ipped: Pa	ace Courier Pick	up 🔀 🛛	
Sample Time:	1340	MS	S/MSD?	Yes No			Ship to Pace		

Comments/Notes:

Pace Analytical Greensburg, PA

Laboratory:

Sampling Pe	rsonnel: 31	4			Date:	07/14/20			
Job Number:	0603123-	136690-221			Weat	Weather: 750F, wereast			
Well Id.	MW-15RS				Time	In: 1350	Time Ou	t: 1430	
Well Int	formation	_							
			ТОС	Other	Well 7	Type: Flu	ishmount	Stick-Up	
Depth to Wat		(feet)	7.33		Well	_ocked:	Yes	No	
Depth to Bott	and the second se	(feet)	23.65			iring Point Marked:	Yes	No	
Depth to Proc		(feet)	NP					ther:	
Length of Wa	the second se		6.32			Diameter: 1	" 2" 0	ther:	
Three Well V			0.65		Com	to to small to	" 1 P	11.	
	olumes.	(gal)	1.95		J'ian	Harensty.	E PRODICI	weing	
					310114	Hallenty			
Purging l	nformation								
	inormation	-					Conversion	Factors	
Purging Meth	od:	Baile	Peristali	ic Grun	dfos Pump	gal/ft.	1" ID 2" ID		
Tubing/Bailer		Teflor				of			
Sampling Met		Bailer			dfos Pump	water	0.04 0.16	0.66 1.47	
Average Pum	ping Rate: 12	o (ml/min)			- Income	1 gal	on=3.785L=3785		
Duration of P		(min)							
Total Volume	Removed: 1	ාර (gal)		Did well go dry	? Yes	No			
Horiba U-52 V	Vater Quality I	Meter Used?	Ye	s No					
Time	DTW	Temp	рН	ORP	Conducti	vity Turbidity	DO	TDS 1	
	(feet)	(°C)		(mV)	(mS/cm		(mg/L)	(g/L)	
1355		23.42	6.74	-330	0.719	2501	1.19	0.461	
1400	•	23,10	6.69	-321	0.70		1.12	0.454	
1405		22.96	6.67	-301	0.694		1017	0.443	
1410		22.72	6.66	-296	0.631	19.1	1.25	0.436	
1415		22.19	6.60	-295	0.74	and the second se	1.18	0.489	
1420		21.16	6.63	-311	0.82	the second se	0.91	0.521	
1765		61116	6.70	-320	0.387	10.5	0.76	0.569	
				+				┼────┤║	
				1					
								<u> </u>	
Sampling Info	ormation:					К			
EPA SW-84	6 Method 8270	SVOC F	PAH's			2 - 1 liter ambe	ers Yes		
EPA SW-84	6 Method 8260	VOC's E	BTEX			3 - 40 ml vials			
EPA SW-84	6 Method 9012	Total Cya	anide			1 - 250 ml plas			
	1. (1776) 1. (17				7				
Sample ID:	MW-15RS-0		olicate?	Yes No		Shipped: Pa	ce Courier Pick	up 🔀	
Sample Time:	1425	MS	/MSD?	Yes No			Ship to Pace		
Comments/No	tes:					Laboratory:	Pace Ana	alytical	
						3	Greensbu		
								0,	

Sampling Personnel: B	A	and the second s		Date: 07	114 120		
					/		
	136690-221			Weather:	,	nny	
Well Id. MW-17R				Time In:	1010	Time Out	1050

Well Information	-						
		TOC	Other	Well Type		shmount	Stick-Up
Depth to Water:	(feet)	7.48		Well Lock		Yes	No
Depth to Bottom:	(feet)	26.90		Weasuring Well Mate	Point Marked:		No
Depth to Product:	(feet)	NF 9.42		Well Diam			ther:
Length of Water Column: Volume of Water in Well:		301		Comment			.ner:
Three Well Volumes:		9.3		Comment	5.		
	(gal)	102					
Durging Information						1	
Purging Information	•					Conversion	Fastara
Durain a Mathadi						Conversion 1" ID 2" ID	
Purging Method:	Baile			fos Pump	gal/ft.		
Tubing/Bailer Material: Sampling Method:	Teflor Baile			yethylene	of water	0.04 0.16	0.66 1.47
Average Pumping Rate: 20		r Peristaltic	Grund			on=3.785L=3785	
And and a second state of the second state of	(mi/min)				_ i gaii	011-3.765L-3765I	IIL-1337cu. leet
Total Volume Removed:	² (gal)	D	id well go dry?	Yes No			
Horiba U-52 Water Quality	Aeter Used?	Yes	No				
Time DTW	Temp	pН	ORP	Conductivity	Turbidity	DO	TDS
(feet)	(°C)	- A154	(mV)	(mS/cm)	(NTU)	(mg/L)	(g/L)
1015 7.67	19.62	7.47	-298	0.819	18.3	1.89	0.525
1020 8.05	16.45	7.09	-291	0.862	8.7	1.60	0.552
1025 8.111	15.87	6.92	-276	0.870	2.6	1.37	0.556
1030 8.76	16.08	6.86	~ 273	0.866	0.6	1.30	0.554
1035 9.01	16.04	6-84	-273	0.865	0.0	1.26	0.553
	15.86	6.80	-271	0.866	0.0	1.18	0.555
1045 9.39	13: 71	6.78	2.70	0.865	010	16/0	00000
لير ويستعد من المتحد مع معام والم				I			
Sampling Information:							
Sampling mormation.							
EDA CW/ 846 Method 0070					0 1 liter embr	No.	
EPA SW-846 Method 8270	SVOC F				2 - 1 liter ambe 3 - 40 ml vial		
EPA SW-846 Method 8260	VOC's E						
EPA SW-846 Method 9012	Total Cy	annue			1 - 250 ml plas	tic Yes	
Sample ID: MW-17R-0	720	plicate?	Yes No X	Chi	pped: Pa	ace Courier Pick	
		• • • • • • • • • • • • • • • • • • •	Yes No	511	ррец. га	Ship to Pace	
Sample Time: 1044 C						Ship to r uou	
Sample Time: 1045]			
Sample Time: <u>1045</u> Comments/Notes:					Laboratory:	Pace Ana Greensbu	S

Sampling Pe	rsonnel: EL	r			Date: 0	7/14/20		
Job Number:		136690-221		5		80 "F , SUAN	4	
Well Id.	MW-19R						5	+ 12.6
wennu.	IVIVY-15IX				Time In:	1223	Time Ou	it: 1305
Well Inf	ormation				<u> </u>	518.0 Art		
		-	тос	Other	Well Type	e: Flu	ishmount 🔀	Stick-Up
Depth to Wat	er:	(feet)	6.34		Well Lock		Yes	No
Depth to Bott		(feet)	38.05			Point Marked:	Yes	No
Depth to Proc		(feet)	NP		Well Mate)ther:
Length of Wa	iter Column:	(feet)	2.31.71		Well Dian			other:
Volume of Wa	ater in Well:	(gal)	5.1		Comment	s:		
Three Well V	olumes:	(gal)	15.3					
			-	11 to 10				
Purging In	nformation							
				5-2			Conversion	
Purging Meth		Bailer			dfos Pump	gal/ft.	1" ID 2" IE	0 4" ID 6" ID
Tubing/Bailer	A REAL PROPERTY AND A REAL	Teflor			olyethylene	of		
Sampling Met		Bailer	Peristaltio	c Grund	dfos Pump	water		
been stated as a second state of the second st	ping Rate: 20	the second s				1 gal	lon=3.785L=3785	mL=1337cu. feet
Duration of Pu		`						
Total Volume	Removed: 2	2 (gal)	C)id well go dry'	? Yes No	M		
Horiba U-52 V	Vater Quality N	/leter Used?	Yes					
								J
Time	DTW	Temp	рН	ORP	Conductivity	Turbidity	DO	TDS
	(feet)	(°C)		(mV)	(mS/cm)	(NTU)	(mg/L)	(g/L)
1230	6.46	22-96	7.33	-230	0-3:70	14.8	1.43	0.234
1235	7.32	23.2G	7.32	-241	0.263	6.6	0.83	0.171
1.540	8.01	22.25	7.28	-243	0-270	702	0.81	0-176
1245	8.77	21,88	7.27	-243	0.273	4.1	0.79	0.178
12.50	9.52	21.74	7.26	-243	0.275	2.1	0.77	0.179
1255	10.29	21.04	7.25	-243	0.282	9.8	0.79	0.183
13000	10.98	21.68	7.23	-242	0.281	4.0	0.77	0.182
		11 						<u> </u>
<u> </u>								
		in and the second s					-]
Sampling Info	ormation:							
	6 Method 8270	SVOC P				2 - 1 liter ambe		
	6 Method 8260	VOC's B				3 - 40 ml vial		
EPA SW-84	6 Method 9012	Total Cya	anide			1 - 250 ml plas	stic Yes	
Sample ID:	MW-19R-07	7 20 Dur	olicate?	Yes No X	1 Shi	pped: Pa	ace Courier Pick	
Sample Time:	1300			Yes No		ppou. re	Ship to Pace	
]			
Comments/No	tes:					Laboratory:	Pace An	alvtical

Pace Analyti	cal
Greensburg,	PA

Sampling Pe	rsonnel: BN	4			Date: 237	114/20		
Job Number:						mans		
-		136690-221				sunny		
Well Id.	MW-20R				Time In:	1140	Time Out	1220
	· · · · ·							
Well In	formation	-	700					
			TOC	Other	Well Type			Stick-Up
Depth to Wa		(feet)			Well Lock		Yes	No
Depth to Both		(feet)	28.40 NP		Weasuring Well Mate	Point Marked:		No
Length of Wa		(feet)	27.02	-	Well Dian			her:
Volume of W			4.3		Comment			her:
Three Well V		and the second se	1:2.9		Conjinent	5.	*	1.00
	olumes.	(gai)	12			- Shitt		
[L			2	an and the second s		A Providence		
Purging I	nformation	× *						i.
- Turging I	normation	-					Conversion I	Factors
Purging Meth	od.	Bailer	Peristalti	Crund	fos Pump	1/0	1" ID 2" ID	4" ID 6" ID
Tubing/Bailer		Teflon			vethylene	gal/ft.		
Sampling Me		Bailer			os Pump	water	0.04 0.16	0.66 1.47
Average Pur		(ml/min)					lon=3.785L=3785r	
Duration of P		(min)					011-0.7002-07001	
Total Volume		(gal)	C	Did well go dry?	Yes No	\mathbf{X}		
) 						4-1		
Horiba U-52 V	Vater Quality I	vieter Used?	Yes					
	DTW							
Time	DTW	Temp	pН	ORP	Conductivity	Turbidity .	DO	TDS
	(feet)	(°C)	- 11	(mV) - 252	(mS/cm) 0. 494	(NTU)	(mg/L)	(g/L) 0.321
1145	1.93	24.75	7.40	-252	0.494	7.2	1.72	0.318
1155	2.60	22.64	7.19	-254	0,496	6.0	0.84	
1200100	3,38	ZZ.83	7.17	- 255	0.498	7.2	0.82	0.322
1205	4.02	23.19	7.16	-255		5.1	0.83	0.323
1210	4.69	23.35	7.15	-255	0.495	4.0	0.93	0.322
1215	5.12	22.98	7.14	-254	0.496	3.3	0.83	0.321
		44		611 7				521
1.48				2 L 2		đ		1
	est.			1 de		7		
	198							
		2						
Sampling Inf	ormation:		10 - A					
EPA SW-84	6 Method 8270	SVOC P	AH's			2 - 1 liter ambe	ers Yes	
EPA SW-84	16 Method 8260	VOC's B	TEX			3 - 40 ml vial		
	16 Method 9012					1 - 250 ml plas		
Sample ID:	MW-20R-0	720 Dup	olicate?	Yes No 🗙	Sh	ipped: Pa	ace Courier Pick	up 🛛
Sample Time:	1215			Yes No X			Ship to Pace	
Comments/No						Laboratorir		
COULDERIS/INC	105.					Laboratory:	Pace Ana	aryucar
000000	Name of Concession, Name						Greensbu	



CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Section Required Client Information: Required	on B ired Project Information:		ction C pice Information:																Page:	1 of	1
Company: GES - Syracuse Report	t To: Devin Shay (GES)		ntion: Accounts Payable via en	ail at ges-invoice	es@geson	line.com					201				1000			Contraction of			and the second
Address: 5 Technology Place, Suite 4 Report	@gesonline.com t To: Tim Beaumont (GES)	Com	npany Name: Groundwater & E	nvironmental Ser	vices, Inc.					_		NPDE		Can	OUND				AGENC		
East Syracuse, New York 13057	mont@gesonline.com	Add	ress: 5 Technology Place, Suite	4, East Syracuse	e, NY 1305	57		_								WAI			KING WA	ER	
Email To: dshay@gesonline.com Purcha	ase Order No.:	Pac	e Quote Reference:			_				_	13	UST	100 400	RCI	RA	-		Глн	ER	— Г"	f**
	st Name: National Grid - Ogdensbu Street Ogdensburg, NY	rg Pac	e Project Manager: Rachel Chris	stner								LOCAT		IIE						T THER	S
Requested Due Date/TAT: Standard Project	23-136690-221-1106	Pac	e Profile #:	Semi-An	nual G	ws		- 57	1.1		- 63	Itered (Y)			1999 (A.	¹		17	11	777	
Section D Valid Mal	atrix Codes		COLLECTED			-											-		///	'///	\square
Section D Required Client Information SAMPLE ID Gene Character per box. (A-Z, 0-9 /) Samples IDs MUST BE UNIQUE	Matrix Coor	SAMPLE TYPE G+GRAB C=COMP	POSITE START QRAN		SAMPLE TEMP AT COLLECTION	#OF CONTAINERS	pevres	Presen		Methanol	_	əquested nalysis:		0100, 1000	20 10-10-10-10-10-10-10-10-10-10-10-10-10-1	100 ET				Pa	ce Project
		C	DATE TIME DATE	TIME			H ₂ SO ₄		NaO	Meth	Othe		10	2/075	3	[]	1	11	1		Number Lab I.D.
1 MW-2(R)-0720	WT	G	7/14/2	01100		7	2		1				3	2	1						
2 MW-5R(R)-0720	WT	G	v	1010		7	2	~	1	$ \rightarrow $			3	2	1		_				
3 MW-8R-0720	WT	G		1000	_	7	2 4		1				3	2	1		_				
4 MW-8R-MS-0720	WT	1100		1000		7	2 0		1	+			3	2	1		-				
5 <u>MW-8R-MSD-0720</u>	WT	G		1000		7	2 4		1	+			3	2	1						
666	WT	G		1430	_	7	2 2		1	\rightarrow	+		3	2	1						
7 MW-10R-0720	WT	G		1340	_	7	2 4	-	1				3	2	1						
8 MW-11-0720	WT	G		1200		7	2 0	3	1				3	2	1						_
9 MW-12R-0720	WT	G		1250		7	2 2	7	1				3	2	1						
10 MW-14R-0720	WT	G		1130	_	7	2 9		1				3	2	1						
11 MW-15-0720	WT	G		1340		7	2	4 3	1				3	2	1						
12 MW-15RS-0720	WT	G		1425		7	2	3	1				3	2	1						
13 MW-17R-0720	WT	G		1045		7	2 4	3	1				3	2	1						
14 MW-19R-0720	WT	G		1300		7	2	1 3	1				3	2	1 .						
15 MW-20R-0720	wt	G		1215		7	2 9	1, 3	1				3	2	1						
16 FD-0720	WT	G	J			7	2 2	-	1			_	3	2	1						
17 Trip Blanks	WT	The second second				2	1	3					3								
Additional Comments:	All of the second s		D BY / AFFILIATION				ED BY / A							DA	TE	TIN	۸E	SAMI	LE CO	NDITION	s
SAMPLES WILL ARRIVE IN #	COOLERS.	ein	Gen GEZ	2/14/20 1	800	Co.	ES	F	rid	g.c	-			7/14	120	180	ΰ		YIN	X/N	X.N
		1	/		_									1-1					N'X	λĩN	XIN
Please send reports to: dshay@gesonline.com, tbeaun	mont@gesonline.com																		ΝΊλ	Νίλ	X/N
NERegion@gesonline.com, ges@equisonline.com			Property and a second			-													N/X	N/X	N.X.
SPECIFIC EDD NAME:			SAMPLER NAME AND PRINT Name of SAMPLER:	SIGNATURE		160						No.						o in °C	teived on Ice	stody I Cooler	es Intact
NGOgdensburg-labnumber.28351.EQEDD.zip			SIGNATURE of SAMPLER:						DATE S	igned (MM	M/DD/	YY)						Temp in '	Recei	Custo Sealed (Samples Intact

Sampling Personnel:	Date: 10/1/20
Job Number: 0603200-136690-221	Weather: Same 70
Well Id. MW-2(R)	Time In: $\int 3^2 4^2 $ Time Out: $\int 4^2 6^2 4^2 $
Well Information	· · · · · · · · · · · · · · · · · · ·
TOC Other	Well Type: Flushmount Stick-Up
Depth to Water: (feet) 3 92	Well Locked: Yes No
Depth to Bottom: (feet) 6.35	Measuring Point Marked: Yes No
Depth to Product: (feet)	Well Material: PVC SS Other:
Length of Water Column: (feet)	Well Diameter: 1" 2" Other:
Volume of Water in Well: (gal) 0-36	Comments:
Three Well Volumes: (gal)	
Purging Information	
	Conversion Factors
Purging Method: Bailer Peristaltic Grundfos	
Sampling Method: Bailer Peristaltic Grundfos	
Average Pumping Rate: (ml/min) 200	1 gallon=3.785L=3785mL=1337cu. feet
Duration of Pumping: (min) 30	
Total Volume Removed: (gal) 2 Did well go dry?	
Horiba U-52 Water Quality Meter Used? Yes No	U
Time DTW Temp pH ORP (Conductivity Turbidity DO TDS
(feet) (°C) (mV)	(mS/cm) (NTU) (mg/L) (g/L)
13:45 5.25 17.18 7.04 -330	0.780 40.5 0.79 0.493
	0-703 27.4 4.62 0-450
13:55 5.98 1697 8.55 -369	0.673 23.3 4.64 0.427
19:00	
14:05 MANDE FACUT	JOINTO DEL
14:15	· · · · · · · · · · · · · · · · · · ·
h <u>himmen an an</u>	
Complian Information	
Sampling Information:	
EPA SW-846 Method 8270 SVOC PAH's	2 - 100 ml ambers Yes No
EPA SW-846 Method 8270 SVOC PAR'S EPA SW-846 Method 8260 VOC'S BTEX	3 - 40 ml vials Yes No
EPA SW-846 Method 9012 Total Cyanide	1 - 250 ml plastic Yes No
EFA SVV-040 Method 9012 Total Cyanide	
Sample ID: MW-2(R)-1020 Duplicate? Yes No	Shipped: Pace Courier Pickup
Sample Time: 13.55 MS/MSD? Yes No	Ship to Pace
Comments/Notes:	Laboratory: Pace Analytical
	Greensburg, PA

				· · · · · · · · · · · · · · · · · · ·		110	····=·	
Sampling Pers	sonnel:	V (34		<u> </u>	Date:	p w		
Job Number:	0603200-1	36690-221			Weather:	5mil 7	2	
Well Id.	MW-5R(R)				Time In: 1	1:00	Time Out:	14:45
	· · · · · · · · · · · · · · · · · · ·							
Well Info	ormation							
			TOC	Other	Well Type:	Flus	hmount 🔀 🛛 S	Stick-Up
Depth to Wate	er:	(feet) Z	.75	<u> </u>	Well Locke		Yes	No
Depth to Botto		(feet)	24.30		Measuring P		Yes	No
Depth to Prod		(feet)	.35		Well Materi			
Length of Wat		(feet) 21	-44		Well Diame Comments		2" 🔀 Oth	er:
Three Well Vo		(gal) 2 (gal) 10			Commenta.			
	numes.		///]				······
	<u></u>		au t					
Purging Ir	formation		· · ·				<u> </u>	
							Conversion F	actors
Purging Metho	od:	Bailer	Peristaltic	Grundf	os Pump	gal/ft.	1" ID 2" ID	4" ID 6" ID
Tubing/Bailer		Teflon	Stainless St.	Poly	rethylene	of		
Sampling Met	hod:	Bailer	Peristaltic	Grundf	os Pump	water	0.04 0.16	0.66 1.47
Average Pum		(ml/min)	7w_ 1			1 gall	on=3.785L=3785m	L=1337cu. feet
Duration of Pu		(min)	<u> </u>		r			
Total Volume	Removed:	(gal)		id well go dry?	YesNo	Д		
Horiba U-52 V	Vater Quality N	leter Used?	Yes			V		
1	<u>.</u>							- ini
Time	DTW	Temp	рН	ORP	Conductivity	Turbidity	DO	TDS
	(feet)	(°C)		(mV)	(mS/cm)	(NTU)	(mg/L)	(g/L)
14:05	4.29	16.70	9.48	-412	0,903	49.5	0.86	0.581
14:10	5.71	16.18	9.55	-416	0.933	34.7	0.73	0.598
(4:15	6.57	16.38	9.62	-421	0,923	23.5	0.67	0,590
14:20	(1)	15,85	9.76	-430	0.884	22.8	0.64	0.565
14:25	6.87	15,50	9.97	-438	0.826	20,0	0,69	0.52
17,50	8.17	15.34	10:05	-992	0.777	11.8	0.68	0.496 0.470
14:35	Selv	IS.B.	10.05	-441	0.121	11,0	0.11	
 	<u> </u>							
La <u>n</u>	<u> </u>	<u></u>						
Sampling In	formation:							
EPA SW-8	46 Method 8270	SVOC P	AH's			2 - 100 ml ami	bers Yes	
EPA SW-8	46 Method 8260	VOC's B	TEX			3 - 40 ml via	ls Yes	
EPA SW-8	46 Method 9012	? Total Cya	nide			1 - 250 ml pla	stic Yes	
1					a			
Sample ID:	MW-5R(R)		olicate?	Yes No	Sł	nipped: F	Pace Courier Pick	
Sample Time:	14:40	MS	/MSD?	Yes No X			Ship to Pace	
Comments/N	otes:					Laboratory:	Pace An	alytical
	····						Greensb	urg, PA
							· · · · · · · · · · · · · · · · · · ·	
\\svrrmt88-vm3\s	syracuse-01\Dashl	board\Planning\854	1843.xlsm					Page 8 of 1

