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January 24, 2014

Mr. David Szymanski
Project Manager
New York State Department of Environmental Conservation
Division of Environmental Remediation
270 Michigan Avenue – 3rd Floor
Buffalo, New York 14203

RE: 2013 Periodic Review Report
Mineral Springs Road Former Manufactured Gas Plant Site

Dear Mr. Szymanski:

National Fuel Gas Distribution Corporation (NFG) completed construction on the remedial action for the Mineral Springs Road Former Manufactured Gas Plant (MGP) Site (Site) in 2001. Since then, NFG has performed operations and maintenance (O&M) activities for the remedy in accordance with the Final Engineering Report, Volume II – Operations and Maintenance (O&M) Plan, dated May 2002 (O&M Plan) for the project. Those activities have included preparation of annual O&M Reports, which have been submitted since 2002. Because of changes in NYSDEC reporting requirements, AECOM has prepared this Periodic Review Report (PRR) on behalf of NFG rather than an O&M Report to meet the reporting requirements of the O&M Plan.

1. Introduction

The Former MGP was constructed in the early 1920s and operated until the 1960s. Coal and oil gasification wastes, specifically coal tar hydrocarbons and blue-stained purifier residuals, were generated during plant operation. Investigations were performed between 1990 and 1998 to evaluate environmental conditions at the site. Those investigations identified impacts to soil and groundwater by MGP residues, including organic constituents, dense non-aqueous phase liquids (DNAPL), and cyanide. Remedial activities including excavation, capping, DNAPL recovery, and institutional controls have been performed since 1997 to address these impacts.

This PRR presents and evaluates the results of annual O&M activities performed at the Site from October 2012 to October 2013, and analytical data from 2001 (remedial action completion) through 2013. The annual O&M activities include annual inspections, groundwater and surface water monitoring, and maintenance and repair of engineering controls. Data collected during performance of these activities and an evaluation of the remedy effectiveness is presented below.

The results of the effectiveness evaluation show that the remedial action has been operated in accordance with the provisions of the O&M Plan and that engineering and institutional controls remain intact and effective except as noted. The annual site inspection indicated there were a few locations where maintenance issues needed to be addressed. These maintenance issues have since been addressed and repaired as necessary.

On the western site boundary and southwestern corner, new perimeter fencing was installed during security upgrades. As a result, soil potentially impacted by purifier waste was present outside of the new perimeter fence. A Corrective Measures Work Plan (CMWP) was submitted to the State on September 26, 2013 and approved on October 1, 2013. AECOM submitted two CMWP Addenda dated November 1, 2013 and November 6, 2013. These addenda added residential surface sampling to the scope of work, and changed the design from a drainage ditch to a clay berm and swale. Corrective measures were implemented from November 4, 2013 to November 15, 2013. The corrective measures will be summarized in a completion report submitted under separate cover.

2. Site Overview

The Site lies in a flat, mixed industrial and residential area of West Seneca (and Buffalo), New York. The Site is an active NFG service center. Figure 1 shows the facility layout.

The stratigraphy of the site consists of 4- to 8-feet of soil and fill, approximately 10-feet of a nearly continuous upper confining clay layer (UCL), 10- to 15-feet of groundwater bearing silt, sand, and gravel, a lower confining clay layer (LCL), and bedrock. Overburden groundwater is typically encountered 5- to 12-feet below ground surface and fluctuates seasonally approximately 2 feet. Overburden groundwater flow is generally to the northwest towards Mineral Springs Road, Calais Street, and the Buffalo River. Average overburden groundwater velocity across the site is calculated to be approximately 0.06 feet per day.

In 1990 and 1995, investigations and soil remediation activities were performed near an oil-water separator pit in the central area of the site. In 1997 and 1998, a Preliminary Site Assessment (PSA) and a follow-up PSA Addendum were conducted. The assessments concluded that soil and groundwater at the site were impacted by MGP residues including dense non-aqueous phase liquids (DNAPL) and cyanide.

An interim remedial measure (IRM) was conducted at the Site in December 1997. During the IRM, 407 tons of purifier residuals were removed from the southwest corner of the site. On August 4, 1998 NFG submitted a Voluntary Cleanup Agreement (VCA) program application. VCA number B9-0538-98-08 was signed by NFG on June 2, 1999 and by NYSDEC on November 7, 1999. A Remedial Design Work Plan was subsequently developed by NFG and NYSDEC. From May 2000 to June 2001, the Remedial Design Work Plan was implemented and the following remedial tasks were completed:

- Excavation and offsite disposal of 32,200 tons of contaminated soil, rubble, and purifier waste.
- Construction of engineering controls including 39,369 square feet of clay cap, 76,144 square feet of geomembrane and 130,890 square feet of asphalt cap over areas where purifier waste was located.
- Capping of hydrocarbon seeps within the Eastern Drainage Ditch (EDD), including construction of 640 linear feet of geosynthetic cap and 750 linear feet of clay cap.
- Installation of additional chain link security fence around the site perimeter.
- Implementation of site use and deed restrictions.
- Collection, treatment, and disposal of 207,000 gallons of contaminated groundwater.

During the annual site inspection in April 2007, NFG identified a faint blue stain in surface gravel near Building 8. In July 2007, a soil investigation in the area identified a subsurface lens of bluish stained soils. Based on the results of the investigation, an IRM Work Plan was prepared describing an IRM to address the stained soil. The IRM Work Plan was submitted to NYSDEC in November 2008. The scope of the IRM included installation of a 24,000 square foot asphalt cap immediately to the east of the existing Building 3 East Asphalt Cap (B3EAC). Work to install the new cap took place in June and July 2008. The new cap is designated as the Building 8 West Asphalt Cap (B8WAC), as shown on Figure 1.

3. 2013 Site Activities

In June 2013, as part of security upgrades at the facility, new perimeter chain-link fencing was installed along the western site boundary and southwestern corner. During this work, suspected purifier box wastes were encountered. Following observation of stained soils, NFG inspected the fence line and identified areas of concern where impacts are visible outside the new fence line. A CMWP was submitted to the State to address these areas. The corrective measures were implemented and will be summarized in a completion report submitted under separate cover. The corrective measures included excavating and capping impacted soils, installing a swale and berm, and installing additional perimeter fencing. The results of confirmatory and residential soil samples collected during the corrective measure have been submitted to the NYSDEC.

A geotechnical and environmental investigation was performed March 22, 3013, as part of an expansion of the compressed natural gas (CNG) fueling station. Six geotechnical and environmental soil borings were advanced within the foot print of the expansion. No MGP-related impacts were observed in the soil borings. New utility trenches for the CNG expansion were excavated in September and October 2013. These excavations were monitored for the presence of MGP-related impacts through visual observations and PID screening. No impacts were observed in these excavations. The locations of these utility excavations are shown on Figure 2. The building permit and the site plan waiver for the utility trenches are included in Appendix E.

NFG is planning a small addition to the north side of Building 5. The planned location is shown on Figure 1. The existing building is built over a former gas holder concrete pad. The holder pad is located approximately two to three feet below ground surface and is approximately one foot thick. The new addition is anticipated to extend beyond the edges of the concrete holder pad. The proposed building will be a one-story metal building system with slab on grade construction. In anticipation of the construction, three geotechnical borings were advanced in the planned foundation area. The soil from these borings were monitored for visual and olfactory impacts. Additionally, soil was screened for volatile organic compounds (VOCs) using a photoionization detector (PID). No MGP-related impacts were observed in the borings.

4. Evaluation of Remedy Performance, Effectiveness, and Protectiveness

The objectives of the remedial action performed at the Site include the following:

- Preventing human contact with compounds of concern (COC) in purifier waste, soil, and sediment.
- Preventing human contact or ingestion of COC in groundwater.

- Preventing leaching of COC from purifier waste to groundwater.
- Preventing leaching of COC from coal tar impacted soil to surface water.

Preventing human contact with COC was addressed by: excavating soil and purifier waste; capping areas where purifier waste was left in place; capping coal tar residues in the EDD; and, implementing institutional controls to limit site use, prevent use of groundwater, and provide protection for excavation workers. The effectiveness of the remedial action in meeting these objectives is evaluated by performing an annual inspection to verify that engineering controls remain intact and that site use has not changed. The results of this year's inspection, described in the next section, identified routine maintenance issues which have been addressed. Following fence relocation, soils impacted by purifier waste were present outside of the perimeter fence on the western and southwestern site boundaries. Corrective measures have been implemented to remove and contain remaining residuals. A completion report will be submitted under separate cover. Other than the identified issues, the caps remain in place and are intact and the remedy is effective and protective.

Preventing leaching of COC to groundwater and surface water was addressed by: excavating soil and purifier waste; capping areas where purifier waste was left in place; capping coal tar residues in the EDD; and, removing DNAPL. The effectiveness of the remedial action in meeting these objectives is evaluated by performing an annual inspection and by implementing a groundwater and surface water monitoring program. As described above, the site inspection found that overall engineering controls remain intact and effective, and NFG is working to address the identified issues.

In January 1998, NFG performed a soil gas survey to evaluate potential exposures to workers inside buildings at the Site. The report concluded that the results did not indicate a significant potential for exposure by site workers to excessive concentrations of airborne constituents resulting from soil gas migration into occupied building spaces.

Analytical Results and Conclusions

In 2013, groundwater monitoring was performed at the Site in April and August in accordance with the 2002 O&M Plan. An evaluation of the groundwater and surface water monitoring results from data collected during the 2013 sampling events is presented in the following sections. The analytical data is compared to the NYSDEC Technical Operational and Guidance Series (TOGS) 1.1.1, Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations (June 1998). Details of the results of these monitoring events are presented in the April 2013 and August 2013 Groundwater and Surface Water Monitoring Reports, submitted to NYSDEC May 2013 and October 2013, respectively.

Figures 3 and 4 provide groundwater contours indicating the direction of groundwater flow at the Site for April 2013 and August 2013, respectively. Appendix A presents the 2013 surface water and groundwater analytical results, as well as historic data from 1995 through 2012. These figures and data provide the basis for the following evaluation sections.

Upgradient Site Perimeter

Upgradient Monitoring well MW-17 is located in the southeast corner of the Site. This well is sampled for benzene, ethylbenzene, toluene, and xylene (BTEX); polycyclic aromatic hydrocarbons (PAHs); and total and free cyanide to monitor upgradient groundwater quality. Total cyanide was

detected at a concentration of 160 µg/L in April and 98 µg/L in August, both below the NYSDEC Groundwater Standard value of 200 µg/L. Free cyanide was detected at a concentration of 1.2 J µg/L in April and was not detected in August.

No BTEX compounds were detected in 2013. Naphthalene was detected during the August sampling event at a concentration of 0.75 micrograms per liter (µg/L), below the NYSDEC Groundwater Standard value of10 µg/L. No PAHs were detected during the April event.

Downgradient Site Perimeter

Six “sentinel” wells monitor groundwater quality downgradient of the Site remedial actions. These wells include MW-13, MW-14, MW-22 and MW-23 located just inside the northern property boundary near Mineral Springs Road and MW-20 and MW-21 located downgradient of the western Site boundary on Calais Street. The groundwater samples from these six wells are analyzed semi-annually for total and free cyanide. Monitoring wells MW-13 and MW-23 are also sampled once annually for BTEX and PAHs during the August sampling event.

All of the six wells in August and five of the six wells in April had total cyanide concentrations above the NYSDEC Groundwater Standard of 200 µg/L. Detected concentrations ranged from 390 µg/L at MW-20 to 780 µg/L at MW-23 in August and 490 µg/L at MW-21 to 1,100 µg/L at MW-22 in April. Free cyanide was detected in three wells at concentrations ranging from 5.7 J- to 14.1 µg/L in August and 0.74 J to 9.2 µg/L in April. There is no NYSDEC Groundwater Standard for free cyanide. Naphthalene was detected at a concentration of 1.2 µg/L in well MW-23, below the groundwater standard of 10 µg/L. Benzene was detected at a concentration of 2.8 µg/L in well MW-13, above the groundwater standard of 1 µg/L. Out of the BTEX compounds, benzene is regularly detected in MW-13 and ethylbenzene has been detected once out of the last 7 sampling events.

On-site Purifier Residuals Impacted Areas

Wells MW-12 and MW-16 monitor groundwater quality at the Eastern Swale HDPE Cap (ESHC) and the Clay Cap (CC), respectively. These are locations of known subsurface deposits of purifier box residuals. These deposits were remediated by capping. Samples from these two wells are analyzed for total and free cyanide.

Both wells had a total cyanide groundwater concentration above the NYSDEC Groundwater Standard of 200 µg/L. Total cyanide concentrations were reported as 530 µg/L at MW-12 and 880 µg/L at MW-16 in April and 540 µg/L at MW-12 and 740 µg/L at MW-16 in August. Free cyanide was detected in MW-12 at 10 µg/L and in MW-16 at 32 J µg/L in April and MW-12 at 13.9 J- µg/L and in MW-16 at 9.5 J- µg/L in August. There is no NYSDEC Groundwater Standard for free cyanide.

On-site Hydrocarbon Impacted Areas

Monitoring wells MW-7, MW-10, MW-11A, and MW-19 monitor on-site groundwater quality downgradient of subsurface soils impacted with hydrocarbon NAPL. Wells MW-07, MW-10 are downgradient of the Separator Pits Excavation (SPE); well MW-11A is adjacent to the drainage ditch cap; and well MW-19 is downgradient of the Northern and Eastern Tar Boils Excavations. Samples from these wells are analyzed for BTEX and PAH compounds.

BTEX compounds were detected above NYSDEC Groundwater Standards in MW-7, MW-11A, and MW-19 in both April and August. BTEX compounds were not detected at MW-10 except for

ethylbenzene at a concentration of 1.0 µg/L in August; lower than the NYSDEC Groundwater Standards of 5 µg/L.

PAHs were detected above NYSDEC Groundwater Standards in MW-7 and MW-19 during both sampling events. PAHs were detected in MW-11A during both events and MW-10 in August at concentrations below NYSDEC Groundwater Standards.

Surface Water

Two surface water samples, SW-01 and SW-02, are collected from the NYSDEC Class D Stream running along the south side of the site. Sample SW-01 is collected near the Calais Street storm sewer inlet) to monitor concentrations of COC in surface water downgradient of the Site. Sample SW-02 is collected at the EDD near the Class D Stream to monitor surface water downgradient of the EDD Cap. Surface water samples are analyzed total and free cyanide, BTEX and PAH.

Total cyanide was detected in SW-01 at a concentration of 14 µg/L and in SW-02 at a concentration of 95 µg/L in April, below the NYSDEC Class D Stream Standard of 9,000 µg/L. Total cyanide was not detected in either sample during the August sampling event. In April, free cyanide was detected in SW-01 at 2.5 J µg/L, below the NYSDEC Class D Stream Standard of 22 µg/L and was detected in SW-02 at 26 J µg/L, above the standard. In August, free cyanide was detected in SW-02 at 0.76J µg/L, below the standard, and not detected in SW-01. No BTEX or PAH compounds were detected in the surface water samples collected during 2013.

Conclusions

NYSDEC and NYSDOH have requested an evaluation of whether the groundwater remedial action for the site has been effective. AECOM is currently preparing an evaluation of present and historic groundwater data to address NYSDEC and NYSDOH concerns. Results of this evaluation will be submitted under separate cover following completion of the analysis.

5. O&M Plan Compliance Report

The components of the O&M program for the Mineral Springs Site are established in the 2002 O&M Plan. These include groundwater and surface water monitoring, DNAPL recovery, annual inspections, maintenance and repair of engineering controls, and reporting. Details of this program are described in the O&M Plan and summarized in Table 1. Table 2, taken from the O&M Plan (with updated information), summarizes the groundwater and surface water monitoring program. O&M activities completed since the last PRR (dated November 2012) include the following:

- The annual site inspection was performed on April 26, 2013.
- Two groundwater and surface water monitoring rounds performed on April 23 and 24, 2013 and August 13, 2013.
- Continued evaluation of the DNAPL recovery system and removal of approximately 0.5 gallon (1 gallon total) of water containing trace (less than 1%) DNAPL blebs in April 2013 and August 2013.
- Submittal of the Groundwater and Surface Water Monitoring Reports for the monitoring events performed in April and August 2013.

- Performance of maintenance activities to address issues identified during the annual inspection.
- As discussed previously, soils impacted by purifier waste were present outside of the perimeter fence on the western and southwestern site boundaries. Corrective measures were implemented to address these issues. A completion report will be submitted under separate cover.
- Utility excavations for the CNG expansion were carried out and monitored for the presence of MGP residuals. No MGP-related impacts were observed.
- An environmental/geotechnical investigation was performed for planned renovations to Building 5. Soils were monitored for the presence of MGP residuals. No MGP-related impacts were observed.

During the April 2013 annual inspection, observations of site conditions were recorded. The inspection checklist is included as Appendix B. Photographs taken during the inspection are included in Appendix C. An Institutional and Engineering Controls Certification Form is attached in Appendix D. NFG is not able to certify that the perimeter fence is currently effective in preventing exposures until the Corrective Measures Completion Report has been submitted and approved by the NYSDEC.

Annual Site Inspection

Clay Caps

Clay caps, designated CC on Figure 1, are located southeast of Building 14 and in the Eastern Drainage Ditch north of the northern culvert and south of the southern culvert, designated EDD.

The clay cap southeast of Building 14 has been mowed periodically to prevent tree growth. No blue-stained soils were observed during the inspection. The surface of the cap was intact and no sink holes or animal burrows were observed.

In the clay-capped sections of the EDD, no erosion, animal burrows, or hydrocarbon sheen were observed. Warning signs were in place and no woody plants were observed near the clay portion of the cap.

Geomembrane Caps

Geomembrane caps, constructed of 40-mil high density polyethylene (HDPE) and soil or stone cover, are located in the Eastern Swale and in the EDD between the culverts. These caps are designated ESHC and EDD cap, respectively.

The ESHC has been mowed periodically. No plastic or geofabric, rutting, animal burrows, or blue-stained surface soil were visible. Minor debris and plywood was observed on the cap, which has since been removed.

The EDD cap includes an 18-inch diameter HDPE surface water drain pipe. There was no erosion, animal burrows, deep-rooted perennial plant species, or hydrocarbon sheen observed. The “no dig” signage was in place.

Asphalt Caps

Asphalt caps are located south and east of Building 3, designated B3SAC and B3EAC respectively; north and south of the Eastern Swale, designated ESNAC and ESSAC; and west of Building 8, designated B8WAC. All caps except for B3SAC and ESNAC were observed to be intact with no significant cracking.

On the Building 3 South Asphalt Cap (B3SAC), the seals on previously repaired cracks appeared to be disturbed, and the joints between the new and old asphalt are not sealed. On the Eastern Swale North Asphalt Cap (ESNAC), minor cracks which were previously repaired have reopened. Since the site inspection, the cracks and seals have all been repaired.

Other Areas

Throughout the remainder of the site, no tar boils or blue-stained soils were observed. No hydrocarbon sheens were observed in the Class D Stream or the EDD. The plastic pipe in the EDD is partially covered. The compacted backfill placed in the various former Tar Boils and Separator Pit excavations has been maintained as necessary to assure run-off control. These areas showed no ponding of surface water. The site perimeter security fence was partially replaced as discussed in Section 2, and corrective measures have been implemented. A completion report will be submitted to the NYSDEC under separate cover.

Groundwater and Surface Water Monitoring

Groundwater and surface water monitoring results for the April 2013 and August 2013 monitoring events are presented in the groundwater and surface water monitoring reports, prepared by AECOM and submitted to NYSDEC in August 2013 and October 2013, respectively. A summary of groundwater and surface water analytical results for the period between August 1995 and August 2013 is tabulated in Appendix A. Sampling locations are shown on Figure 1. Discussions of the 2013 monitoring results for specific areas of the Site have been presented in Section 3 of this report.

Conclusions

Since the last PRR, O&M activities have been performed at the Site as specified in the O&M Plan. The deficiencies identified in the annual inspection have been addressed. NFG has been prompt in making repairs and performing maintenance when significant issues have been identified. The Engineering and Institutional controls are intact and effective, except for the perimeter fence. As discussed previously, corrective measures have been implemented on the western and southwestern site boundaries. NFG is unable to certify that these measures are protective until the completion report is submitted to and approved by the NYSDEC. .

The groundwater monitoring results indicate that there have been changes in groundwater concentrations of organic constituents and cyanide in some wells. Concentrations of cyanide in groundwater in the sentinel wells at the downgradient property boundary remain at concentrations somewhat higher than NYSDEC standards. NYSDEC and NYSDOH have requested an evaluation of whether the groundwater remedial action for the site has been effective. AECOM is currently preparing an evaluation of present and historic groundwater data to address NYSDEC and NYSDOH concerns.

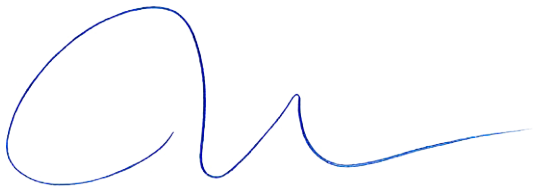
6. Overall PRR Conclusions and Recommendations

As discussed above, the O&M program is being implemented in accordance with the provisions of the Site O&M Plan. The results of the site inspection indicate that engineering and institutional controls remain intact and continue to be effective in meeting remedial objectives.

The results of groundwater and surface water monitoring show that groundwater concentrations have changed since remediation at the site was completed. At the downgradient property boundary, concentrations in two of the five wells have shown a decrease in the concentrations of cyanide. One has shown a decrease in the concentration of BTEX.

A few maintenance issues related to the caps were identified during the April 2013 site inspection, which have since been addressed. Corrective measures were implemented in November 2013, and a completion report will be submitted for approval under separate cover to address the current state of this engineering control. Please do not hesitate to call me with questions at 978-905-2161.