Sampling Personnel: KL GE	Date: 10 1 2
Job Number: 0603200-136690-221	Weather: PC_ 60
Well Id. MW-8R	Time In: 10:30 Time Out:
Well Information TOC Other Depth to Water: (feet) 2,20 Depth to Bottom: (feet) 20.92	Well Type: Flushmount Stick-Up Well Locked: Yes No Measuring Point Marked: Yes No
Depth to Product: (feet) MP	Weaking Point Marked. Pess Well Material: PVC SS Well Diameter: 1" 2" Other:
Length of Water Column: (feet) 19.72 Volume of Water in Well: (gal) 2.99	Commonto:
Three Well Volumes: (gal) 8-90	Product in Tubing ~2 inside
	<u>an</u>
Purging Information	Conversion Factors
Purging Method: Bailer Peristaltic Grundfo	os Pump gal/ft. 1" ID 2" ID 4" ID 6" ID
	bs Pump water 0.04 0.16 0.66 1.47 1 gallon=3.785L=3785mL=1337cu. feet
Average Pumping Rate: (ml/min) 2-3 0 Duration of Pumping: (min) 30	T gallon-5.765L-5765IRL-155760. leet
Total Volume Removed: (gai) 7 Did well go dry?	Yes No
Horiba U-52 Water Quality Meter Used? Yes No	
Time DTW Temp pH ORP	Conductivity Turbidity DO TDS (mS/cm) (NTL) (mg/L) (g/L)
(feet) (°C) (mV)	Conductivity Turbidity DO TDS (mS/cm) (NTU) (mg/L) (g/L) 0.658 79.0 2.38 0.418
(feet) (°C) (mV)	$\begin{array}{c cccc} (mS/cm) & (NTU) & (mg/L) & (g/L) \\ \hline 0.658 & 79.0 & 2.38 & 0.418 \\ \hline 0.660 & 53.9 & 2.04 & 0.422 \\ \end{array}$
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
interminant (feet) (°C) (mV) 10:45 Z.89 19.82 7.70 -280 10:45 Z.89 19.82 7.42 -360 10:45 5.123 18.40 7.40 -368 10:40 4.73 18.40 7.40 -368 10:40 6.06 18.32 7.36 -386 11:55 6.63 18.37 7.34 -386 11:55 7.48 18.12 7.36 -393 11:55 7.48 18.18 7.34 -395 11:20 7.75 18.17 7.33 -397 11:20 7.75 18.17 7.33 -397 11:20 7.75 18.17 7.33 -397 11:20 7.75 18.17 7.33 -397 11:20 7.75 18.17 7.33 -397 11:20 7.75 18.17 7.33 -397 11:20 7.75 18.17 7.33 -397 11:20 8.17 8.18 18.17 18.17 <td>$\begin{array}{c ccccccccccccccccccccccccccccccccccc$</td>	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
Image: Sampling Information: (°C) (mV) Image: Signal Arrow (Construction) Image: Signal Arrow (Construction) Image: Signal Arrow (Construction) Image: Signal Arrow (Construction) Image: Signal Arrow (Construction) Image: Signal Arrow (Construction) Image: Signal Arrow (Construction) Image: Signal Arrow (Construction) Image: Signal Arrow (Construction) Image: Signal Arrow (Construction) Image: Signal Arrow (Construction) Image: Signal Arrow (Construction) Image: Signal Arrow (Construction) Image: Signal Arrow (Construction) Image: Signal Arrow (Construction) Image: Signal Arrow (Construction) Image: Signal Arrow (Construction) Image: Signal Arrow (Construction) Image: Signal Arrow (Construction) Image: Signal Arrow (Construction) Image: Signal Arrow (Construction) Image: Signal Arrow (Construction) Image: Signal Arrow (Construction) Image: Signal Arrow (Construction) Image: Signal Arrow (Construction) Image: Signal Arrow (Construction) Image: Signal Arrow (Construction) Image: Signal Arrow (Construction) Image: Signal Arrow (Construction) Image: Signal Arrow (Construction) Image: Signal Arrow (Construction) Image: Signal Arrow (Construction) Image: Signal Arrow (Construction) Image: Signal Arrow (Construction) Ima	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
(feet) (°C) (mV) 10:45 Z.87 19.82 7.70 -280 10:50 4.73 18.16 7.42 -360 10:50 4.73 18.16 7.40 -368 10:50 5.23 18.40 7.40 -368 10:50 5.23 18.32 7.36 -386 11:00 0.06 18.32 7.36 -386 11:05 6.63 18.37 7.34 -386 11:05 7.48 18.17 7.36 -393 11:05 7.48 18.17 7.33 -397 11:20 7.75 18.17 7.33 -397 11:20 7.75 18.17 7.33 -397 11:20 7.75 18.17 7.33 -397 11:20 7.75 18.17 7.33 -397 11:20 7.55 18.17 7.33 -397 11:20 7.55 18.17 7.33 -397 12:20 1.75 18.17 7.33 -397 <t< td=""><td>$\begin{array}{c ccccccccccccccccccccccccccccccccccc$</td></t<>	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
Image: Note of the image with the image withe image withe image withe image with the image with the image with	(mS/cm) (NTU) (mg/L) (g/L) 0.658 79.0 2.38 0.418 0.658 53.9 2.04 0.421 0.658 57.3 2.10 0.421 0.658 57.3 2.10 0.421 0.658 57.3 2.10 0.421 0.658 57.3 2.10 0.421 0.657 30.1 2.18 0.431 0.675 12.0 2.20 0.433 0.681 0.1 2.14 0.436 0.681 0.1 2.14 0.436 0.684 9.7 2.14 0.436 0.684 9.7 2.14 0.436 0.684 9.7 2.14 0.436 0.684 9.7 2.14 0.436 0.684 9.7 2.14 0.436 0.685 0.12 0.686 0.068 0.685 0.12 0.686 0.068 0.686 0.12 0.126
(feet) (°C) (mV) 10:45 Z.87 19.82 7.70 -280 10:50 4.73 18.16 7.42 -360 10:50 4.73 18.40 7.40 -365 10:50 5.23 18.40 7.40 -365 10:50 6.63 18.32 7.36 -386 11:55 6.63 18.37 7.34 -386 11:55 7.48 18.18 7.24 -395 11:55 7.48 18.18 7.24 -395 11:55 7.48 18.17 7.33 -397 11:50 7.48 18.17 7.33 -397 11:50 7.48 18.17 7.33 -397 11:50 7.55 8.17 7.33 -397 11:50 7.48 18.17 7.33 -397 11:50 7.55 8.17 7.33 -397 11:50 7.55 8.17 7.33 -397 11:50 7.55 8.18 7.33 -397 12	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
Image: Note of the image is a state of the imag	(mS/cm) (NTU) (mg/L) (g/L) 0.653 79.0 2.38 0.418 0.653 53.9 2.04 0.421 0.653 57.3 2.10 0.421 0.653 57.3 2.10 0.421 0.653 57.3 2.10 0.421 0.653 57.3 2.10 0.421 0.653 57.3 2.17 0.428 0.657 30.1 2.18 0.433 0.657 30.1 2.18 0.433 0.658 12.0 2.20 0.433 0.681 10.1 2.14 0.436 0.681 10.1 2.14 0.436 0.684 9.7 2.14 0.436 0.684 9.7 2.14 0.436 0.684 9.7 2.14 0.436 0.684 9.7 2.14 0.436 0.68 10.1 2.14 0.436 0.68 10.1 2.14 0.436 3.250 ml plastic Yes No No
(feet) (°C) (mV) 10.45 Z.89 19.82 7.70 -280 10.50 4.73 18.16 7.42 -360 10.50 4.73 18.16 7.42 -360 10.50 5.23 18.40 7.40 -368 10.50 6.06 18.32 7.36 -386 10.55 6.63 18.37 7.34 -386 11.40 7.26 18.12 7.36 -393 11.40 7.26 18.18 7.34 -395 11.40 7.26 18.17 7.33 -397 11.20 7.75 18.17 7.33 -397 11.20 7.75 18.17 7.33 -397 11.20 7.75 18.17 7.33 -397 11.20 7.75 18.17 7.33 -397 11.20 7.5 18.17 7.33 -397 11.20 7.5 18.17 7.33 -397 11.20 7.5 18.17 7.33 -397 E	(mS/cm) (NTU) (mg/L) (g/L) 0.658 79.0 2.38 0.418 0.658 53.9 2.04 0.421 0.658 57.3 2.10 0.421 0.658 57.3 2.10 0.421 0.658 57.3 2.10 0.421 0.658 57.3 2.17 0.428 0.675 30.1 2.18 0.431 0.675 30.1 2.18 0.433 0.681 10.1 2.14 0.436 0.681 10.1 2.14 0.436 0.684 9.7 2.14 0.438 0.684 9.7 2.14 0.438 0.684 9.7 2.14 0.438 0.684 9.7 2.14 0.438 0.684 9.7 2.14 0.438 0.684 9.7 2.14 0.438 0.681 10.1 2.14 0.438 3.250 ml plastic Yes No No 3.250 ml plastic Yes No Ship

	~ / /
Sampling Personnel: KL	Date: /0/1/20
Job Number: 0603200-136690-221	Weather: PC 57
Well Id. MW-9	Time In: () 9:40 Time Out:
Well Information TOC Other	Well Type: Flushmount Stick-Up
Depth to Water: (feet) 4.95	Well Locked: Yes No
Depth to Bottom: (feet) 6.35	Measuring Point Marked: Yes No Well Material: PVC SS Other:
Depth to Product: (feet) NP Length of Water Column: (feet) 1,45	Well Diameter: 1" 2" Other:
Length of Water Column: (feet) 45 Volume of Water in Well: (gal) 0.232	Comments:
Three Well Volumes: (gal) ()~(090)	
Purging Information	
	Conversion Factors
Purging Method: Bailer Peristaltic Grundfo	
	ethylene of
	water 0.04 0.16 0.66 1.47
Average Pumping Rate: (ml/min) 2.03	1 gallon=3.785L=3785mL=1337cu. feet
Duration of Pumping:(min)~ (2 min)Total Volume Removed:(gal)Did well go dry?	Yes No
Horiba U-52 Water Quality Meter Used? Yes No	
Time DTW Temp pH ORP	Conductivity Turbidity DO TDS
(feet) (°C) (mV)	Conductivity Turbidity DO TDS (mS/cm) (NTU) (mg/L) (g/L)
(feet) (°C) (mV)	(mS/cm) (NTU) (mg/L) (g/L)
(feet) (°C) (mV) 10:05 5.85 16.66 8.82 -227	
(feet) (°C) (mV)	(mS/cm) (NTU) (mg/L) (g/L)
(feet) (°C) (mV) 10:05 5.85 16.66 8.82 -227	(mS/cm) (NTU) (mg/L) (g/L)
(feet) (°C) (mV) 10:05 5.85 16.66 8.82 -227	(mS/cm) (NTU) (mg/L) (g/L)
(feet) (°C) (mV) <u>10:05</u> 5.85 /6.66 8.82 -227 10:10 Sampled - Well Sping dry 10:15 10:25 10:25	(mS/cm) (NTU) (mg/L) (g/L)
(feet) (°C) (mV) <u>10:05</u> 5.85 16.66 8.82 -227 10:10 Sampled - Well Going day 10:15 10:25	(mS/cm) (NTU) (mg/L) (g/L)
(feet) (°C) (mV) <u>10:05</u> 5.85 /6.66 8.82 -227 10:10 Sampled - Well Sping dry 10:15 10:25 10:25	(mS/cm) (NTU) (mg/L) (g/L)
(feet) (°C) (mV) <u>10:05</u> 5.85 /6.66 8.82 -227 10:10 Sampled - Well Sping dry 10:15 10:25 10:25	(mS/cm) (NTU) (mg/L) (g/L)
(feet) (°C) (mV) <u>10:05</u> 5.85 /6.66 8.82 -227 10:10 Sampled - Well Sping dry 10:15 10:25 10:30	(mS/cm) (NTU) (mg/L) (g/L)
(feet) (°C) (mV) <u>10:05</u> 5.85 16.66 8.82 -227 <u>10:10</u> Sampled - Vell Going day <u>10:15</u> <u>10:25</u> <u>10:30</u> <u>10:35</u>	(mS/cm) (NTU) (mg/L) (g/L)
(feet) (°C) (mV) <u>10:05</u> 5.85 /6.66 8.82 -227 10:10 Sampled - Well Sping dry 10:15 10:25 10:30	(mS/cm) (NTU) (mg/L) (g/L)
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	(mS/cm) (NTU) (mg/L) (g/L)
(feet) (°C) (mV) 10:05 5.85 16.66 8.82 -227 10:10 Sampled - Utell Sping day 10:15	(mS/cm) (NTU) (mg/L) (g/L) 1,32 160 11.14 0.848
(feet) (°C) (mV) 10:05 5.85 16.66 8.82 -227 10:10 Samp led Vell Sping day 10:15	(mS/cm) (NTU) (mg/L) (g/L) 1,32 160 11.14 0.848
(feet) (°C) (mV) 10:05 5.85 16.66 8.82 -227 10:15 5 5 16.66 8.82 -227 10:15 5 5 16.66 8.82 -227 10:15 5 5 16.66 8.82 -227 10:15 5 5 6 9.12 6 10:15 5 5 6 16 16 10:20 5 6 6 16 16 10:30 5 6 6 16 16 16 10:30 6 6 6 6 16 16 16 16 10:35 6 6 6 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 <td< td=""><td>(mS/cm) (NTU) (mg/L) (g/L) 1,32 160 11.14 0.848 1 1 0.848 1 1 1 1 0.848 1 1 1 0.848 1 1 1 0.848 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</td></td<>	(mS/cm) (NTU) (mg/L) (g/L) 1,32 160 11.14 0.848 1 1 0.848 1 1 1 1 0.848 1 1 1 0.848 1 1 1 0.848 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
(feet) (°C) (mV) 10:05 5.85 16.66 8.82 -227 10:10 Scmpled - Well Spins day 10:15 - - - 10:20 - - - - 10:30 - - - - 10:30 - - - - 10:30 - - - - 10:30 - - - - 10:30 - - - - 10:30 - - - - 10:35 - - - - 10:35 - - - - 10:35 - - - - 10:35 - - - - 10:35 - - - - 10:35 - - - - EPA SW-846 Method 8270 SVOC PAH's - - EPA SW-846 Method 9012 Total Cyanide - - S	(mS/cm) (NTU) (mg/L) (g/L) 1,32 160 11.14 0.848 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 100 ml ambers Yes No 3 -40 ml vials Yes No No 1<-250 ml plastic
(feet) (°C) (mV) 10:05 5.85 16.66 8.82 -227 10:15 5 5 16.76 8.82 -227 10:15 5 5 16.76 8.82 -227 10:15 5 5 16.76 8.82 -227 10:15 5 5 16.76 91.95 16.7 10:25 5 5 5 16.76 91.95 16.7 10:30 5 5 5 5 16.75 16.75 16.75 10:30 5 5 5 5 5 16.75 16.75 10:35 5 5 5 5 5 16.75 16.75 10:35 5 5 5 5 5 16.75 16.75 10:35 5 5 5 5 5 16.75 16.75 10:35 5 5 5 5 5 16.75 16.75 10:35 5 5 5 5 5 5	(mS/cm) (NTU) (mg/L) (g/L) 1,32 160 11.14 0.848 1 1 0.848 1 1 0.848 1 1 0.848 1 1 0.848 1 1 0.848 1 1 0.848 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
(feet) (°C) (mV) 10:05 5.85 16.66 8.82 -227 10:10 Sample ID: SVOC PAH's SVOC PAH's	(mS/cm) (NTU) (mg/L) (g/L) 1,32 160 11.14 0.848 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 100 ml ambers Yes No 3 -40 ml vials Yes No No 1<-250 ml plastic
(feet) (°C) (mV) 10:05 5.85 16.66 8.82 -227 10:10 Scmpled - Well Spins day 10:15 - - - 10:20 - - - - 10:30 - - - - 10:30 - - - - 10:30 - - - - 10:30 - - - - 10:30 - - - - 10:30 - - - - 10:35 - - - - 10:35 - - - - 10:35 - - - - 10:35 - - - - 10:35 - - - - 10:35 - - - - EPA SW-846 Method 8270 SVOC PAH's - - EPA SW-846 Method 9012 Total Cyanide - - S	(mS/cm) (NTU) (mg/L) (g/L) 1,32 160 11.14 0.848 1,32 160 11.14 0.848 1,32 160 11.14 0.848 1,32 160 11.14 0.848 1,32 160 11.14 0.848 1,32 160 11.14 0.848 1,32 160 11.14 0.848 1,32 160 11.14 0.848 1,32 160 11.14 0.848 2,100 1.00 1.00 1.00 2,100 1.00 1.00 1.00 3,40 1.00 Yes No 1,250 No No No Shipped: Pace Courier Pickup Ship to Pace