Sincerely yours,



Thomas P. Clark, P.E.
Senior Engineer

cc: B. Walker – NFG
T. Alexander – NFG
S. Messier – NYSDOH (electronic submittal)
T. Raby, AECOM

Tables

Table 1
Operations, Maintenance, and Monitoring Scope of Work
Mineral Springs Former MGP Site

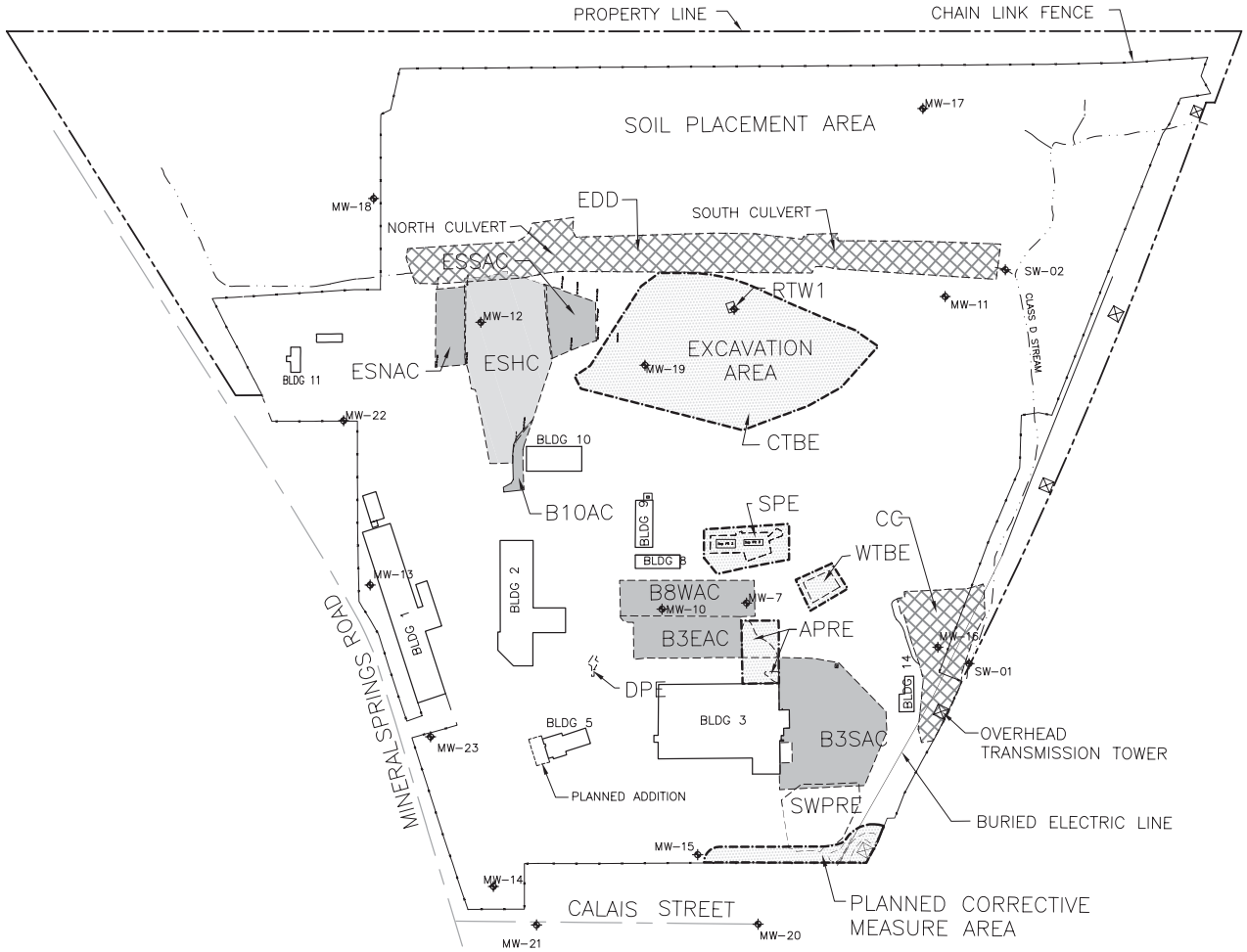
	Frequency	Description	Notes
Groundwater and Surface Water Monitoring	Twice a year	Groundwater and surface water monitoring as specified in Table 2. Monitoring typically takes place in April and August.	Scope in 2002 included monitoring three times a year. The frequency was modified in 2005 with NYSDEC approval.
DNAPL Recovery Test Well	Twice a year	DNAPL recovery from well RTW-1.	Continuous operations of RTW-1 were halted in 2002 with NYSDEC approval since only de minimis amount of DNAPL was being recovered.
Site Inspections	Annual	Inspection of the following: • Clay, geomembrane, and asphalt caps • Ground surface for signs of tar or purifier residues • Fencing • Stream	
Maintenance and Repair	As needed	Activities determined based on inspection results	
Reporting	Twice a year	Groundwater Monitoring Report	
	Annually	O&M Report	As of October 2011, a Periodic Review Report (PRR) is submitted annually to meet current NYSDEC requirements.

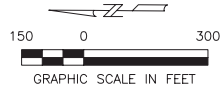
Table 2
Water Sampling Summary Table
Mineral Springs Road MGP Site, 2013

Location	Cyanide, Total USEPA SW846 9012A	Cyanide, Free USEPA SW846 9016	BTEX USEPA SW846 8260B	PAHs USEPA SW846 8270C	Water Elevation	Benchmark Elevation (top of PVC casing)
Upgradient Site Perimeter						
MW-17	x	x	x	x	x	587.28
Downgradient Site Perimeter						
MW-13	x	x	annually	annually	x	591.85
MW-14	x	x			x	589.53
MW-15					x	590.93
MW-20	x	x			x	587.06
MW-21	x	x			x	587.84
MW-22	x	x			x	592.50
MW-23	x	x	annually	annually	x	589.28
Onsite Purifier Residuals Impacted Areas						
MW-12	x	x			x	591.40
MW-16	x	x			x	588.99
Onsite Hydrocarbon Impacted Areas						
MW-07			x	x	x	587.01
MW-10			x	x	x	587.61
MW-11A			x	x	x	589.78
MW-19			x	x	x	589.83
Onsite Surface Water						
SW-01	x	x	x	x	x	top of headwall = 587.0
SW-02	x	x	x	x		
QA/QC Samples (frequency)						
Trip Blank			x			(one per shipment)
Field Duplicate	x	x	x	x		(one per event)
Equipment Blank	x	x	x	x		(one per event)
DNAPL Recovery						
RTW-1						(purge well of accumulated DNAPL)
Total	13	13	10 or 12	9 or 11	15	
Container, Preservative	250 mL plastic, NaOH	250 mL plastic amber, NaOH	40 mL VOA vial, HCl (x3)	250 mL glass amber, NP (x2)		

Note: Sample methods and containers have been updated to the most current information. Benchmark elevations have been updated to reflect the 2007 survey, except for MW-20, which was resurveyed in August 2009 due to a repair.

Figures



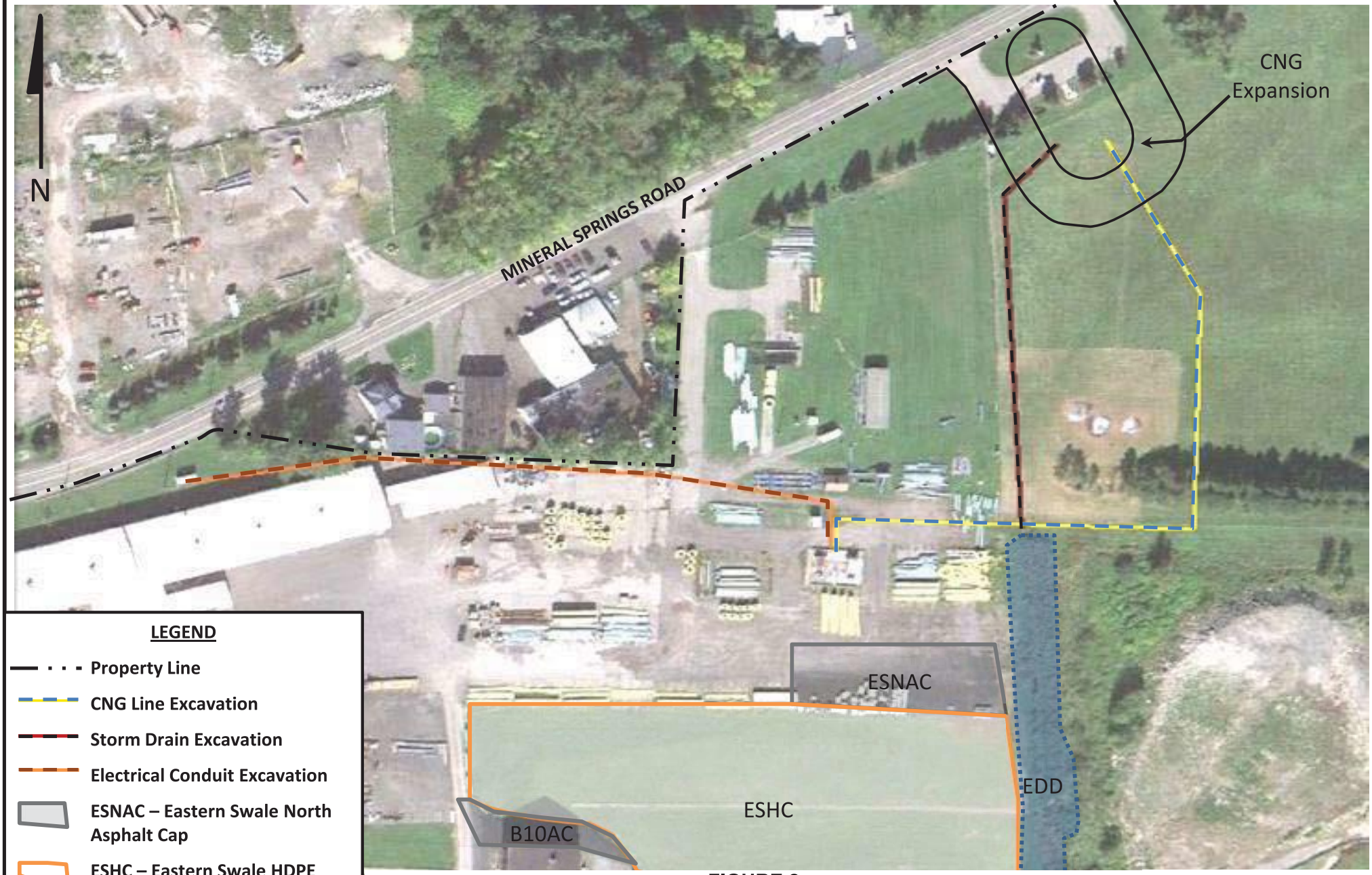


LEGEND

	EXISTING STRUCTURE
	REMEDIAL CONSTRUCTION
	MONITORING WELLS
APRE	ADDITIONAL PURIFIER RESIDUALS EXCAVATION
B3EAC	BUILDING 3 EAST ASPHALT CAP
B3SAC	BUILDING 3 SOUTH ASPHALT CAP
B8WAC	BUILDING 8 WEST ASPHALT CAP
B10AC	BUILDING 10 ASPHALT CAP
CC	CLAY CAP
CTBE	CENTRAL TAR BOILS EXCAVATION
DPE	DIESEL PAD EXCAVATION
EDD	EASTERN DRAINAGE DITCH
ESHC	EASTERN SWALE HDPE CAP
ESNAC	EASTERN SWALE NORTH ASPHALT CAP
ESSAC	EASTERN SWALE SOUTH ASPHALT CAP
ETBE	EASTERN TAR BOILS EXCAVATION
NTBE	NORTHERN TAR BOILS EXCAVATION
RTW1	RECOVERY TEST WELL AND DNAPL SHED
SETLE	SOUTHEASTERN TAR LENSES EXCAVATION
SPE	SEPARATOR PITS EXCAVATION
SWPRE	SOUTHWEST RESIDUALS EXCAVATION
WTBE	WESTERN TAR BOILS EXCAVATION
	CLAY CAP
	ASPHALT CAP
	HDPE CAP
	REMEDIAL CONSTRUCTION