Sampling Personnel: Order Date: Iof I / 2 o 2 - 3 Number: 0603200-136690-221 Weather: C / e a 2 5 / S Well Id. MW-10R Time In: O 9:00 Time Out: O 7: 7 Well Information TOC Other Well Type: Flushmount Depth to Water: (feet) 0.5 0 Well Type: Flushmount Stick-Up Depth to Bottom: (feet) 22.50 Well Material: PVC SS Other: No Length of Water (no Well: (gal) 3.52 Other: Conversion Factors Other: Other: Conversion Factors Purging Information Bailer Peristatic Grundfos Pump Grundfos Pump gal/ft. 1" ID 2" ID 4" ID of other: I' ID 0' ID 4" ID of other: I' I' ID 2" ID 4" ID 0' ID 0' ID 4" ID of of D.16 0.66 I' I' ID 2" ID 4" ID 0' ID 4" ID of other: I' I' ID 2" ID 4" ID 0' ID 4" ID of other: I' I' ID 2" ID 4" ID 0' ID 4" ID of other: I' I' ID 2" ID 4" ID 0' ID 0' ID 4" ID 0' ID 4'' ID 0' ID 0'
Well Id. MW-10R Time In: O 9:00 Time Out: O 7:7 Well Information ToC Other Well Type: Flushmount Stick-Up Depth to Bottom: (feet) 22:50 Well Locked: Yes No Depth to Bottom: (feet) 22:50 Well Material: Yes No Length of Water Column: (feet) 22:0 Well Diameter: 1" 2" Other: Well Diameter: 0 Volume of Water in Well: (gal) 3:52 Comments: 0 Other: Well Diameter: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Well Information TOC Other Depth to Water: (feet) 0.50 Depth to Bottom: (feet) 22.50 Depth to Product: (feet) 22.50 Length of Water Column: (feet) 22.50 Volume of Water in Well: (gai) 3.52 Three Well Volumes: (gai) 3.52 Three Well Volumes: (gai) (gai) Water Column: (feet) 3.52 Three Well Volumes: (gai) (gai) Well Type: Yes Other: Well Material: Stainless St. Polyethylene Sampling Method: Bailer Peristaltic Grundfos Pump Polyethylene Grundfos Pump (gai) (gai) Duration of Pumping: (min) 3.00 (mid of Pumping) Total Volume Removed: (gai) Z Did well go dry? Yes No Mater Quality Meter Used? Yes No (nud) (my/L) (g/L) Mater Quality Meter Yes No
TOC Other Well Type: Flushmount Stick-Up Depth to Water: (feet) 22.50 Measuring Point Marked: Yes No Depth to Product: (feet) 22.50 Measuring Point Marked: Yes No Length of Water Column: (feet) 22.50 Measuring Point Marked: Yes No Volume of Water in Well: (gal) 3.52 Conversion Factors Other: Conversion Factors Three Well Volumes: (gal) 10.50 Stainless St. Grundfos Pump Grundfos Pump gal/ft. 1" ID 2" ID 4" ID 0'' ID 4" ID 0'' ID 4" ID 0'' ID 4" ID 0'' ID 4'' ID 0'' Measuring Method: Bailer Peristallic Grundfos Pump Grundfos Pump gal/ft. 1" ID 2" ID 4" ID 0'' ID 4" ID 0'' 0.66 Average Pumping Rate: (m/min) 2.00 Did well go dry? Yes No 1 galion=3.785L=3785mL=1337cu Purging Unformation of Pumping: (min) 3.0 Did well go dry? Yes No 1 galion=3.785L=3785mL=1337cu Puration of Pumping: (min) 3.0 Did well go dry? Yes No No <td< td=""></td<>
TOC Other Well Type: Flushmount Stick-Up Depth to Water: (feet) 22.50 Measuring Point Marked: Yes No Depth to Product: (feet) 22.50 Measuring Point Marked: Yes No Length of Water Column: (feet) 22.50 Measuring Point Marked: Yes No Volume of Water in Well: (gal) 3.52 Conversion Factors Other: Conversion Factors Three Well Volumes: (gal) 10.50 Stainless St. Grundfos Pump Grundfos Pump gal/ft. 1" ID 2" ID 4" ID 0'' ID 4" ID 0'' ID 4" ID 0'' ID 4" ID 0'' ID 4'' ID 0'' Measuring Method: Bailer Peristallic Grundfos Pump Grundfos Pump gal/ft. 1" ID 2" ID 4" ID 0'' ID 4" ID 0'' 0.66 Average Pumping Rate: (m/min) 2.00 Did well go dry? Yes No 1 galion=3.785L=3785mL=1337cu Purging Unformation of Pumping: (min) 3.0 Did well go dry? Yes No 1 galion=3.785L=3785mL=1337cu Puration of Pumping: (min) 3.0 Did well go dry? Yes No No <td< td=""></td<>
Depth to Water: (feet) 0, 50 Depth to Bottom: (feet) 22.50 Depth to Product: (feet) 22.50 Length of Water Column: (feet) 22.0 Volume of Water in Well: (gal) 3.52 Three Well Volumes: (gal) 4).50 Purging Information Feristattic Grundfos Pump Purging Method: Bailer Peristattic Grundfos Pump Sampling Method: Bailer Peristattic Grundfos Pump Average Pumping Rate: (mi/min) 2.00 Did well go dry? Yes No No Total Volume Removed: (gal) 2.00 Image: Partial Volume Removed: (gal) 2.00 Image: Partial Volume Removed: (gal) 2.00 Duration of Pumping: min) 3.00 Total Volume Removed: (gal) 2.00 Image: Partial Vice Yes No Image: Partial Vice Yes No Image: Partial Vice Yes No Image: Partial Vice Yes No <td< td=""></td<>
Depth to Bottom: (feet) 22:50 Measuring Point Marked: Yes No Depth to Product: (feet) NP NP No Well Material: PVC SS Other: Other: Other: Other: Other: Contraction Volume of Water in Well: (gal) 3 - 57 Contraction Total Volumes: 1" 2" Other: Conversion Factors Purging Information Bailer Peristaltic Grundfos Pump Polyethylene Grundfos Pump Gallon: Gallon: Gallon: 3.20 Average Pumping Rate: (mi/min) 200 Did well go dry? Yes No No Uration of Pumping: (min) 30 Did well go dry? Yes No No Image: Purping Rate: (min) 30 Did well go dry? Yes No No Image: Pumping in the U-52 Water Quality Meter Used? Yes No Mo To Image: Pumping (feet) ('C) ('C) (mV) (mS/cm) (NTU) (mg/L) (g/Z)
Depth to Product: (feet) VI Length of Water Column: (feet) 22.0 Volume of Water in Well: (gal) 3.52 Three Well Volumes: (gal) 3.52 Three Well Volumes: (gal) 1.50 Purging Information Eailer Peristattic Purging Method: Bailer Peristattic Tubing/Bailer Material: Bailer Peristattic Sampling Method: Bailer Peristattic Average Pumping Rate: (ml/min) 200 Duration of Pumping: (min) 30 Total Volume Removed: (gal) 2 Did well go dry? Yes No Model Time DTW Temp PHORE Conductivity Turbidity DO Time DTW Temp PH ORP Conductivity Turbidity DO Image: Prove the stattic Temp PH ORP Conductivity Turbidity DO TD Matter of Pumping: (min) 30 To To To To To<
Length of Water Column: (feet) 22.0 Well Diameter: 1" 2" Other: Volume of Water in Well: (gal) 3.52 Comments: 1" 2" Other: Three Well Volumes: (gal) (gal) (gal) (gal) (gal) (gal) Purging Information Grundfos Pump Stainless St. Grundfos Pump Grundfos Pump Purging Method: Bailer Tefton Stainless St. Grundfos Pump Grundfos Pump Sampling Method: Bailer Peristaltic Grundfos Pump Grundfos Pump (ft. 1" ID 2" ID 4" ID Average Pumping Rate: (mi/min) 2.00 Did well go dry? Yes No Uation of Pumping: (min) 3.0 Did well go dry? Yes No 1 Unation of Pumping: (min) 3.0 Did well go dry? Yes No Ves Unation of Pumping: (min) 3.0 Did well go dry? Yes No Ves Unation of Pumping: (min) 3.0 Did well go dry? Yes No Ves Ves No Ves
Volume of Water in Well: (gal) 3 - 5 2 Comments: Three Well Volumes: (gal) (gal
Three Well Volumes: (gal) (gal)<
Purging Information Purging Method: Bailer Peristatic Grundfos Pump Tubing/Bailer Material: Teflon Stainless St. Polyethylene gal/ft. 1" ID 2" ID 4" ID Sampling Method: Bailer Peristatic Grundfos Pump
Purging Method: Bailer Peristaltic Grundfos Pump Tubing/Bailer Material: Teflon Stainless St. Polyethylene gal/ft. 1" ID 2" ID 4" ID Sampling Method: Bailer Peristaltic Grundfos Pump Grundfos Pump of u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u
Purging Method: Bailer Peristaltic Grundfos Pump Tubing/Bailer Material: Teflon Stainless St. Polyethylene gal/ft. 1" ID 2" ID 4" ID Sampling Method: Bailer Peristaltic Grundfos Pump Grundfos Pump of u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u
Purging Method: Bailer Peristaltic Grundfos Pump Tubing/Bailer Material: Teflon Stainless St. Polyethylene gal/ft. 1" ID 2" ID 4" ID Sampling Method: Bailer Peristaltic Grundfos Pump Grundfos Pump of u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u u
Purging Method: Bailer Peristaltic Grundfos Pump Tubing/Bailer Material: Teflon Stainless St. Polyethylene gal/ft. 1" ID 2" ID 4" ID Sampling Method: Bailer Peristaltic Grundfos Pump Material: of water 0.04 0.16 0.66 Average Pumping Rate: (mi/min) 2.00 Did well go dry? Yes No 1 gal/ft. 1" ID 2" ID 4" ID Duration of Pumping: (min) 3.0 Did well go dry? Yes No 1 gal/on=3.785L=3785mL=1337cu Poriba U-52 Water Quality Meter Used? Yes No No X X X X X Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y
Tubing/Bailer Material: Teflon Stainless St. Polyethylene Image: Stainless St. Polyethylene Image: Stainless St. Stainless St. Stainless St. Polyethylene Image: Stainless St. Stainless St. Stainless St. Stainless St. Polyethylene Image: Stainless St.
Sampling Method: Bailer Peristaltic Grundfos Pump water 0.04 0.16 0.66 Average Pumping Rate: (ml/mln) 200 1 gallon=3.785L=3785mL=1337cu Duration of Pumping: (min) 30 1 gallon=3.785L=3785mL=1337cu Total Volume Removed: (gal) 2 Did well go dry? Yes No Pariba U-52 Water Quality Meter Used? Yes No No Volume Removed: 00 TD Time DTW Temp pH ORP Conductivity Turbidity DO TD (feet) (°C) mV) (mV) (mS/cm) (NTU) (mg/L) (g/z)
Average Pumping Rate: (mi/min) 2 CO 1 gallon=3.785L=3785mL=1337cu Duration of Pumping: (min) 3 CO Did well go dry? Yes No Total Volume Removed: (gal) Z Did well go dry? Yes No Hariba U-52 Water Quality Meter Used? Yes No No Mo Time Time DTW Temp pH ORP Conductivity Turbidity DO TD (feet) (°C) (mV) (mS/cm) (NTU) (mg/L) (g/z)
Duration of Pumping: (min) 3 © Total Volume Removed: (gal) Z Did well go dry? Yes No Priba U-52 Water Quality Meter Used? Yes No No No Time DTW Temp pH ORP Conductivity Turbidity DO TD (feet) (°C) (mV) (mS/cm) (NTU) (mg/L) (g/I)
Total Volume Removed: (gal) Z Did well go dry? Yes No Pariba U-52 Water Quality Meter Used? Yes No No No Time DTW Temp pH ORP Conductivity Turbidity DO TD (feet) (°C) (mV) (mS/cm) (NTU) (mg/L) (g/I)
Horiba U-52 Water Quality Meter Used? Yes No Time DTW Temp (feet) (°C) (mV) (mS/cm) (NTU) (mg/L)
Time DTW Temp pH ORP Conductivity Turbidity DO TD (feet) (°C) (mV) (mS/cm) (NTU) (mg/L) (g/l)
(feet) (°C) (mV) (mS/cm) (NTU) (mg/L) (g/
(feet) (°C) (mV) (mS/cm) (NTU) (mg/L) (g/
$\ f(0,T) _{1} = \ f(0,T)\ = \ f(0,T)\ _{1} = \ f(0,T) _{1} = \ f(0,T) _{1} = \ f(0,T)\ $
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
09:25 3.07 15.94 9.93 -315 0.741 0.0 0.78 0.4
05.20 3.35 15.87 9.94 -330 0.740 0.0 0.80 0.4
09:35 3.54 15.80 2.93 -339 0.739 0.0 0.79 0.4
Sampling Information:
EPA SW-846 Method 8270 SVOC PAH's 4 - 100 ml ambers Yes No
EPA SW-846 Method 8260 VOC's BTEX 6 - 40 ml vials Yes No
EPA SW-846 Method 9012 Total Cyanide 2 - 250 ml plastic Yes XI No
FD-1020
FD-1020 FD-10R-1020 Duplicate? Yes No Shipped: Pace Courier Pickup
FD-1020 FD-1020 Duplicate? Yes No Shipped: Pace Courier Pickup iple Time: 09:90 MS/MSD? Yes No Shipped: Pace Courier Pickup
FD-1020 Fomple ID: MW-10R-1020 Duplicate? Yes No Shipped: Pace Courier Pickup

\\svrrmt88-vm3\syracuse-01\Dashboard\Planning\854843.xlsm

mpling Perso	nnel:	GE			Date:	10/1/20		
Job Number:	0603200-13	6690-221			Weather:	clear	60'5	
· · · · · · · · · · · · · · · · · · ·	MW-11			<u> </u>	Time In:	12:45	Time Out:	
			- ·	····				
Well Infor	mation) A / - 11 To			4-1-1-1-
Depth to Water:		(feet)	TOC 3,49	Other	Well Type Well Loci		hmount X S Yes X	tick-Up No
Depth to Bottom		(feet)	6.51			Point Marked:	Yes	No
Depth to Produc		(feet)	NP		Well Mat		⊠ss∏Othe	•r:
Length of Water		(feet) 3	.07		Well Diar	neter: 1"	2" 🔀 Othe	er:
Volume of Wate			49		Commen	ts:		
Three Well Volu	umes:	(gal)	14					· · · · · · · · · · · · · · · · · · ·
				<u></u>			· • ·	
							<u> </u>	
Purging Info	ormation					r	Conversion Fa	actors
Purging Method		Bailer	Peristaltic	Grundf	os Pump	gal/ft.	1" ID 2" ID	4" ID 6" ID
Tubing/Bailer M		Teflon	Stainless St.		ethylene	gai/it.		
Sampling Metho		Bailer	Peristaltic	<u> </u>	os Pump	water	0.04 0.16	0.66 1.47
Average Pumpi			200				on=3.785L=3785m	· · · · · · · · · · · · · · · · · · ·
Duration of Pun		(min)				L		· · · · · · · · · · · · · · · · · · ·
Total Volume R	emoved:	(gal)	D	id well go dry?	Yes 🗌 N	o		
iba 11-52 W/	ater Quality M	eter Used?	Yes					
						· · · · · · · · · · · · · · · · · · ·		
Time	DTW	Temp	рН	ORP	Conductivit	/ Turbidity	DO	TDS
	(feet)	(°C)	•	(mV)	(mS/cm)	(NTU)	(mg/L)	(g/L)
12:55	3,77	15.48	7.72	- 346	1.31	20,2	1.52	0.857
13:00	3.77	15.07	7.20	-325	1.54	17.4	0,98	0.987
13:05	3.80	14-89	7.02	-320	1.57	16.4	0.89	1.01
13:10	3.82	14.77	6.89	-318	1.58	14,9	0.81	1.01
13:15	3.83	14.80	6.51	-3/7_	1.58	14.7	0.79	1.01
13:20	3.84	14.70	6.80	-3/7	1.59	12:4	0.78	1.0/
15 23	<u> </u>	14.65	6.11	-316	1.59	21.1	0,74	1.02
						· · · · ·		
			<u></u>					
Sampling Info	rmation:							
EPA SW-846	6 Method 8270	SVOC F				2 - 100 ml amb		
	6 Method 8260	VOC's I				3 - 40 ml via		
EPA SW-84	6 Method 9012	Total Cy	anıde			1 - 250 mi pla:	stic Yes	
	MW-11-10	1 20	plicate?	Yes No X	1	Shipped: P	ace Courier Pick	
∩ple ID: Sample Time:	13:20		plicate? 5/MSD?				Ship to Pace	Ϋ́Υ Ή
	- Ching				<u> </u>	Labar 4		
Comments/Not	tes:					Laboratory:	Pace Ana	•
					L	<u></u>	Greensbu	лу, PA
		oard\Planning\85						Page 12 (

1 1 6	
mpling Personnel: KL (J-2-	Date: /3/1/2.2
Jup Number: 0603200-136690-221	Weather: clean 60's
Well Id. MW-12R	Time In: (2-2) Time Out: (2:40
Well Information	
ТОС	OtherWell Type: Flushmount Stick-Up
Depth to Water: (feet) 9,3	Well Locked: Yes No
Depth to Bottom: (feet) 21.4	Measuring Point Marked: Yes No
Depth to Product: (feet)	Well Material: PVC SS Other:
Length of Water Column: (feet) /2.4 Volume of Water in Well: (gal) 1.97	
Three Well Volumes: (gal) 5-79	
Purging Information	
, aging moment	Conversion Factors
Purging Method: Bailer	Peristaltic Grundfos Pump gal/ft. 1" ID 2" ID 4" ID 6" ID
	inless St. Polyethylene of
Sampling Method: Bailer	Peristaltic Grundfos Pump water 0.04 0.16 0.66 1.47
Average Pumping Rate: (ml/min) 200	1 gallon=3.785L=3785mL=1337cu. feet
Duration of Pumping: (min) 30	
Total Volume Removed: (gal)	
iba U-52 Water Quality Meter Used?	Yes No
Time DTW Temp	H ORP Conductivity Turbidity DO TDS
(feet) (°C)	(mV) (mS/cm) (NTU) (mg/L) (g/L)
	18 -416 0.536 17.8 1.84 0.343
1205 12.27 18.48	
1210 13.05 18.26	
	64 -429 0.540 8.1 1.88 0.346
1220 14.35 18.06	
	59 -431 0.551 7.0 1.77 0.352
Sampling Information:	
EPA SW-846 Method 8270 SVOC PAH's	2 - 100 ml ambers Yes No
EPA SW-846 Method 8260 VOC's BTEX	3 - 40 ml vials Yes No
EPA SW-846 Method 9012 Total Cyanide	1 - 250 ml plastic Yes 🔀 No
nple ID: MW-12R-1020 Duplica	? Yes No Shipped: Pace Courier Pickup
Comments/Notes:	
	Laboratory: Pace Analytical
	Laboratory: Pace Analytical Greensburg, PA