AECOM

MINERAL SPRINGS ROAD FACILITY NATIONAL FUEL GAS 60250836.300			**SITE MAP**
DATE: 10/09/13	DRWN: RCW		**FIGURE 1**



LEGEND

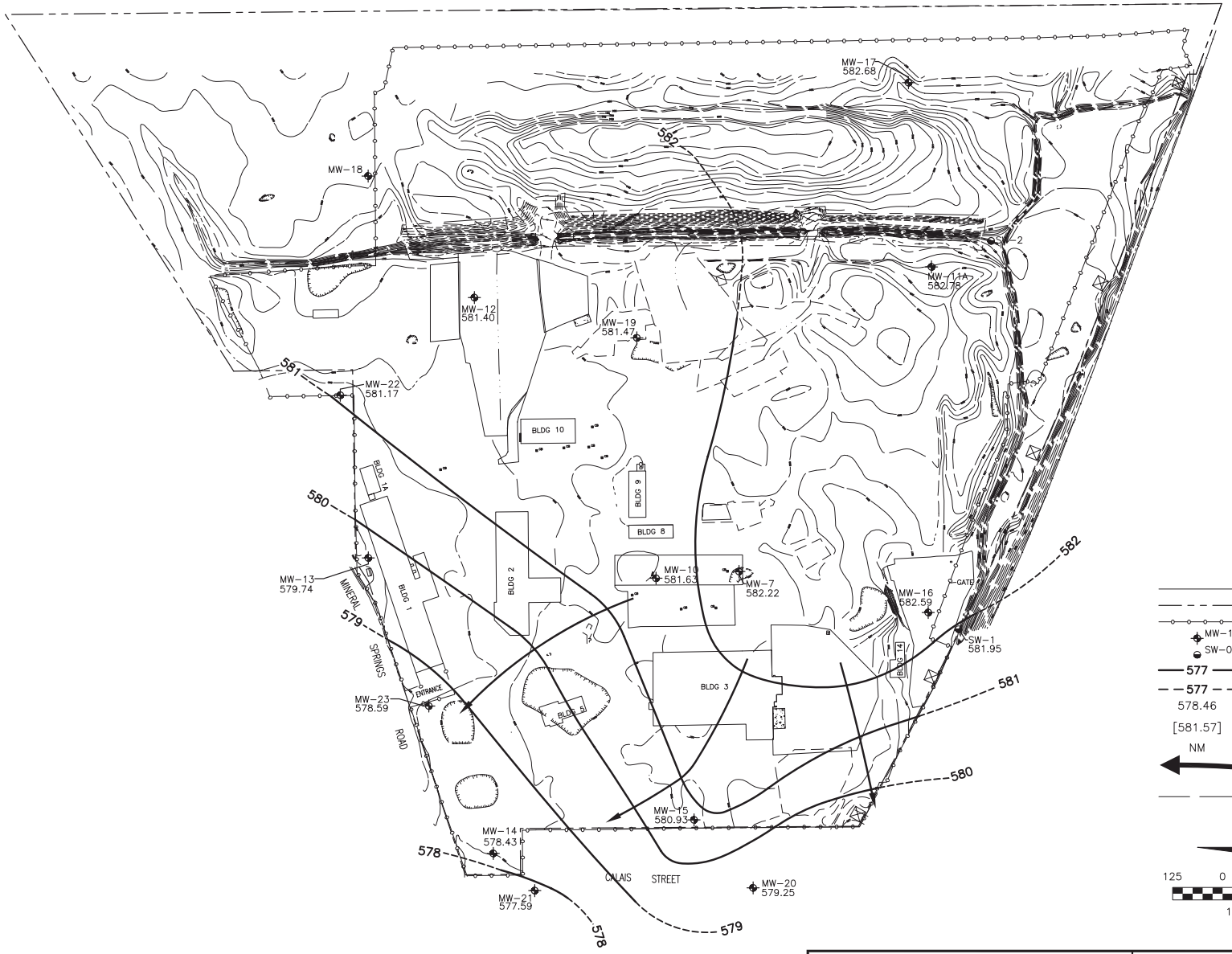
- Property Line
- CNG Line Excavation
- Storm Drain Excavation
- Electrical Conduit Excavation
- ESNAC – Eastern Swale North Asphalt Cap
- ESHC – Eastern Swale HDPE Cap
- B10AC – Building 10 Asphalt Cap
- EDD – Eastern Drainage Ditch

FIGURE 2

NOT TO SCALE

National Fuel
365 Mineral Springs Rd
Buffalo. NY 14210

Compressed Natural Gas
Expansion Project
Subsurface Excavations



NOTE:
GROUNDWATER ELEVATION FOR MONITORING WELL MW-10 WAS NOT USED IN THE GENERATION OF GROUNDWATER CONTOURS.

LEGEND

	CURRENT SITE FEATURE
	PROPERTY BOUNDARY
	FENCELINE
MW-16	MONITORING WELLS
SW-01	SURFACE WATER SAMPLE LOCATION
577	GROUNDWATER ELEVATION CONTOUR (ft. MSL)
577	(DASHED WHERE INFERRED)
578.46	GROUNDWATER ELEVATION (ft. MSL)
[581.57]	GROUNDWATER ELEVATION (ft. MSL) NOT USED TO CONTOUR
NM	NOT MEASURED
	GENERALIZED DIRECTION GROUNDWATER FLOW
	GROUND SURFACE ELEVATION CONTOUR INTERVAL: 1'

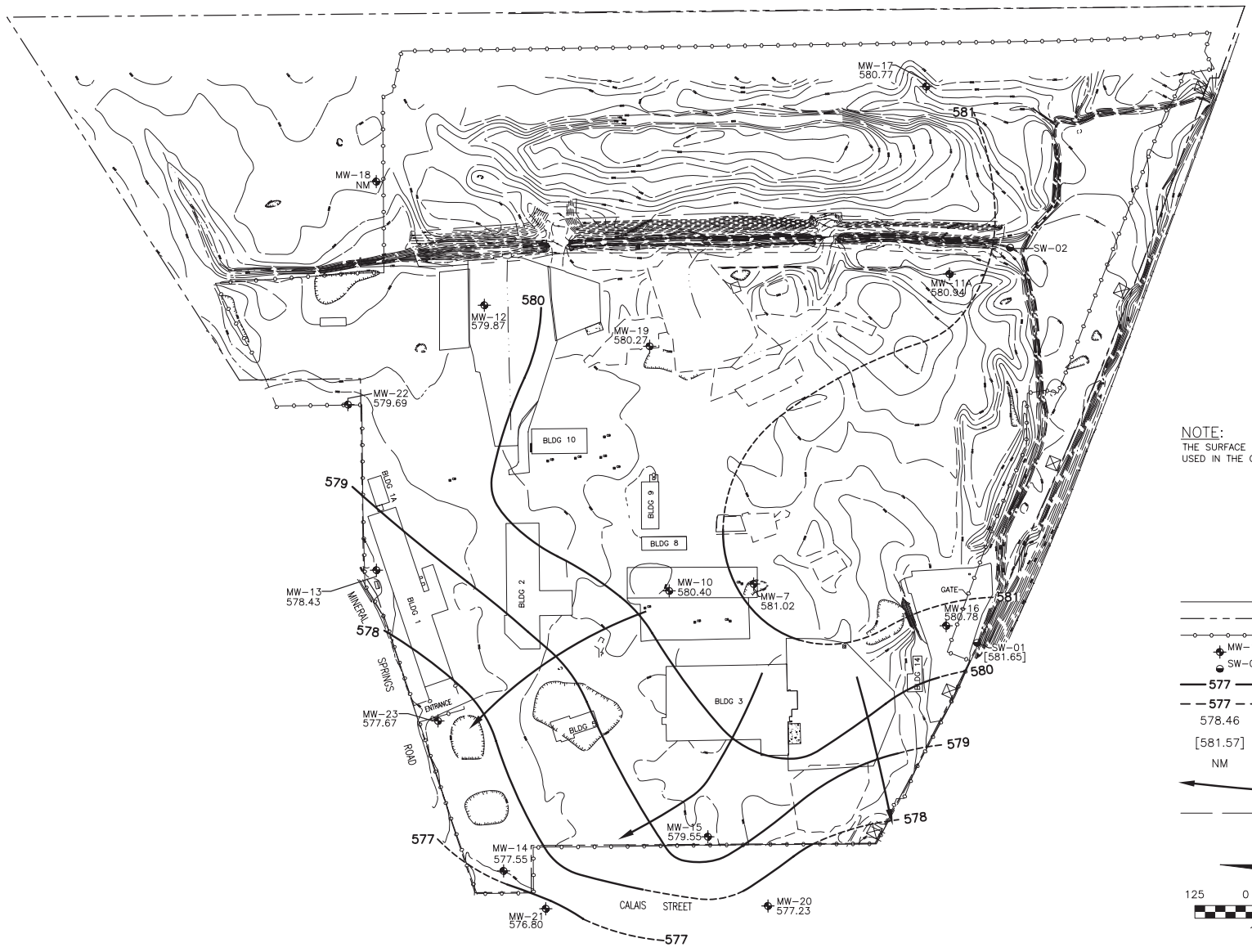
125 0 250

1"=250'

AECOM

NATIONAL FUEL GAS MINERAL SPRINGS ROAD MGP SITE 60137322-300		**GROUNDWATER ELEVATION CONTOURS APRIL 2013**
DATE: 07/2013	DRWN: BcV/W-MA	**FIGURE 3**

File: J:\Cadfiles\CADD\60137322\GW-2013-4.dwg Layout: GW-2013-04 User: VERCHONB Plotted: Jul 18, 2013 - 12:27pm Xref's:



NOTE:
THE SURFACE WATER ELEVATION FOR SW-01 WAS NOT USED IN THE GENERATION OF GROUNDWATER CONTOURS

LEGEND

	CURRENT SITE FEATURE
	PROPERTY BOUNDARY
	FENCELINE
MW-16	MONITORING WELLS
SW-01	SURFACE WATER SAMPLE LOCATION
577	GROUNDWATER ELEVATION CONTOUR (ft. MSL)
577	(DASHED WHERE INFERRED)
578.46	GROUNDWATER ELEVATION (ft. MSL)
[581.57]	GROUNDWATER ELEVATION (ft. MSL) NOT USED TO CONTOUR
NM	NOT MEASURED
	GENERALIZED DIRECTION GROUNDWATER FLOW
	GROUND SURFACE ELEVATION CONTOUR INTERVAL: 1'

125 0 250
1"=250'

AECOM

NATIONAL FUEL GAS MINERAL SPRINGS ROAD MGP SITE 60250836-100		**GROUNDWATER ELEVATION CONTOURS AUGUST 2013**
DATE: 10/2013	DRWN: BcV/W-MA	**FIGURE 4**

File: J:\Cadfiles\CADD\60137322\GW-2013-8.dwg Layout: GW-2013-08 User: VERCHONB Plotted: Oct 08, 2013 - 12:02pm Xref's:

Appendix A

Groundwater and Surface Water Monitoring Results

Appendix A - Groundwater and Surface Water Monitoring Results
2013 Periodic Review Report
Mineral Springs Road Former Manufactured Gas Plant Site

MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07
DATE	Aug-95	May-96	Jul-97	Feb-98	Jun-99	Apr-00	Apr-01	Jul-01	Nov-01	Apr-02	Jun-02	Nov-02	Apr-03	Jul-03	Nov-03	Mar-04	Jun-04	Nov-04	Apr-05	Jul-05	Apr-06	Aug-06	Apr-07	Aug-07	Apr-08	Sep-08	Apr-09	Aug-09	Apr-10	Aug-10	Apr-11	Sep-11	Apr-12	Aug-12	Apr-13	Aug-13
Benzene	3320	1210	4900		5100	5200	4800	3900	3300	2700	2200	3000	2100	1900	3200	2800	2000	1700	2800	2000	2900	2600	2000	1900	490	1100	780	850	330	840	690	600	690	420	660	450
Toluene	389	20	750		2000	2700	2500	3400	1700	1500	1200	1400	1200	930	1700	1800	1300	930	1100	840	1100	570	620	100	270	590	420	250	96	44	210	37	77	6.9	210	9.2
Ethylbenzene	2400	410	2900		3700	3600	3300	2000	2100	2300	1900	2200	1900	1900	2700	2500	2500	1800	2700	2200	3100	2500	2500	2000	410	1500	1100	1000	520	1200	1200	800	1000	470	1000	600
Xylene (sum of isomers)	1038	63	1200		1800	1900	1800	1600	1100	1200	1100	1100	1100	1000	1400	1200	1400	1000	1600	1300	1800	1500	1400	1100	270	910	820	700	360	820	770	510	660	270	680	440
Total BTEX	7147	1703	9750		12600	13400	12400	10900	8200	7700	6400	7700	6300	5730	9000	8300	7200	5430	8200	6340	8900	7170	6520	5100	1440	4100	3120	2800	1306	2904	2870	1947	2427	1166.9	2550	1499.2
Naphthalene	3270	3000	2400		4100	5900	3400	3400	3600	2200	2600	5000	3100	3800	3200	3700	2700	4600	3500	3600	3000	3600	3700	3100	430	1000	1600	1400	650	1700	2100	1500	1700	870	1700	1100
Acenaphthylene	nd	nd	nd		nd	nd	nd	2.2	nd	nd	nd	nd	nd	nd	nd	nd	3	nd	nd	nd	nd	nd	nd	nd	2.5	nd	0.63	nd	nd	nd	nd	nd	nd	nd	nd	0.82
Acenaphthene	240	150	180		180	180	150	140	160	80	120	150	nd	160	120	160	180	160	130	220	120	130	nd	130	19	69	32	36	15	60	76	49	64	49	64	63
Fluorene	nd	28	45		nd	nd	nd	28	nd	nd	nd	33	nd	nd	27	nd	42	nd	24	46	32	24	nd	25	7.6	13	6.4	6.2	2.7	12	13	9.6	11	11	13	12
Phenanthrene	nd	nd	37		nd	nd	nd	32	nd	nd	nd	30	nd	nd	nd	nd	38	nd	nd	nd	33	28	nd	25	2.5	12	4.3	4.6	2.1	11	16	9.5	11	9.1	12	11
Anthracene	nd	nd	nd		nd	nd	nd	3.6	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	5.4	3.9	nd	3	2.5	1.5	nd	nd	0.23	1.4	nd	0.98	1.5	1.3	1.6	1.7
Fluoranthene	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.2	0.27	nd	nd	nd	nd	nd	nd
Pyrene	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.28	nd	nd	nd	0.17	nd	nd
Benzo(a)Anthracene	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Chrysene	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Benzo(b)Fluoranthene	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Benzo(k)Fluoranthene	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Benzo(a)Pyrene	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Indeno(1,2,3-cd)Pyrene	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Dibenzo(a,h)Anthracene	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.47	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Benzo(g,h,i)Perylene	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
2-Methylnaphthalene							180	190	200	100	180	230	nd	280	170	270	320	300	230	400	350	250	270	230	24	120	73	84	33	110	160	90	120	66	130	82
Total PAHs	3510	3178	2662		4280	6080	3730	3796	3960	2380	2900	5443	3100	4240	3517	4130	3283	5060	3884	4266	3541	4036	3970	3513	488	1215.5	1716.33	1531	703.23	1894.95	2365	1659.08	1907.5	1006.57	1920.6	1270.52
Cyanide, total (Exygen/ Test America)			189																																		
Cyanide, total (Clarkson Univ.)																																					
Cyanide, free (Exygen/ Test America)																																					
Cyanide, free (Clarkson Univ.)																																					
Water Elevation (feet)			580.13	581.68	579.84	581.70	581.50	579.98	580.58	582.01	580.96	580.26	581.66	580.31	580.32	582.45	581.24	581.36	582.28	579.76	581.90	579.24	582.58	578.21	581.99	580.83	581.93	581.01	582.26	580.00	583.60	579.76	581.56	578.61	582.22	581.02

All Units in µg/L

Appendix A - Groundwater and Surface Water Monitoring Results
2013 Periodic Review Report
Mineral Springs Road Former Manufactured Gas Plant Site

MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10
DATE	Aug-95	May-96	Jul-97	Feb-98	Jun-99	Apr-00	Apr-01	Jul-01	Nov-01	Apr-02	Jun-02	Nov-02	Apr-03	Jul-03	Nov-03	Mar-04	Jun-04	Nov-04	Apr-05	Jul-05	Apr-06	Aug-06	Apr-07	Aug-07	Apr-08	Sep-08	Apr-09	Aug-09	Apr-10	Aug-10	Apr-11	Sep-11	Apr-12	Aug-12	Apr-13	Aug-13
Benzene	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	1.2	nd	nd	nd	nd	nd	0.83	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Toluene	nd	nd	nd		nd	nd	nd	nd	nd	0.89	nd	nd	0.81	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Ethylbenzene	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	0.9	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.3	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	1
Xylene (sum of isomers)	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.66	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Total BTEX	0	0	0		0	0	0	0	0	0.89	0	0	2.91	0	0	0	0	0	0.83	0	0	0	0	1.96	0	0	0	0	0	0	0	0	0	0	0	0	1.0
Naphthalene	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	2.1	nd	nd	nd	nd	nd	nd	0.78	nd	43	nd	nd	2.3	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.65
Acenaphthylene	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Acenaphthene	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Fluorene	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Phenanthrene	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.69	nd	nd	nd	nd	nd	nd	nd
Anthracene	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Fluoranthene	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.77	nd	nd	nd	nd	nd	nd	nd
Pyrene	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.53	nd	nd	nd	nd	nd	nd	nd
Benzo(a)Anthracene	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.27	nd	nd	nd	nd	nd	nd	nd
Chrysene	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.41	nd	nd	nd	nd	nd	nd	nd
Benzo(b)Fluoranthene	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.18	nd	nd	nd	nd	nd	nd	nd
Benzo(k)Fluoranthene	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Benzo(a)Pyrene	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Indeno(1,2,3-cd)Pyrene	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.35	nd	nd	nd	nd	nd	nd	nd
Dibenzo(a,h)Anthracene	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Benzo(g,h,i)Perylene	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.28	nd	nd	nd	nd	nd	nd	nd
2-Methylnaphthalene							nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	3.8	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Total PAHs	0	0	0		0	0	0	0	0	0	0	2.1	0	0	0	0	0	0	0.78	0	46.8	0	0	2.3	0	0	0	0	0	1.31	2.17	0	0	0	0	0.65
Cyanide, total (Exygen/ Test America)			334																																		
Cyanide, total (Clarkson Univ.)																																					
Cyanide, free (Exygen/ Test America)																																					
Cyanide, free (Clarkson Univ.)																																					
Water Elevation (feet)			579.87	581.44	579.33	581.19	581.07	579.64	580.10	581.61	580.51	579.51	581.23	579.93	579.16	581.92	580.80	580.90	581.78	579.53	581.15	580.04	582.06	578.19	581.51	580.45	581.10	580.82	580.49	580.56	583.39	579.53	581.05	579.85	581.63	580.4

All Units in µg/L

Appendix A - Groundwater and Surface Water Monitoring Results
2013 Periodic Review Report
Mineral Springs Road Former Manufactured Gas Plant Site