mpling Pers	sonnel:	M MARK	Date: 10	te: 10-1-20					
JUD Number:	,	36690-221		<u> </u>		Clarry	650		
				- · · · · · · · · · · ·	Time In: /(Time Out:	1120	
Well Id.	MW-14R		·		Time in 70		Time Out.	(.0.0	
Well Info	ormation	· · · · · · · · · · · · · · · · · · ·							
	Jimation	-	тос	Other	Well Type:	Flus	hmount 🔀 🖇	Stick-Up	
Depth to Wate	>r.	(feet) 7	oc	Onici	Well Locke		Yes	No	
Depth to Botto		(feet)	50.80			oint Marked:	Yes	No	
Depth to Prod			NIZ		Well Mater		⊠ss⊟otr	ner:	
Length of Wat			0.80		Well Diam	eter: 1"	2" 🛛 Oth	ner:	
Volume of Wa		(gal) 5	3.12		Comments	:			
Three Well Vo	olumes:	(gal) 2							
			· · · · ·						
Purging Ir	nformation	_							
							Conversion F		
Purging Metho	od:	Bailer	Peristaltic	Grundi	fos Pump	gal/ft.	1" ID 2" ID	4" ID 6" ID	
Tubing/Bailer	Material:	Teflon	Stainless St.	. Pol	yethylene	of			
Sampling Met	hod:	Bailer		Grund	fos Pump	water	0.04 0.16	0.66 1.47	
Average Pum	ping Rate:	v / =	00			1 gall	on=3.785L=3785n	nL=1337cu. feet	
Duration of Pu		(min)	30						
Total Volume	Removed:	(gal)	. 0 [oid well go dry?	Yes No	<u>x</u>			
iba U-52 V	Vater Quality	Meter Used?	Yes						
						<u></u>			
Time	DTW	Temp	pH	ORP	Conductivity	Turbidity	DO	TDS	
Time		Temp (°C)	рH	ORP (mV)	(mS/cm)	Turbidity (NTU)	DO (mg/L)	(g/L)	
	DTW (feet)	Temp (°C) 13.06	рн 7.68	· ·	-	-	1		
Time 1040 1045	(feet)	(°C)		(mV)	(mS/cm)	(NTU) 0.0 0.0	(mg/L)	(g/L)	
1040 1045	(feet)	(°C) 13.06	7.68	(mV) -246 -394 -311	(mS/cm) .657 .643 .642	(NTU) 0.0 0.0 0.0	(mg/L) 6.68 1.55 1.46	(g/L) .420 .4(1	
1040	(feet) TOC TOC TOC TOC	(°C) 13.06 12.47	7.68 7.68 7.66 7.66	(mV) -246 -294	(mS/cm) .657 .643 .649 .637	(NTU) 0.0 0.0 0.0 0.0	(mg/L) 6.68 1.55 1.46 1.34	(g/L) .420 .4(1 .4(1 .408	
1040 1045 1050 1055 1100	(feet) TOC TOC TOC TOC TOC	(°C) 13.06 12.47 12.54 12.54 12.54	7.68 7.68 7.66 7.66 7.66 7.82	(mV) -246 -994 -311 -304 -343	(mS/cm) .657 .643 .649 .637 .638	(NTU) 0.0 0.0 0.0 0.0 0.0	(mg/L) 6.68 1.55 1.46 1.34 1.38	(g/L) .420 .4(1 .4(1 .408 .408	
1040 1045 1050 1055 1100	(feet) TOC TOC TOC TOC TOC TOC	$(C) \\ 13.06 \\ 13.47 \\ 12.54 \\ 12.54 \\ 12.54 \\ 12.48 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 $	7.68 7.68 7.66 7.66 7.66 7.80 7.81	(mV) -246 -394 -311 -304 -343 -340	(mS/cm) .657 .643 .649 .627 .638 .638 .639	(NTU) 0.0 0.0 0.0 0.0 0.0	(mg/L) 6.68 1.55 1.46 1.34 1.28 1.28 1.28	(g/L) .400 .4(1 .4(1 .408 .408 .408	
1040 1045 1050 1055	(feet) TOC TOC TOC TOC TOC	(°C) 13.06 12.47 12.54 12.54 12.54	7.68 7.68 7.66 7.66 7.66 7.82	(mV) -246 -394 -311 -384 -343	(mS/cm) .657 .643 .649 .637 .638	(NTU) 0.0 0.0 0.0 0.0 0.0	(mg/L) 6.68 1.55 1.46 1.34 1.38	(g/L) .420 .4(1 .4(1 .408 .408	
1040 1045 1050 1055 1100 1105	(feet) TOC TOC TOC TOC TOC TOC	$(C) \\ 13.06 \\ 13.47 \\ 12.54 \\ 12.54 \\ 12.54 \\ 12.48 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 $	7.68 7.68 7.66 7.66 7.66 7.80 7.81	(mV) -246 -394 -311 -304 -343 -340	(mS/cm) .657 .643 .649 .627 .638 .638 .639	(NTU) 0.0 0.0 0.0 0.0 0.0	(mg/L) 6.68 1.55 1.46 1.34 1.28 1.28 1.28	(g/L) .420 .4(1 .4(1 .408 .408 .408	
1040 1045 1050 1055 1100 1105	(feet) TOC TOC TOC TOC TOC TOC	$(C) \\ 13.06 \\ 13.47 \\ 12.54 \\ 12.54 \\ 12.54 \\ 12.48 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 $	7.68 7.68 7.66 7.66 7.66 7.80 7.81	(mV) -246 -394 -311 -304 -343 -340	(mS/cm) .657 .643 .649 .627 .638 .638 .639	(NTU) 0.0 0.0 0.0 0.0 0.0	(mg/L) 6.68 1.55 1.46 1.34 1.28 1.28 1.28	(g/L) .420 .4(1 .4(1 .408 .408 .408	
1040 1045 1050 1055 1100 1105	(feet) TOC TOC TOC TOC TOC TOC	$(C) \\ 13.06 \\ 13.47 \\ 12.54 \\ 12.54 \\ 12.54 \\ 12.48 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 $	7.68 7.68 7.66 7.66 7.66 7.80 7.81	(mV) -246 -394 -311 -304 -343 -340	(mS/cm) .657 .643 .649 .627 .638 .638 .639	(NTU) 0.0 0.0 0.0 0.0 0.0	(mg/L) 6.68 1.55 1.46 1.34 1.28 1.28 1.28	(g/L) .420 .4(1 .4(1 .408 .408 .408	
1040 1045 1050 1055 1100 1105	(feet) TOC TOC TOC TOC TOC TOC	$(C) \\ 13.06 \\ 13.47 \\ 12.54 \\ 12.54 \\ 12.54 \\ 12.48 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 $	7.68 7.68 7.66 7.66 7.66 7.80 7.81	(mV) -246 -394 -311 -304 -343 -340	(mS/cm) .657 .643 .649 .627 .638 .638 .639	(NTU) 0.0 0.0 0.0 0.0 0.0	(mg/L) 6.68 1.55 1.46 1.34 1.28 1.28 1.28	(g/L) .420 .4(1 .4(1 .408 .408 .408	
1040 1045 1050 1055 1100 1105 1110	(feet) TOC TOC TOC TOC TOC TOC TOC	$(C) \\ 13.06 \\ 13.47 \\ 12.54 \\ 12.54 \\ 12.54 \\ 12.48 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 $	7.68 7.68 7.66 7.66 7.66 7.80 7.81	(mV) -246 -394 -311 -304 -343 -340	(mS/cm) .657 .643 .649 .627 .638 .638 .639	(NTU) 0.0 0.0 0.0 0.0 0.0	(mg/L) 6.68 1.55 1.46 1.34 1.28 1.28 1.28	(g/L) .420 .4(1 .4(1 .408 .408 .408	
1040 1045 1050 1055 1100 1105	(feet) TOC TOC TOC TOC TOC TOC TOC	$(C) \\ 13.06 \\ 13.47 \\ 12.54 \\ 12.54 \\ 12.54 \\ 12.48 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 \\ 10.45 $	7.68 7.68 7.66 7.66 7.66 7.80 7.81	(mV) -246 -394 -311 -304 -343 -340	(mS/cm) .657 .643 .649 .627 .638 .638 .639	(NTU) 0.0 0.0 0.0 0.0 0.0	(mg/L) 6.68 1.55 1.46 1.34 1.28 1.28 1.28	(g/L) .420 .4(1 .4(1 .408 .408 .408	
1040 1045 1050 1055 1100 1105 1110 1110	(feet) TOC TOC TOC TOC TOC TOC TOC	(C) 13.06 13.47 12.54 12.54 12.48 12.48 12.48 12.48 12.48 12.48 12.48 12.48 12.48 12.48 12.48	7.68 7.68 7.66 7.66 7.80 7.80 7.81 7.77	(mV) -246 -394 -311 -304 -343 -340	(mS/cm) .657 .643 .649 .627 .638 .638 .639	(NTU) 0.0 0.0 0.0 0.0 0.0 0.0	(mg/L) 6.68 1.55 1.46 1.38 1.28 1.28 1.28	(g/L) .420 .411 .408 .408 .408 .408 .408	
1040 1045 1050 1055 1100 1105 1110 Sampling In EPA SW-8	(feet) TOC TOC TOC TOC TOC TOC TOC TOC	(°C) 13.06 13.47 12.54 12.54 12.48 10.45 12.40 12.40	7.68 7.68 7.66 7.66 7.66 7.80 7.81 7.77	(mV) -246 -394 -311 -304 -343 -340	(mS/cm) .657 .643 .649 .627 .638 .638 .639	(NTU) 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	(mg/L) 6.68 1.55 1.46 1.34 1.38 1.38 1.38 1.38	(g/L) .420 .4(1 .4(1 .408 .408 .408 .408 .407	
1040 1045 1050 1055 1100 1105 1110 1110	(feet) TOC TOC TOC TOC TOC TOC TOC TOC	(°C) 13.06 13.47 12.54 12.54 12.48 12.48 12.48 12.48 12.48 12.48 12.48 12.48 12.48 12.48 12.48 12.48 12.48 12.48 12.48 12.48 12.48 12.48 12.48 12.48 12.48 12.48 12.48 12.54 12.54 12.54 12.54 12.54 12.54 12.54 12.54 12.54 12.54 12.54 12.54 12.54 12.54 12.54 12.54 12.54 12.54 12.54 12.54 12.54 12.54 12.54 12.54 12.54 12.54 12.54 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.55 12.	7.68 7.68 7.66 7.66 7.60 7.81 7.81 7.77	(mV) -246 -394 -311 -304 -343 -340	(mS/cm) .657 .643 .649 .627 .638 .638 .639	(NTU) 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	(mg/L) 6-68 1-55 1.46 1.34 1.38 1.38 1.38 1.38 1.38 1.38 1.38 1.38	(g/L) .420 .4(1 .4(1 .408 .408 .408 .408 .408 .407	
1040 1045 1050 1055 1100 1105 1110 1110	(feet) TOC TOC TOC TOC TOC TOC TOC TOC	(C) 13.06 13.47 12.54 12.54 12.54 12.43 10.45 10.45 10.45 10.40 10.45 10.40 10.45 10.40 10.45 10.40 10.45 10.40 10.45 10.40 10.45 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.40 10.	7.68 7.68 7.66 7.66 7.60 7.81 7.81 7.77	(mV) -246 -394 -311 -304 -343 -340	(mS/cm) .657 .643 .649 .627 .638 .638 .639	(NTU) 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	(mg/L) 6-68 1-55 1.46 1.34 1.38 1.38 1.38 1.38 1.38 1.38 1.38 1.38	(g/L) .420 .4(1 .4(1 .408 .408 .408 .408 .407	
<u>1040</u> <u>1045</u> <u>1050</u> <u>1055</u> <u>1100</u> <u>1105</u> <u>1110</u> <u>1110</u> <u>1110</u> <u>1110</u> <u>1110</u> <u>1110</u> <u>1110</u> <u>1110</u> <u>1110</u> <u>1110</u> <u>1110</u>	(feet) TOC TOC TOC TOC TOC TOC TOC TOC	(°C) 13.06 13.47 13.54 13.54 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.	7.68 7.68 7.66 7.66 7.66 7.80 7.81 7.77	(mV) -246 -294 -311 -304 -343 -340 -339	(mS/cm) , 657 , 643 , 649 , 627 , 638 , 639 , 639 , 640	(NTU) 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	(mg/L) 6-68 1-55 1-46 1-34 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38	(g/L) .400 .4(1 .408 .408 .408 .408 .407	
1040 1050 1050 1055 1100 1105 1110 Sampling In EPA SW-8 EPA SW-8 EPA SW-8 A SW-8 <td>(feet) TOC TOC TOC TOC TOC TOC TOC TOC</td> <td>(C) 73.06 73.76 12.77 12.54 12.54 12.43 72.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 12.43 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.639 .620	(NTU) 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	(mg/L) 6-68 1-55 1-46 1-34 1-34 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38 1-38	(g/L) .400 .4(1 .408 .408 .408 .408 .408 .407	
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.639 .620	(NTU) 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	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mpling Pers	sonnel: Un	y Mytra			Date: 10-1-20							
JUD Number:	0603200-1	36690-221				locoy	65					
Well Id.	MW-15				Time In: 1355 Time Out:							
Well Inf	ormation		TOC	Other	Well Type:	Flus	hmount S	Stick-Up				
Depth to Wate	er:	(feet)	3.06		Well Locke	d:	Yes	No				
Depth to Botto	om:	(feet)	9.04		Measuring F	oint Marked:	Yes 🔀	No				
Depth to Prod	luct:	(feet)			Well Mater	ial: PVC	SSOth	er:				
Length of Wa	ter Column:	(feet)	98		Well Diame	eter: 1"	2" 🔀 Oth	er:				
Volume of Wa	ater in Well:	(gal) I	15		Comments	:						
Three Well Vo	olumes:	(gal)	47									
<u></u>			·					····				
Purging I	nformation	•					Conversion E					
	1-						Conversion F	4" ID 6" ID				
Purging Meth		Bailer		<u> </u>	os Pump	gal/ft.	1" ID 2" ID					
Tubing/Bailer		Teflon				of	0.04 0.16	0.66 1.47				
Sampling Met	·	Bailer		Grundf	os Pump	water	0.04 0.16	0.66 1.47				
Average Pum	* * .7		20				on=3.785L=3785m	nL=1337cu. teet				
Duration of P		(min)	<u>30</u> 2 D	id well go dry?		FUL .						
Total Volume	Removed:	(gal)				5						
iba U-52 \	Nater Quality N	Meter Used?	Yes		`` `							
						••						
Time	DTW	Temp	рН	ORP	Conductivity	Turbidity	DO	TDS				
	(feet)	(°C)		(mV)	(mS/cm)	(NTU)	(mg/L)	(g/L)				
1400	8.27	16.76	7.13	-265	1.22	1000	4.23	,789				
1405	8.34	16.55	7.03	- 266	1.22	250	2.20	782				
1410	839	16.26	6.97	-266	1.22	309	1.65	.782				
1415	8.45	16.13	6.94	<u>1-264</u>	1.22	87.8	1.42	.779				
1400	9.57	16.47	6,20	-251	1.20	110	1.87	.768				
1925	8.60	16.34	6.91	-925	1.22	875	<u>2.30</u>	.783				
1430	8.60	15.82	6.75	-248	1.21	186	2.03	,773				
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Sampling In	formation:											
						2 - 100 ml ami	oers Yes					
	346 Method 8270					2 - 100 mi ami 3 - 40 mi via						
11	846 Method 8260	-				1 - 250 mi pla						
EPA SVV-8	846 Method 901:	2 Total Cy	anice			i - 200 mi pia	300 T ES	°KA "°L				
anie ID:	KA\&/ 4 C 4	020 5.	unlicato?		1 0	nipped: F	Pace Courier Pick					
nple ID: Sample Time:	MW-15-1	· · · · ·	iplicate? S/MSD?	Yes No X		nppeu. r	Ship to Pace					
L					<u>لا</u>		-					
_ Comments/N	lotes: 🕖	ell Run	DEN Q	30 mi	л I	Laboratory:	Pace An	-				
<u></u>					-		Greensb	urg, PA				
- AWATT	(KCVA	rge + c	ellect s	sample	{ ****		·····					
Wruppent00 um2	svracuse-01\Dash	board\Planning\85	4843.xlsm					Page 15 of 1				

National Grid King Street Non-Owned Former MGP Site Ogdensburg, New York IAM MAMAR Date: 10-1-20 mpling Personnel: Weather: Cluby 65 0 0603200-136690-221 JUD Number: Time In: 131 Time Out: 1355 Well Id. **MW-15RS** Well Information TOC Well Type: Other Flushmount Stick-Up 840 Depth to Water: (feet) Well Locked: Yes No Depth to Bottom: 23.65 (feet) Measuring Point Marked: Yes No Depth to Product: (feet) ンフ Well Material: **PVC** lss Other: Length of Water Column: 2' (feet) Well Diameter: Other: Volume of Water in Well: (gal) Comments: 6 Three Well Volumes: \bigtriangledown (gai) **Purging Information Conversion Factors Purging Method:** 2" ID 4" ID Bailer Peristaltic Grundfos Pump 1" ID 6" ID gal/ft. Tubing/Bailer Material: Teflon Stainless St. Polyethylene of Sampling Method: Peristaltic 0.04 0.16 Bailer Grundfos Pump water 0.66 1.47 Average Pumping Rate: 1 gallon=3.785L=3785mL=1337cu. feet Duration of Pumping: (min) OYes No **Total Volume Removed:** Did well go dry? (gal) 1.0 Yes No iba U-52 Water Quality Meter Used? DTW ORP DO Time Temp pН Conductivity Turbidity TDS (feet) (°C) (mV) (mS/cm) (NTU) (mg/L)(g/L) 8.88 9 z_{2} 1.QG 6.1 <u>4</u> Z 9. 1.28 0 1.28 9 9. $\overline{2}$ 6 5. 9 6 1.2 \mathcal{O} 10. 56 12 1.34 11. IΔ 0 6 15 74 Э $\overline{\lambda}$ 18 Δ 14 Δ 2 69 1. . 0 0 Z 90 14 0 Д 1. 34 Ô 7 0 \cap ጆ

Sampling Info	ormation:					
EPA SW-84	6 Method 8270 6 Method 8260 6 Method 9012	SVOC PAH's VOC's BTEX Total Cyanide		2 - 100 ml a 3 - 40 ml 1 - 250 ml p	vials Yes	No No No
nple ID: Sample Time:	MW-15RS-1020	Duplicate? MS/MSD?	Yes No Yes No	Shipped:	Pace Courier Pickup Ship to Pace	X
Comments/Not	tes:			Laboratory:	Pace Analy Greensburg	