MW-11 / MW-11A	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11A	MW-11A	MW-11A	MW-11A	MW-11A	MW-11A	MW-11A	MW-11A	MW-11A	MW-11A	MW-11A	MW-11A	MW-11A	MW-11A	MW-11A	MW-11A	MW-11A	MW-11A	MW-11A	MW-11A	MW-11A	MW-11A
DATE	Aug-95	May-96	Jul-97	Feb-98	Jun-99	Apr-00	Apr-01	Jul-01	Nov-01	Apr-02	Jun-02	Nov-02	Apr-03	Jul-03	Nov-03	Mar-04	Jun-04	Nov-04	Apr-05	Jul-05	Apr-06	Aug-06	Apr-07	Aug-07	Apr-08	Sep-08	Apr-09	Aug-09	Apr-10	Aug-10	Apr-11	Sep-11	Apr-12	Aug-12	Apr-13	Aug-13
Benzene			35		nd	nd	nd	nd		nd	nd	nd	nd	350	80	50	270	150	140	250	67	140	100	180	230	210	190	200	77	150	15	170	31	85	20	32
Toluene			17		nd	nd	nd	68		nd	3.8	nd	nd	230	1.2	0.7	35	nd	1.2	7	0.56	1.2	0.99	nd	5.5	nd	nd	nd	0.78	1.9	nd	nd	nd	1.4	nd	nd
Ethylbenzene			94		nd	nd	nd	nd		nd	nd	nd	nd	650	3.5	6.9	30	5.4	9.6	38	2.5	8.7	2.8	5.5	69	71	67	80	35	56	5.7	63	7.1	34	7.3	5.7
Xylene (sum of isomers)			83		7	nd	nd	nd		nd	nd	nd	nd	410	9.1	9.2	38	16	16	30	8.1	14	5.5	29	41	30	24	28	21	27	3.5	25	4.3	15	5.4	4.6
Total BTEX			229		7	0	0	68		0	4	0	0	1640	94	67	373	171	167	325	78	164	109	215	346	311	281	308	133.78	234.9	24.2	258	42.4	135.4	20	42.3
Naphthalene			140		12	nd	nd	nd		nd	nd	nd	nd	150	130	nd	39	31	nd	20	2.9	nd	nd	0.79	7.1	2.5	4.1	9.3	0.78	2.6	0.28	4	nd	0.81	0.29	0.57
Acenaphthylene			9		2	nd	nd	nd		nd	nd	nd	nd	12	8.4	nd	7.9	9.4	2.8	8.9	5.1	nd	5.8	0.93	6.9	3.4	3.7	4.6	2.4	3.8	0.72	2.8	1.3	2.2	1.4	2.1
Acenaphthene			7		nd	nd	nd	nd		nd	nd	nd	nd	4.4	3.1	1.2	4.5	5.9	4.5	5.6	nd	nd	nd	2.7	5.6	5	4.1	6.1	3.1	5.1	2.6	4.6	2	3.8	2.9	4.7
Fluorene			nd		nd	nd	nd	nd		nd	nd	nd	nd	2.2	nd	nd	1.9	2.3	1.3	1.7	1.5	nd	nd	nd	5.1	0.86	0.89	1.6	0.72	1.2	0.83	nd	nd	0.91	0.52	1.4
Phenanthrene			nd		nd	nd	nd	nd		nd	nd	nd	nd	2.7	2.2	nd	3.7	6.4	nd	2	nd	nd	nd	nd	1.5	nd	nd	2.8	nd	0.56	nd	nd	nd	nd	nd	nd
Anthracene			nd		nd	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	0.5	1.6	nd	nd	nd	nd	nd	nd	2.2	nd	nd	nd	nd	0.3	0.24	nd	nd	nd	nd	0.43
Fluoranthene			nd		nd	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	0.3	nd	nd	nd	nd	0.57	nd	nd	0.32	0.52	0.24	0.51	0.45	0.42	nd	0.4	0.36	0.95
Pyrene			nd		nd	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	0.3	0.73	0.46	0.33	nd	nd	nd	1.2	nd	nd	0.36	0.75	0.27	0.52	0.71	0.56	nd	0.51	0.58	1.3
Benzo(a)Anthracene			nd		nd	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Chrysene			nd		nd	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Benzo(b)Fluoranthene			nd		nd	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Benzo(k)Fluoranthene			nd		nd	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Benzo(a)Pyrene			nd		nd	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Indeno(1,2,3-cd)Pyrene			nd		nd	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Dibenzo(a,h)Anthracene			nd		nd	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Benzo(g,h,i)Perylene			nd		nd	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
2-Methylnaphthalene							nd	nd		nd	nd	nd	nd	31	4.4	nd	0.26	nd	nd	0.15	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Total PAHs			156		14	0	0	0		0	0	0	0	202	148	1	58	57	9	39	10	0	6	6	28	11.76	13.47	25.67	7.51	14.59	5.83	12.38	3.3	8.63	6.05	11.45
Cyanide, total (Exygen/ Test America)			1040						1340																											
Cyanide, total (Clarkson Univ.)																																				
Cyanide, free (Exygen/ Test America)									nd																											
Cyanide, free (Clarkson Univ.)																																				
Water Elevation (feet)			580.28	582.26	579.82	583.55	583.85	579.28	581.30	583.85	581.32	581.03	582.97	580.70	581.11	583.03	581.54	581.87	582.74	580.09	582.38	580.78	583.07	578.46	582.43	581.32	582.35	581.46	582.85	580.37	584.05	580.22	582.07	579.02	582.78	580.94

All Units in µg/L

Appendix A - Groundwater and Surface Water Monitoring Results
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Mineral Springs Road Former Manufactured Gas Plant Site

MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12
DATE	Aug-95	May-96	Jul-97	Feb-98	Jun-99	Apr-00	Apr-01	Jul-01	Nov-01	Apr-02	Jun-02	Nov-02	Apr-03	Jul-03	Nov-03	Mar-04	Jun-04	Nov-04	Apr-05	Jul-05	Apr-06	Aug-06	Apr-07	Aug-07	Apr-08	Sep-08	Apr-09	Aug-09	Apr-10	Aug-10	Apr-11	Sep-11	Apr-12	Aug-12	Apr-13	Aug-13
Benzene			17																																			
Toluene			nd																																			
Ethylbenzene			nd																																			
Xylene (sum of isomers)			nd																																			
Total BTEX			17																																			
Naphthalene			nd																																			
Acenaphthylene			nd																																			
Acenaphthene			nd																																			
Fluorene			nd																																			
Phenanthrene			nd																																			
Anthracene			nd																																			
Fluoranthene			nd																																			
Pyrene			nd																																			
Benzo(a)Anthracene			nd																																			
Chrysene			nd																																			
Benzo(b)Fluoranthene			nd																																			
Benzo(k)Fluoranthene			nd																																			
Benzo(a)Pyrene			nd																																			
Indeno(1,2,3-cd)Pyrene			nd																																			
Dibenzo(a,h)Anthracene			nd																																			
Benzo(g,h,i)Perylene			nd																																			
2-Methylnaphthalene																																						
Total PAHs			0																																			
Cyanide, total (Exygen/ Test America)			375		294	380	434	1840	393	522	2020	438	440	384	437	134	458	514	2110										708	837	720	670	480	530	540
Cyanide, total (Clarkson Univ.)																	461	491	425	413	440	415	459	454	473	550	472	449	550								
Cyanide, free (Exygen/ Test America)						nd	nd	nd	nd	nd	58	7	nd	88	57	19	6	5	817										6.0	7.0	nd	10	23	10	13.9
Cyanide, free (Clarkson Univ.)																6.7	nd	nd	3.3	2.9	2.6	nd	nd	6.8	25	7.2	4.1	4.7	nd								
Water Elevation (feet)			579.45	581.07	578.98	580.90	580.72	579.30	579.54	581.40	580.30	579.29	580.82	579.59	579.75	581.55	580.39	580.51	581.48	579.27	580.96	579.78	581.88	578.7	581.25	580.16	581.10	580.35	581.45	579.50	583.27	579.21	580.82	578.49	581.4	579.87	

All Units in µg/L

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MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13
DATE	Aug-95	May-96	Jul-97	Feb-98	Jun-99	Apr-00	Apr-01	Jul-01	Nov-01	Apr-02	Jun-02	Nov-02	Apr-03	Jul-03	Nov-03	Mar-04	Jun-04	Nov-04	Apr-05	Jul-05	Apr-06	Aug-06	Apr-07	Aug-07	Apr-08	Sep-08	Apr-09	Aug-09	Apr-10	Aug-10	Apr-11	Sep-11	Apr-12	Aug-12	Apr-13	Aug-13
Benzene			4	nd								1.8			3.7			1.2				1.9		2.1	nd			1		0.44		0.72		1.6		2.8
Toluene			nd	nd								nd			nd			nd				nd		nd	nd			nd		nd		nd		nd		nd
Ethylbenzene			nd	nd								nd			nd			nd				nd		0.38	nd			nd		nd		nd		nd		nd
Xylene (sum of isomers)			nd	nd								nd			nd			nd				nd		nd	nd			nd		nd		nd		nd		nd
Total BTEX			4	0								1.8			3.7			1.2				1.9		2.48	0			1		0.44		0.72		1.6		2.8
Naphthalene			nd									nd			nd			nd				2.8		0.88	nd			nd		nd		nd		nd		nd
Acenaphthylene			nd									nd			nd			nd				nd		nd	nd			nd		nd		nd		nd		nd
Acenaphthene			nd									nd			nd			nd				nd		nd	nd			nd		nd		nd		nd		nd
Fluorene			nd									nd			nd			nd				nd		nd	nd			nd		nd		nd		nd		nd
Phenanthrene			nd									nd			nd			nd				nd		nd	nd			nd		nd		nd		nd		nd
Anthracene			nd									nd			nd			nd				nd		nd	nd			nd		nd		nd		nd		nd
Fluoranthene			nd									nd			nd			nd				nd		nd	nd			nd		nd		nd		nd		nd
Pyrene			nd									nd			nd			nd				nd		nd	nd			nd		nd		nd		nd		nd
Benzo(a)Anthracene			nd									nd			nd			nd				nd		nd	nd			nd		nd		nd		nd		nd
Chrysene			nd									nd			nd			nd				nd		nd	nd			nd		nd		nd		nd		nd
Benzo(b)Fluoranthene			nd									nd			nd			nd				nd		nd	nd			nd		nd		nd		nd		nd
Benzo(k)Fluoranthene			nd									nd			nd			nd				nd		nd	nd			nd		nd		nd		nd		nd
Benzo(a)Pyrene			nd									nd			nd			nd				nd		nd	nd			nd		nd		nd		nd		nd
Indeno(1,2,3-cd)Pyrene			nd									nd			nd			nd				nd		nd	nd			nd		nd		nd		nd		nd
Dibenzo(a,h)Anthracene			nd									nd			nd			nd				nd		nd	nd			nd		nd		nd		nd		nd
Benzo(g,h,i)Perylene			nd									nd			nd			nd				nd		nd	nd			nd		nd		nd		nd		nd
2-Methylnaphthalene												nd			nd			nd				nd		nd	nd			nd		nd		nd		nd		nd
Total PAHs			0									0			0			0				2.8		0.88	0			0		0		0		0		0
Cyanide, total (Exygen/ Test America)			323		356	280	129	465	716	nd	157	399	142	423	528	175	108	280	103										449	nd	620	10	670	nd	530
Cyanide, total (Clarkson Univ.)																	145	234	55	363	61	300	3	664	54	467	27	327	nd							
Cyanide, free (Exygen/ Test America)						nd	33	119	nd	nd	96	13	nd	51	22	22	nd	nd	45										nd	nd	nd	0.87	21	nd	5.7
Cyanide, free (Clarkson Univ.)																5.3	nd	nd	nd	3	nd	nd	nd	5.3	2.3	8.2	nd	nd	nd							
Water Elevation (feet)			578.17	579.72	577.70	579.47	579.28	577.91	578.23	579.90	578.80	577.83	579.23	578.13	578.18	579.78	578.69	578.80	579.87	577.95	579.42	578.30	580.29	577.3	579.65	578.95	579.44	578.59	579.65	578.10	581.97	577.73	579.09	577.19	579.74	578.43

All Units in µg/L

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MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14
DATE	Aug-95	May-96	Jul-97	Feb-98	Jun-99	Apr-00	Apr-01	Jul-01	Nov-01	Apr-02	Jun-02	Nov-02	Apr-03	Jul-03	Nov-03	Mar-04	Jun-04	Nov-04	Apr-05	Jul-05	Apr-06	Aug-06	Apr-07	Aug-07	Apr-08	Sep-08	Apr-09	Aug-09	Apr-10	Aug-10	Apr-11	Sep-11	Apr-12	Aug-12	Apr-13	Aug-13
Benzene			nd																																					
Toluene			nd																																					
Ethylbenzene			nd																																					
Xylene (sum of isomers)			nd																																					
Total BTEX			0																																					
Naphthalene			nd																																					
Acenaphthylene			nd																																					
Acenaphthene			nd																																					
Fluorene			nd																																					
Phenanthrene			nd																																					
Anthracene			nd																																					
Fluoranthene			nd																																					
Pyrene			nd																																					
Benzo(a)Anthracene			nd																																					
Chrysene			nd																																					
Benzo(b)Fluoranthene			nd																																					
Benzo(k)Fluoranthene			nd																																					
Benzo(a)Pyrene			nd																																					
Indeno(1,2,3-cd)Pyrene			nd																																					
Dibenzo(a,h)Anthracene			nd																																					
Benzo(g,h,i)Perylene			nd																																					
2-Methylnaphthalene																																								
Total PAHs			0																																					
Cyanide, total (Exygen/ Test America)			644		427	800	914	378	449	886	416	487	664	962	583	nd	503	537												541	623	670	610	610	630	600
Cyanide, total (Clarkson Univ.)																	514	571		423	305	281	404	422	374	486	425	422	480							
Cyanide, free (Exygen/ Test America)						nd	nd	nd	nd	nd	17	12	nd	9	7	nd	14	13												nd	nd	nd	1.7	nd	nd	nd
Cyanide, free (Clarkson Univ.)																nd	nd	nd		nd	nd	nd	nd	nd	4	2.5	4.1	nd	nd							
Water Elevation (feet)			577.36	579.19	577.03	578.44	578.21	577.21	577.31	578.56	577.61	576.76	577.92	577.23	577.11	578.15	577.55	577.46		577.07	577.99	577.29	577.89	577.43	577.87	576.48	577.57	577.15	578.05	577.27	579.98	577.05	577.85	576.63	578.43	577.55

All Units in µg/L

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Mineral Springs Road Former Manufactured Gas Plant Site

MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15
DATE	Aug-95	May-96	Jul-97	Feb-98	Jun-99	Apr-00	Apr-01	Jul-01	Nov-01	Apr-02	Jun-02	Nov-02	Apr-03	Jul-03	Nov-03	Mar-04	Jun-04	Nov-04	Apr-05	Jul-05	Apr-06	Aug-06	Apr-07	Aug-07	Apr-08	Sep-08	Apr-09	Aug-09	Apr-10	Aug-10	Apr-11	Sep-11	Apr-12	Aug-12	Apr-13	Aug-13
Benzene			nd																																			
Toluene			nd																																			
Ethylbenzene			nd																																			
Xylene (sum of isomers)			nd																																			
Total BTEX			0																																			
Naphthalene			nd																																			
Acenaphthylene			nd																																			
Acenaphthene			nd																																			
Fluorene			nd																																			
Phenanthrene			nd																																			
Anthracene			nd																																			
Fluoranthene			nd																																			
Pyrene			nd																																			
Benzo(a)Anthracene			nd																																			
Chrysene			nd																																			
Benzo(b)Fluoranthene			nd																																			
Benzo(k)Fluoranthene			nd																																			
Benzo(a)Pyrene			nd																																			
Indeno(1,2,3-cd)Pyrene			nd																																			
Dibenzo(a,h)Anthracene			nd																																			
Benzo(g,h,i)Perylene			nd																																			
2-Methylnaphthalene																																						
Total PAHs			0																																			
Cyanide, total (Exygen/ Test America)			78.8																																			
Cyanide, total (Clarkson Univ.)																																						
Cyanide, free (Exygen/ Test America)																																						
Cyanide, free (Clarkson Univ.)																																						
Water Elevation (feet)			579.11	579.81	578.70	580.15	580.55	578.98	579.49	580.98	579.48	578.88	580.40	579.11	579.30	581.04	579.99	---	580.54	579.45	580.54	579.36	---	577.89	580.60	579.65	580.61	579.65	580.87	579.18	582.58	578.76	NM	576.28	580.93	579.55		

All Units in µg/L

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Mineral Springs Road Former Manufactured Gas Plant Site

MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16
DATE	Aug-95	May-96	Jul-97	Feb-98	Jun-99	Apr-00	Apr-01	Jul-01	Nov-01	Apr-02	Jun-02	Nov-02	Apr-03	Jul-03	Nov-03	Mar-04	Jun-04	Nov-04	Apr-05	Jul-05	Apr-06	Aug-06	Apr-07	Aug-07	Apr-08	Sep-08	Apr-09	Aug-09	Apr-10	Aug-10	Apr-11	Sep-11	Apr-12	Aug-12	Apr-13	Aug-13
Benzene			nd																																			
Toluene			nd																																			
Ethylbenzene			nd																																			
Xylene (sum of isomers)			nd																																			
Total BTEX			0																																			
Naphthalene			nd																																			
Acenaphthylene			nd																																			
Acenaphthene			nd																																			
Fluorene			nd																																			
Phenanthrene			nd																																			
Anthracene			nd																																			
Fluoranthene			nd																																			
Pyrene			nd																																			
Benzo(a)Anthracene			nd																																			
Chrysene			nd																																			
Benzo(b)Fluoranthene			nd																																			
Benzo(k)Fluoranthene			nd																																			
Benzo(a)Pyrene			nd																																			
Indeno(1,2,3-cd)Pyrene			nd																																			
Dibenzo(a,h)Anthracene			nd																																			
Benzo(g,h,i)Perylene			nd																																			
2-Methylnaphthalene																																						
Total PAHs			0																																			
Cyanide, total (Exygen/ Test America)			346		459	360	214	214	138	174	23	187	203	130	220	254	297	293	307										602	617	700	840	750	880	740
Cyanide, total (Clarkson Univ.)																	332	297	305	299	266	368	317	429	467	540	531	504	566									
Cyanide, free (Exygen/ Test America)						nd	nd	147	nd	nd	17	13	nd	89	20	95	12	104	nd										7.0	9.0	7.0	9.5	37	32	9.5
Cyanide, free (Clarkson Univ.)																3.4	2.8	nd	nd	nd	nd	nd	nd	4	6.9	5.0	5.5	4.4	2.4									
Water Elevation (feet)			580.17	581.49	579.66	581.81	581.59	580.06	580.77	582.08	580.23	580.34	581.92	580.42	580.95	582.83	581.35	581.72	581.08	579.91	582.14	580.56	582.87	578.25	581.82	581.7	582.26	581.28	582.21	580.23	584.06	580.04	582	576.28	582.59	580.78		

All Units in µg/L

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MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17
DATE	Aug-95	May-96	Jul-97	Feb-98	Jun-99	Apr-00	Apr-01	Jul-01	Nov-01	Apr-02	Jun-02	Nov-02	Apr-03	Jul-03	Nov-03	Mar-04	Jun-04	Nov-04	Apr-05	Jul-05	Apr-06	Aug-06	Apr-07	Aug-07	Apr-08	Sep-08	Apr-09	Aug-09	Apr-10	Aug-10	Apr-11	Sep-11	Apr-12	Aug-12	Apr-13	Aug-13
Benzene				nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.32	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Toluene				nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Ethylbenzene				nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Xylene (sum of isomers)				nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.63	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Total BTEX				0	0	0	0	0	0	0	0	0	0	0	0	0.32	0	0	0	0	0	0	0	1.73	0	0	0	0	0	0	0	0	0	0	0	0
Naphthalene				nd	nd	nd	nd	3	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.75
Acenaphthylene				nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Acenaphthene				nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Fluorene				nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Phenanthrene				nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Anthracene				nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Fluoranthene				nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.73	nd	nd	nd	nd
Pyrene				nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.75	nd	nd	nd	nd
Benzo(a)Anthracene				nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.61	nd	1.3	nd	nd	nd	nd
Chrysene				nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.63	nd	1.3	nd	nd	nd	nd
Benzo(b)Fluoranthene				nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.54	nd	2	nd	nd	nd	nd
Benzo(k)Fluoranthene				nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.59	nd	1.5	nd	nd	nd	nd
Benzo(a)Pyrene				nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.50	nd	1.80	nd	nd	nd	nd
Indeno(1,2,3-cd)Pyrene				nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.76	nd	4.4	nd	nd	nd	nd
Dibenzo(a,h)Anthracene				nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.83	nd	4.7	nd	nd	nd	nd
Benzo(g,h,i)Perylene				nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.7	nd	1.6	nd	nd	nd	nd
2-Methylnaphthalene							nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Total PAHs				0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.16	0	20.08	0	0	0	0.75
Cyanide, total (Exygen/ Test America)				34	nd	27	65	38	74	185	127	108	185	50	66	378	106	160	217											93	297	230	210	81	160	98
Cyanide, total (Clarkson Univ.)																	142	162	260	161	263	183	369	148	285	144	279	148	242							
Cyanide, free (Exygen/ Test America)						nd	13	nd	nd	nd	nd	nd	nd	16	nd	nd	nd	nd	61											nd	4	nd	0.98	nd	1.2	nd
Cyanide, free (Clarkson Univ.)																nd	nd	nd	nd	nd	5.2	nd	nd	nd	5.9	nd	5.0	nd	nd							
Water Elevation (feet)				582.36	579.73	581.90	581.96	580.12	580.88	582.38	579.86	580.48	582.01	580.46	580.96	582.40	581.27	581.72	582.71	579.96	582.14	580.62	582.87	578.36	583.02	581.13	582.30	581.36	582.61	580.18	583.98	NM	581.93	578.92	582.68	580.77

All Units in µg/L

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Mineral Springs Road Former Manufactured Gas Plant Site

MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18																										
DATE	Aug-95	May-96	Jul-97	Feb-98	Jun-99	Apr-00	Apr-01	Jul-01	Nov-01	Apr-02																											
Benzene				nd	nd	nd	nd	nd	nd	nd																											
Toluene				nd	nd	nd	nd	1.1	nd	nd																											
Ethylbenzene				nd	nd	nd	nd	nd	nd	nd																											
Xylene (sum of isomers)				nd	nd	nd	nd	nd	nd	nd																											
Total BTEX				0	0	0	0	1.1	0	0																											
Naphthalene				nd	nd	nd	nd	nd	nd	nd																											
Acenaphthylene				nd	nd	nd	nd	nd	nd	nd																											
Acenaphthene				nd	nd	nd	nd	nd	nd	nd																											
Fluorene				nd	nd	nd	nd	nd	nd	nd																											
Phenanthrene				nd	nd	nd	nd	nd	nd	nd																											
Anthracene				nd	nd	nd	nd	nd	nd	nd																											
Fluoranthene				nd	nd	nd	nd	nd	nd	nd																											
Pyrene				nd	nd	nd	nd	nd	nd	nd																											
Benzo(a)Anthracene				nd	nd	nd	nd	nd	nd	nd																											
Chrysene				nd	nd	nd	nd	nd	nd	nd																											
Benzo(b)Fluoranthene				nd	nd	nd	nd	nd	nd	nd																											
Benzo(k)Fluoranthene				nd	nd	nd	nd	nd	nd	nd																											
Benzo(a)Pyrene				nd	nd	nd	nd	nd	nd	nd																											
Indeno(1,2,3-cd)Pyrene				nd	nd	nd	nd	nd	nd	nd																											
Dibenzo(a,h)Anthracene				nd	nd	nd	nd	nd	nd	nd																											
Benzo(g,h,i)Perylene				nd	nd	nd	nd	nd	nd	nd																											
2-Methylnaphthalene							nd	nd	nd	nd																											
Total PAHs				0	0	0	0	0	0	0																											
Cyanide, total (Exygen/ Test America)				nd	nd	nd	13	nd	nd	nd																											
Cyanide, total (Clarkson Univ.)																																					
Cyanide, free (Exygen/ Test America)						nd	nd	24	nd	nd																											
Cyanide, free (Clarkson Univ.)																																					
Water Elevation (feet)				585.46	582.65	585.06	585.40	583.84	583.84	582.74																											