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mpling Pe		M WAHER			Data	0100				
JUD Number:		136690-221		<u></u>		O-1-20 er:Ouercas-	T 60°	<u></u>		
Well Id.	MW-17R		<u> </u>					<u> </u>		
		· · · · · · · · · · · · · · · · · · ·		. <u></u>	Time ir	n: 0900	Time Out: I (0.00		
Well In	formation									
Depth to Wat Depth to Bott Depth to Prod Length of Wa Volume of W Three Well V	om: duct: ater Column: ater in Well:	(feet) (feet) (feet) (feet) (gal) (gal)	TOC 26.90 26.90 4.74 2.15 1.47	Well Type: Flushmount Stick-Up Well Locked: Yes No Measuring Point Marked: Yes No Well Material: PVC SS Well Diameter: 1" 2" Other:						
Purging Meth Tubing/Bailer Sampling Met Average Pum Duration of Pu Total Volume	Material: thod: pping Rate: umping:	(min) ((gal) (Stainless S Peristalti	t. Poly	os Pump rethylene os Pump			" ID 6" ID 0.66 1.47		
Time	DTW	Temp	рH	ORP	Conductiv	ity Turbidity	DO	TDS]]		
0935	(feet) 8.04	(°C)	1 = 1	(mV)	(mS/cm)	· · · · · · · · · · · · · · · · · · ·	(mg/L)	(g/L)		
0940	8.72	14.59	6.76	-161	1.07	15.5	3.72	682		
0945	8.96	14.53	7.11	-175	1.03	9.3	1.53	.665		
0950	9.23	14.38	7.10	-179	1.03	7.8	1.25	662		
0955	9.42	14.45	7.20	-189	1.03	8.2	1-03	658		
1000	4.49	14.60	7.28	-195	1.03	88	1.05	659		
1005	9.56	14.63	7.30	-199	1.03	9.0	1.04	657		
1610	9.61	14.72	7.31	-206	1.02	8.7	1.02 .	658		
			· · · · · · · · · · · · · · · · · · ·							
							····			
Sampling Inf	formation.	· · · · · · · · · · · · · · · · · · ·								
			A 1 11-				K	,,		
	46 Method 8270 46 Method 8260	SVOC F VOC's E				2 - 100 ml amb		No		
	46 Method 9012					3 - 40 ml vials 1 - 250 ml plas				
		i otar Oyo				1 - 250 ml plas	tic Yes	No No		
nple ID:	MW-17R-1	020 Du	olicate?	Yes No		Shipped: Pa	ace Courier Pickup			
Sample Time:	1012	MS	/MSD?	Yes No 🛛			Ship to Pace			
Comments/No	otes:				<u> </u>	Laboratory:	Pace Analyt	ical		
							Greensburg,			
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Sampling Pers	sonnel:	y WARE	<u>e </u>	<u>.</u>		10.1.20					
Job Number:	0603200-1				Weather:	Clargy .	-650				
Well Id.	MW-19R				Time In:	220	Time Out: /	305			
Well Info	ormation										
			тос	Other	Well Type	: Flus	hmount 🔀 🛛 S	tick-Up			
Depth to Wate	er:	(feet) A	32		Well Lock	ed:	Yes	No			
Depth to Botto	om:	(feet)	38.05		+	Point Marked:	Yes	No			
Depth to Prod		(feet)	JD	200	Well Mate						
Length of Wat		(feet) S		3.73	Well Dian		2" Othe	er:			
Volume of Wa		(gal) 5	39		Comment	S:					
Three Well Vo	olumes:	(gal) \ (.19		<u> </u>		<u> </u>				
		<u></u>					·				
Durreing	formation	<u> </u>	3	······································			····				
Purging in	nformation	•					Conversion F	actors			
Purging Metho	od [.]	Bailer	Peristaltic	Grundf	os Pump	gal/ft.	1" ID 2" ID	4" ID 6" ID			
Tubing/Bailer		Teflon	Stainless St.		rethylene	of					
Sampling Met		Bailer	Peristaltic	Grundf	os Pump	water	0.04 0.16	0.66 1.47			
Average Pum		(mi/min)				1 gal	on=3.785L=3785m	L=1337cu. feet			
Duration of P		(min)	30								
Total Volume	the second s	(gal) (ι <u>Ο</u> D	id well go dry?	Yes	$^{\circ}$					
Horiba LL-52 \	Nater Quality I	Meter Used?	Yes	⊠ No 🗌				· .			
						<u></u>					
Time	DTW	Temp	рН	ORP	Conductivity	/ Turbidity	DO	TDS			
Time	(feet)	(°C)	pri	(mV)	(mS/cm)	(NTU)	(mg/L)	(g/L)			
1225	CAS	14.97	7.99	-214	,503	0.0	2.25	.323			
1230	7.61	15.52	8.20	1-251	1501	0.0	1.50	132			
1235	8.90	15.28	824	-259	15/2	0.0	1.24	.328			
1200	9,94	15.02	8.27	-256	1.503	0.0	1.11	.322			
	1135	14.96	7.99	-227	.472	0.0	.97	,306			
1350	12:06	14.95	7.99	- 222	.472	0.0	198	1301			
1855	12.49	14.97	7.98	-217	1.470	0.0	198	.298			
	1										
		<u> </u>						<u> </u>			
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Sampling In	nformation:										
EPA SW-8	346 Method 827		PAH's			2 - 100 ml am					
EPA SW-	846 Method 826					3 - 40 ml via					
EPA SW-	846 Method 901	2 Total Cy	vanide			1 - 250 ml pla	astic Yes	s No			
			unlinet=0		7	Shinned	Pace Courier Pic				
Sample ID:	MW-19R		uplicate?	Yes No	K	Shipped:	Ship to Pace				
Sample Time:	_1300	<u> </u>	S/MSD?	Yes No	<u> </u>						
Comments/N	Notes:					Laboratory:	Pace Ar	-			
<u> </u>	<u></u>						Greensb	urg, PA			
					Ŀ			Page 18			
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Sampling Per	rsonnel: (V	mush	hur		Date: 1 🔿	te: 10. (· 20						
Job Number:	0603200-	136690-221			Weather:	Clargy	650					
Well Id.	MW-20R				Time In: J		Time Out:	1215				
(
Well In	formation	_		. • -								
Depth to Wat Depth to Bott Depth to Proc Length of Wa Volume of Wa Three Well V	om: duct: ater Column: ater in Well:	(feet) (feet) (feet) (feet) (gal) (gal)	Well Lock Measuring Well Mate Well Diam	Well Type: Flushmount Stick-Up Well Locked: Yes No Measuring Point Marked: Yes No Well Material: PVC SS Other: Well Diameter: 1" 2" Other: Comments:								
Purging Information Purging Method: Bailer Peristaltic Grundfos Pump Tubing/Bailer Material: Teflon Stainless St. Polyethylene Sampling Method: Bailer Peristaltic Grundfos Pump Average Pumping Rate: (ml/min) QCQ Duration of Pumping: (min) QO Total Volume Removed: (gal) C Horiba U-52 Water Quality Meter Used? Yes No												
Time 1135 1140 1145 1150	DTW (feet) 1.59 2.9(1 3.62	Temp (°C) 15.01 15.07 15.25 15.26	рн 7.69 7.56 7.4.6 7.59	ORP (mV) -206 -201 -196 -204	Conductivity (mS/cm) + 664 + 664 - 662	Turbidity (NTU) 17.9 1.8 1.8	DO (mg/L) 2.88 1.27 1.27	TDS (g/L) .427 .425 .425 .425				
1200 1200	4.75 5.4 1 5.69	15.17	7.67 7.63 7.62	-205 -207 -203	-663 -661 -662	0.0	1.08	.425 .424 .423 .423				
	· · · · · · · · · · · · · · · · · · ·		l			<u> </u>	1					
EPA SW-8	46 Method 8270 46 Method 8260 46 Method 9012 MW-20R-	VOC's E 2. Total Cya 1020 Du	BTEX	Yes No Yes No X] SI	2 - 100 ml amt 3 - 40 ml via 1 - 250 ml pla nipped: P Laboratory:	ls Yes	No No No alytical				
\\svrrmt88-vm3\s	yracuse-01\Dasht	ooard\Planning\854	4843.xlsm		<u>[[</u>			Page 19 of				



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

ectio			Section B				Section C														Pa	age:	1 of	1
	ed Client Information: ny: GES - Syracuse		Report To: De	ject Information: win Shay (GES)			Involce Information: Attention: Accounts Payable	via email at ges-invo	ces@gi	enilne.c	om								FCU			ENCY		
ddres	s: 5 Technology Place, St	uite 4	dshay@gesor Report To: Tir	nline.com n Beaumont (GES	}		Company Name: Groundwar	ter & Environmental S	ervices,	Inc.							∏ 3ROL					3 WATER		
	racuse, New York 13057		tbeaumont@g	jesonline.com			Address; 5 Technology Place												ALER) WATER		
	To: dshay@gesonline.com		Purchase Ord	er Nn :			Pace Quote Reference:	,,							Γ us		RCRA		<u> </u>		THER			
	800,220,3069 Fax: Nor			: National Grid - O	odenet		Pace Project Manager: Rach	el Christner									TE:		Гэл —				_	I
4051			King Street Og	gdensburg, NY	guoria.										LOCA	TION			Гэ⊦		3C 1	<u>и</u> (HER	≀ →─
teque	sted Due Date/TAT: Stand	lard	Project Numb 0603200-1366				Pace Profile #:	Semi-An	nual	GWS					Flitered ((/N)				\square	///	<u> </u>		1
ITEM #	Section D Requir SAMP One Charac (A-Z, 0 Samples IDs MU	ter per box. -9 / ,-)	Valid Mathix Codes MATRIX Denemon varres varres varres vestrix varres original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original original origintal original original origintal original original original ori	CODE over www www P R R R R R R R R R R R R R R R	MATRIX CODE	SAMPLE TYPE G+GRAB C=COMP	COLLECT COMPOSITE START OPPO		SAMPLE TEMP AT COLLECTION	#OF CONTAINERS	htmeserved SO4		Servativ HOS	la ₂ 5,0 ₃ 38 Aethanol	Requeste Analysis:		and the second s	to the second					 	ace P
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		MW-2(R)-1(WT		<u> </u>	14:40		7	2	11	3 1			3	2 1	$\left \cdot \right $	+	-				
		<u>MW-5R(R)-1</u> MW-8R-10			WT WT	1		11:20		. /.	2		3 1			3	2 1 2 1		╉╋					
3		MW-8R-MS-			WT			11:20		7	2		3 1			3	2 1		+					
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5 6	······	MW-9-102			WT	1	•	19:970	10:		2		3 1			3	2 1	-+-	$\uparrow \uparrow$	+				
7		MW-10R-102			WT			0940	<u> </u>	7	2		3 1		1	3	2 1							
8		MW-11-10			WT	1		13:30		7	2	+ +	3 1			3	2 1						·	
0		MW-12R-10			WT			12.35		7	2		3 1			3	2 1			\uparrow				
10		MW-14R-10			WT			11:15	<u> </u>	7	2	1	3 1			3	2 1							
11		MW-15-10			wr			14:45		7	2	1	3 1			3	2 1							
12		MW-15RS-1	020		wr	G		13:50		7	2	1	3 1			з	2 1							
13		MW-17R-10	20		wτ	G		10:15		7	2	1	3 1			3	2 1							
14		MW-19R-10	20		WT	G		13:00		7	2	1	3 1			3	2 1							
15		MW-20R-10	20		WT	G		12:10		7	2	1	3 1			3	2 1							
16		FD-1020			WT	G	4	109.73		.7	2	1	3 1			3	2 1							
17		Trip Blank	s		wτ		l.	15:00		2			3			3								
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Appendix C – Data Usability Summary Report



Groundwater & Environmental Services, Inc.

708 North Main Street, Suite 201 Blacksburg, VA 24060

T. 800.662.5067

August 13, 2020

Devin Shay Groundwater & Environmental Services, Syracuse 5 Technology Place, Suite 4 East Syracuse, NY 13057

RE: Data Usability Summary Report for National Grid - Ogdensburg: Data Packages Pace Analytical Job No. **30372824**

Review has been completed for the data packages generated by Pace Analytical that pertain to monitoring well samples collected during the July 2020 sampling event at the National Grid Ogdensburg site. Thirteen aqueous samples, a trip blank and a field duplicate were collected from the main site. These samples were processed for volatile organic compounds benzene, toluene, ethylbenzene and xylenes (BTEX), cyanide and polynuclear aromatic hydrocarbons (PAHs). One trip blank was analyzed for volatiles with the samples. The trip blank is used to determine if there is BTEX contamination caused by transporting the samples.

Analytical methodologies are those of the USEPA with additional requirements of the NYSDEC ASP.

Complete NYSDEC Category B deliverables were included in the laboratory data package and all information required for validation of the data is present. This usability report is generated from review of the summary form information, and review of associated QC raw data. The reported summary forms have been reviewed for application of validation qualifiers, using guidance from the National Grid generic QAPP, USEPA Region 2 validation SOPs, the USEPA National Functional Guidelines for Data Review, and professional judgment, as affects the usability of the data. The following items were reviewed:

- Laboratory Narrative Discussion
- Custody Documentation
- Holding Times
- Surrogate and Internal Standard Recoveries
- Matrix Spike Recoveries/Duplicate (MS/MSD) Correlations
- Field Duplicate Correlations
- Laboratory Control Sample (LCS)
- Preparation/Calibration Blanks
- Calibration/Low Level Standard Responses
- Instrumental Tunes
- Instrument MDLs
- Sample Quantitation and Identification

All of the items were determined to be acceptable for the DUSR level review. In summary, sample results are usable.



The laboratory case narratives and sample identification summary forms are attached to this text, and should be reviewed in conjunction with this report.

BTEX and TCL Volatiles by EPA 8260C/NYSDEC ASP

Sample holding times for groundwater and instrumental tune fragmentations are within acceptance ranges. Surrogate and internal standard recoveries are within required limits. Calibrations standards show acceptable responses within analytical protocol and validation action limits. An MS/MSD was analyzed using **MW-8R** as the matrix. All QC elements fell within project criteria. The blind field duplicate correlations of **MW-10R** were within the project specification of $\leq 25\%$.

PAHs by EPA8270D/NYSDEC ASP

Holding times were met. Instrumental tune fragmentations are within acceptance ranges. Blanks no above RL concentrations, with the exception of low concentrations of 2-methylnaphthalene and naphthalene in the method blank. Sample locations that reported positively detected concentrations less than 5x the concentration in the blank cannot be attributed to the sampling location, and must be qualified as unreliable/unusable. This occurred in the following samples:

- MW-11, MW-14R, MW15RS, MW-20R for both naphthalene and 2-methylnaphthalene
- MW-17R, MW-19R for naphthalene only

Calibration standards, both initial and continuing, show acceptable responses within analytical method protocols and validation guidelines. that Benzo(b)fluoranthene and benzo(k)fluoranthene were separated in the check standard but did not meet the resolution criteria in SW846 Method 8270D. Although sample results included are reported as individual isomers, the lab and the customer must recognize them as an isomeric pair, and the results cannot be considered accurate for the following samples:

- FD-0720 (Lab ID: 30372824014)
- MW-12R-0720 (Lab ID: 30372824007)
- MW-5R(R)-0720 (Lab ID: 30372824002)

The field duplicate (FD) was collected at location MW-10R. Whereas the original sample at MW-10R was quantitated with sufficient resolution, the FD sample does not require qualification, as it agrees with the concentrations in the original sample. MW-12R and MW-5R are qualified as estimated non-detect.

The laboratory control spike recoveries and precision indicate the method is within laboratory control. Matrix spike and matrix spike recoveries were within laboratory specified criteria, with the exception of 2-methylnpthalene and fluorene. The original concentrations of these two analytes were > 4x the spiking concentrations, so accuracy cannot be determined from the spike recovery, and, therefore, no qualifications were required. The blind field duplicate correlations of **MW-10R** were within project specification of RPD $\leq 25\%$.

Surrogate Terphenyl d-14 was low for sample MW-15.

1 Data Package Completeness

Complete NYSDEC Category B deliverables were included in the laboratory data package, all information required for validation of the data is present.

Please do not hesitate to contact me if you have comments or questions regarding this report.

Data Usability Report National Grid Saratoga Springs – July 2020 Excelsior Site Sincerely,



Janowick >

Bonnie Janowiak, Ph.D. Senior Chemist



Pace Analytical Services, LLC 1638 Roseytown Road - Suites 2,3,4 Greensburg, PA 15601 (724)850-5600

SAMPLE SUMMARY

Project: National Grid - Ogdensburg Kin

Pace Project No.: 3

30372824

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30372824001	MW-2(R)-0720	Water	07/14/20 11:00	07/16/20 09:30
30372824002	MW-5R(R)-0720	Water	07/14/20 10:10	07/16/20 09:30
30372824003	MW-8R-0720	Water	07/14/20 10:00	07/16/20 09:30
30372824004	MW-9-0720	Water	07/14/20 14:30	07/16/20 09:30
30372824005	MW-10R-0720	Water	07/14/20 13:40	07/16/20 09:30
30372824006	MW-11-0720	Water	07/14/20 12:00	07/16/20 09:30
30372824007	MW-12R-0720	Water	07/14/20 12:50	07/16/20 09:30
30372824008	MW-14R-0720	Water	07/14/20 11:30	07/16/20 09:30
30372824009	MW-15-0720	Water	07/14/20 13:40	07/16/20 09:30
30372824010	MW-15RS-0720	Water	07/14/20 14:25	07/16/20 09:30
30372824011	MW-17R-0720	Water	07/14/20 10:45	07/16/20 09:30
30372824012	MW-19R-0720	Water	07/14/20 13:00	07/16/20 09:30
30372824013	MW-20R-0720	Water	07/14/20 12:15	07/16/20 09:30
30372824014	FD-0720	Water	07/14/20 00:01	07/16/20 09:30
30372824015	Trip Blanks	Water	07/14/20 00:01	07/16/20 09:30

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, LLC.



Project: National Grid - Ogdensburg Kin

Pace Project No.: 30372824

Method:EPA 8270D by SIMDescription:8270D PAH SIM Reduced VolumeClient:Groundwater & Environmental Services, Inc. (Syracuse)Date:July 28, 2020

General Information:

14 samples were analyzed for EPA 8270D by SIM by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

ip: Benzo(b)fluoranthene and benzo(k)fluoranthene were separated in the check standard but did not meet the resolution criteria in SW846 Method 8270D. Whereas sample results included are reported as individual isomers, the lab and the customer must recognize them as an isomeric pair.

- FD-0720 (Lab ID: 30372824014)
- MW-12R-0720 (Lab ID: 30372824007)
- MW-5R(R)-0720 (Lab ID: 30372824002)

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3510C with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

QC Batch: 405747

- SR: Surrogate recovery was below laboratory control limits. Results may be biased low.
 - MW-15-0720 (Lab ID: 30372824009)
 - Terphenyl-d14 (S)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

QC Batch: 405747

- B: Analyte was detected in the associated method blank.
 - BLANK for HBN 405747 [OEXT/416 (Lab ID: 1963756)
 - 2-Methylnaphthalene
 - Naphthalene

REPORT OF LABORATORY ANALYSIS

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Project: National Grid - Ogdensburg Kin

Pace Project No.: 30372824

Method: EPA 8270D by SIM

Description:8270D PAH SIM Reduced VolumeClient:Groundwater & Environmental Services, Inc. (Syracuse)Date:July 28, 2020

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 405747

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 30372824003

ML: Matrix spike recovery and/or matrix spike duplicate recovery was below laboratory control limits. Result may be biased low.

- MS (Lab ID: 1963758)
 - 2-Methylnaphthalene
- MSD (Lab ID: 1963759)
 - Fluorene

Additional Comments:

Analyte Comments:

QC Batch: 405747

1c: This sample was re-extracted past the method required holding time. Surrogate recovery in the re-extract was acceptable and the re-extract results were comparable to the original results. The original, in hold, results are reported.

- MW-15-0720 (Lab ID: 30372824009)
 - Terphenyl-d14 (S)



Project: National Grid - Ogdensburg Kin

Pace Project No.: 30372824

Method: EPA 8260C

Description:8260C MSVClient:Groundwater & Environmental Services, Inc. (Syracuse)Date:July 28, 2020

General Information:

15 samples were analyzed for EPA 8260C by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 406825

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, LLC.



Project: National Grid - Ogdensburg Kin

Pace Project No.: 30372824

Method: EPA 9012B

Description:9012B Cyanide, TotalClient:Groundwater & Environmental Services, Inc. (Syracuse)Date:July 28, 2020

General Information:

14 samples were analyzed for EPA 9012B by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 9012B with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.



Groundwater & Environmental Services, Inc.

708 North Main Street, Suite 201 Blacksburg, VA 24060

T. 800.662.5067

December 14, 2020

Devin Shay Groundwater & Environmental Services, Syracuse 5 Technology Place, Suite 4 East Syracuse, NY 13057

RE: Data Usability Summary Report for National Grid - Ogdensburg: Data Packages Pace Analytical Job No. **30372824**

Review has been completed for the data packages generated by Pace Analytical that pertain to monitoring well samples collected during the July 2020 sampling event at the National Grid Ogdensburg site. Twelve aqueous samples, a trip blank and a field duplicate were collected from the main site. These samples were processed for volatile organic compounds benzene, toluene, ethylbenzene and xylenes (BTEX), cyanide and polycyclic aromatic hydrocarbons (PAHs). One trip blank was analyzed for volatiles with the samples. The trip blank is used to determine if there is BTEX contamination caused by transporting the samples.

Analytical methodologies are those of the USEPA with additional requirements of the NYSDEC ASP.

Complete NYSDEC Category B deliverables were included in the laboratory data package and all information required for validation of the data is present. This usability report is generated from review of the summary form information, and review of associated QC raw data. The reported summary forms have been reviewed for application of validation qualifiers, using guidance from the National Grid generic QAPP, USEPA Region 2 validation SOPs, the USEPA National Functional Guidelines for Data Review, and professional judgment, as affects the usability of the data. The following items were reviewed:

- Laboratory Narrative Discussion
- Custody Documentation
- Holding Times
- Surrogate and Internal Standard Recoveries
- Matrix Spike Recoveries/Duplicate (MS/MSD) Correlations
- Field Duplicate Correlations
- Laboratory Control Sample (LCS)
- Preparation/Calibration Blanks
- Calibration/Low Level Standard Responses
- Instrumental Tunes
- Sample Quantitation and Identification

All of the items were determined to be acceptable for the DUSR level review. In summary, sample results are usable.

The laboratory case narratives and sample identification summary forms are attached to this text, and should be reviewed in conjunction with this report.

BTEX and TCL Volatiles by EPA 8260C/NYSDEC ASP

Sample holding times for groundwater and instrumental tune fragmentations are within acceptance ranges. Surrogate and internal standard recoveries are within required limits. Calibrations standards show acceptable responses within analytical protocol and validation action limits. An MS/MSD was analyzed using **MW-8R** as the matrix. All QC elements fell within project criteria. The blind field duplicate correlations of **MW-10R** were within the project specification of $\leq 25\%$.

Cvanide by EPA 9012A/NYDESC ASP

Holding times were met. Blanks show no contamination. Calibration standards, both initial and continuing, show acceptable responses within analytical method protocols and validation guidelines.

The laboratory control spike recoveries and precision indicate the method is within laboratory control. An MS/MSDs were analyzed using MW-2R. The original concentration was > 4x that of the spike, so the out-of-specification recovery does not indicate an issue with method efficacy. The blind field duplicate correlations of **MW-10R** were within project criteria. No data was qualified.

PAHs by EPA8270D/NYSDEC ASP

Holding times were met. Instrumental tune fragmentations are within acceptance ranges. Blanks no above RL concentrations, with the exception of low concentrations of naphthalene in the method blank. Sample locations that reported positively detected concentrations less than 5x the concentration in the blank cannot be attributed to the sampling location, and must be qualified as unreliable/unusable. This occurred in the following samples:

• MW-11. MW15, MW-17R, MW-19R, and MW-20R

Surrogates were within specification for all samples. Calibration standards, both initial and continuing, show acceptable responses within analytical method protocols and validation guidelines.

The laboratory control spike recoveries and precision indicate the method is within laboratory control. Matrix spike and matrix spike recoveries were within laboratory specified criteria. The blind field duplicate correlations of **MW-10R** were within project specification of RPD \leq 25%.

1 Data Package Completeness

Complete NYSDEC Category B deliverables were included in the laboratory data package, all information required for validation of the data is present.

Please do not hesitate to contact me if you have comments or questions regarding this report.

Sincerely,

antwick >

Bonnie Janowiak, Ph.D. Senior Chemist, NRCC Certified



Pace Analytical Services, LLC 1638 Roseytown Road - Suites 2,3,4 Greensburg, PA 15601 (724)850-5600

SAMPLE SUMMARY

Project: National Grid - Ogdensburg Kin

Pace Project No.:

30385450

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30385450001	MW-2(R)-1020	Water	10/01/20 13:55	10/03/20 09:45
30385450002	MW-5(R)-1020	Water	10/01/20 14:40	10/03/20 09:45
30385450003	MW-8R-1020	Water	10/01/20 11:20	10/03/20 09:45
30385450004	MW-8R-MS-1020	Water	10/01/20 11:20	10/03/20 09:45
30385450005	MW-8R-MSD-1020	Water	10/01/20 11:20	10/03/20 09:45
30385450006	MW-9-1020	Water	10/01/20 10:10	10/03/20 09:45
30385450007	MW-10R-1020	Water	10/01/20 09:40	10/03/20 09:45
30385450008	MW-11-1020	Water	10/01/20 13:30	10/03/20 09:45
30385450009	MW-12R-1020	Water	10/01/20 12:35	10/03/20 09:45
30385450010	MW-14R-1020	Water	10/01/20 11:15	10/03/20 09:45
30385450011	MW-15-1020	Water	10/01/20 14:45	10/03/20 09:45
30385450012	MW-15RS-1020	Water	10/01/20 13:50	10/03/20 09:45
30385450013	MW-17R-1020	Water	10/01/20 10:15	10/03/20 09:45
30385450014	MW-19R-1020	Water	10/01/20 13:00	10/03/20 09:45
30385450015	MW-20R-1020	Water	10/01/20 12:10	10/03/20 09:45
30385450016	FD-1020	Water	10/01/20 09:40	10/03/20 09:45
30385450017	TRIP BLANKS	Water	10/01/20 15:00	10/03/20 09:45



Project: National Grid - Ogdensburg Kin

Pace Project No.: 30385450

Method: EPA 8270D by SIM

Description:8270D PAH SIM Reduced VolumeClient:Groundwater & Environmental Services, Inc. (Syracuse)Date:October 13, 2020

General Information:

16 samples were analyzed for EPA 8270D by SIM by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3510C with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

QC Batch: 417519

- B: Analyte was detected in the associated method blank.
 - BLANK for HBN 417519 [OEXT/422 (Lab ID: 2018572)
 - Naphthalene

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 417519

- A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 30385450003
 - MH: Matrix spike recovery and/or matrix spike duplicate recovery was above laboratory control limits. Result may be biased high.
 - MSD (Lab ID: 2018575)
 - Acenaphthylene

Additional Comments:



Project: National Grid - Ogdensburg Kin

Pace Project No.: 30385450

Method: EPA 8260C

Description:8260C MSVClient:Groundwater & Environmental Services, Inc. (Syracuse)Date:October 13, 2020

General Information:

17 samples were analyzed for EPA 8260C by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:



Project: National Grid - Ogdensburg Kin

Pace Project No.: 30385450

Method: EPA 9012B

Description:9012B Cyanide, TotalClient:Groundwater & Environmental Services, Inc. (Syracuse)Date:October 13, 2020

General Information:

16 samples were analyzed for EPA 9012B by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 9012B with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 417172

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 30385450001,30385450003

- MH: Matrix spike recovery and/or matrix spike duplicate recovery was above laboratory control limits. Result may be biased high. • MS (Lab ID: 2016972)
 - Cvanide
 - MSD (Lab ID: 2016973)
 - Cyanide

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.