All Units in µg/L

Appendix A - Groundwater and Surface Water Monitoring Results
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Mineral Springs Road Former Manufactured Gas Plant Site

MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19
DATE	Aug-95	May-96	Jul-97	Feb-98	Jun-99	Apr-00	Apr-01	Jul-01	Nov-01	Apr-02	Jun-02	Nov-02	Apr-03	Jul-03	Nov-03	Mar-04	Jun-04	Nov-04	Apr-05	Jul-05	Apr-06	Aug-06	Apr-07	Aug-07	Apr-08	Sep-08	Apr-09	Aug-09	Apr-10	Aug-10	Apr-11	Sep-11	Apr-12	Aug-12	Apr-13	Aug-13
Benzene					4700	5700	6000	4600	4700	4800	3800	4200	4600		5300	4900	6000	5800	7500	5800	5800	5600	6700	4500	5200	3700	3700	3700	4300	4700	4400	4200	3800	4300	4000	4800
Toluene					nd	nd	nd	160	nd	nd	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	2.9
Ethylbenzene					nd	280	260	nd	nd	160	150	140	170		130	170	330	180	350	270	260	200	220	100	210	120	180	170	290	230	280	170	190	130	210	300
Xylene (sum of isomers)					1500	2200	1500	930	660	580	470	540	560		400	440	1000	660	950	770	730	810	710	470	780	510	470	450	340	190	nd	nd	nd	nd	nd	75
Total BTEX					6200	8180	7760	5690	5360	5540	4420	4880	5330		5830	5510	7330	6640	8800	6840	6790	6610	7630	5070	6190	4330	4350	4320	4930	5120	4680	4370	3990	4430	4210	5177.9
Naphthalene					1900	2200	2200	2000	2100	2300	2000	2100	2400	2100	2000	2700	2900	2800	3000	2600	2800	3600	3100	4600	4100	2600	3600	3600	3300	3700	3300	2700	3200	2900	2600	4200
Acenaphthylene					nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Acenaphthene					nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.5	nd	nd	nd	nd	0.27	nd	nd	nd	nd	nd	nd
Fluorene					nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Phenanthrene					nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Anthracene					nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Fluoranthene					nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Pyrene					nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Benzo(a)Anthracene					nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Chrysene					nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Benzo(b)Fluoranthene					nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Benzo(k)Fluoranthene					nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Benzo(a)Pyrene					nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Indeno(1,2,3-cd)Pyrene					nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Dibenzo(a,h)Anthracene					nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Benzo(g,h,i)Perylene					nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
2-Methylnaphthalene							nd	0.82	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	5.5	4.8	nd	5.5	4.7	3.5	6.2	6.7	7.2	7.6	9.3	6.1	6.2	11	9.5	nd
Total PAHs					1900	2200	2200	2001	2100	2300	2000	2100	2400	2100	2000	2700	2900	2800	3000	2600	2806	3605	3100	4606	4106	2603.5	3606.2	3606.7	3307.2	3707.87	3309.3	2706.1	3206.2	2911	2609.5	4200
Cyanide, total (Exygen/ Test America)					1100																												---	---	---	---
Cyanide, total (Clarkson Univ.)																																						
Cyanide, free (Exygen/ Test America)																																	---	---	---	---
Cyanide, free (Clarkson Univ.)																																						
Water Elevation (feet)					577.43	581.36	581.13	579.63	580.12	581.73	579.73	579.83	581.24	580.01	580.19	582.00	580.79	580.98	581.90	579.57	581.42	580.15	582.26	578.2	581.6	580.52	581.46	580.70	581.8	579.78	583.45	579.54	581.21	578.62	581.47	580.27

All Units in µg/L

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MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20
DATE	Aug-95	May-96	Jul-97	Feb-98	Jun-99	Apr-00	Apr-01	Jul-01	Nov-01	Apr-02	Jun-02	Nov-02	Apr-03	Jul-03	Nov-03	Mar-04	Jun-04	Nov-04	Apr-05	Jul-05	Apr-06	Aug-06	Apr-07	Aug-07	Apr-08	Sep-08	Apr-09	Aug-09	Apr-10	Aug-10	Apr-11	Sep-11	Apr-12	Aug-12	Apr-13	Aug-13
Benzene					nd																																		
Toluene					nd																																		
Ethylbenzene					nd																																		
Xylene (sum of isomers)					nd																																		
Total BTEX					0																																		
Naphthalene					nd																																		
Acenaphthylene					nd																																		
Acenaphthene					nd																																		
Fluorene					nd																																		
Phenanthrene					nd																																		
Anthracene					nd																																		
Fluoranthene					nd																																		
Pyrene					nd																																		
Benzo(a)Anthracene					nd																																		
Chrysene					nd																																		
Benzo(b)Fluoranthene					nd																																		
Benzo(k)Fluoranthene					nd																																		
Benzo(a)Pyrene					nd																																		
Indeno(1,2,3-cd)Pyrene					nd																																		
Dibenzo(a,h)Anthracene					nd																																		
Benzo(g,h,i)Perylene					nd																																		
2-Methylnaphthalene																																							
Total PAHs					0																																		
Cyanide, total (Exygen/ Test America)					344	450	295	439	46	455	361	8	506	399	21	501	242	387	644											139	690	560	790	280	730	390
Cyanide, total (Clarkson Univ.)																	242	444	402	160	429	172	469	337	494	115	418	268	495									
Cyanide, free (Exygen/ Test America)						nd	13	nd	nd	nd	10	9	nd	44	14	nd	nd	53	13											nd	6	nd	2.2	6	4.9	nd
Cyanide, free (Clarkson Univ.)																nd	nd	nd	nd	nd	nd	nd	nd	2.6	3.2	nd	nd	nd	nd								
Water Elevation (feet)					576.67	579.24	578.86	576.76	577.15	579.20	577.49	576.60	578.34	576.90	577.16	578.96	577.42	577.82	578.82	576.60	578.20	577.07	579.03	575.78	578.43	577.4	578.78	577.87	578.9	577.11	580.62	576.41	578.45	574.2	579.25	577.23

All Units in µg/L

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2013 Periodic Review Report
Mineral Springs Road Former Manufactured Gas Plant Site

MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21
DATE	Aug-95	May-96	Jul-97	Feb-98	Jun-99	Apr-00	Apr-01	Jul-01	Nov-01	Apr-02	Jun-02	Nov-02	Apr-03	Jul-03	Nov-03	Mar-04	Jun-04	Nov-04	Apr-05	Jul-05	Apr-06	Aug-06	Apr-07	Aug-07	Apr-08	Sep-08	Apr-09	Aug-09	Apr-10	Aug-10	Apr-11	Sep-11	Apr-12	Aug-12	Apr-13	Aug-13
Benzene					nd																																		
Toluene					nd																																		
Ethylbenzene					nd																																		
Xylene (sum of isomers)					nd																																		
Total BTEX					0																																		
Naphthalene					nd																																		
Acenaphthylene					nd																																		
Acenaphthene					nd																																		
Fluorene					nd																																		
Phenanthrene					nd																																		
Anthracene					nd																																		
Fluoranthene					nd																																		
Pyrene					nd																																		
Benzo(a)Anthracene					nd																																		
Chrysene					nd																																		
Benzo(b)Fluoranthene					nd																																		
Benzo(k)Fluoranthene					nd																																		
Benzo(a)Pyrene					nd																																		
Indeno(1,2,3-cd)Pyrene					nd																																		
Dibenzo(a,h)Anthracene					nd																																		
Benzo(g,h,i)Perylene					nd																																		
2-Methylnaphthalene																																							
Total PAHs					0																																		
Cyanide, total (Exygen/ Test America)					511	560	898	558	535	756	674	670	637	708	569	714	741	740	664											433	539	420	480	420	490	460
Cyanide, total (Clarkson Univ.)																	749	709	688	545	404	448	574	560	543	417	485	441	508							
Cyanide, free (Exygen/ Test America)						nd	14	nd	nd	24	12	13	nd	11	nd	nd	nd	7	20											nd	6	nd	1.6	nd	nd	nd
Cyanide, free (Clarkson Univ.)																nd	nd	nd	nd	2.6	nd	nd	nd	nd	18.5	4.2	nd	nd	nd							
Water Elevation (feet)					576.51	578.08	577.68	576.55	576.58	578.03	576.97	576.28	575.32	576.55	576.42	577.70	576.86	576.85	577.71	576.38	577.28	576.75	578.38	576.79	577.42	576.94	577.35	576.93	577.43	576.67	579.32	575.29	577.09	575.89	577.59	576.8

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MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22
DATE	Aug-95	May-96	Jul-97	Feb-98	Jun-99	Apr-00	Apr-01	Jul-01	Nov-01	Apr-02	Jun-02	Nov-02	Apr-03	Jul-03	Nov-03	Mar-04	Jun-04	Nov-04	Apr-05	Jul-05	Apr-06	Aug-06	Apr-07	Aug-07	Apr-08	Sep-08	Apr-09	Aug-09	Apr-10	Aug-10	Apr-11	Sep-11	Apr-12	Aug-12	Apr-13	Aug-13
Benzene					6																															
Toluene					nd																															
Ethylbenzene					nd																															
Xylene (sum of isomers)					nd																															
Total BTEX					6																															
Naphthalene					nd																															
Acenaphthylene					nd																															
Acenaphthene					nd																															
Fluorene					nd																															
Phenanthrene					nd																															
Anthracene					nd																															
Fluoranthene					nd																															
Pyrene					nd																															
Benzo(a)Anthracene					nd																															
Chrysene					nd																															
Benzo(b)Fluoranthene					nd																															
Benzo(k)Fluoranthene					nd																															
Benzo(a)Pyrene					nd																															
Indeno(1,2,3-cd)Pyrene					nd																															
Dibenzo(a,h)Anthracene					nd																															
Benzo(g,h,i)Perylene					nd																															
2-Methylnaphthalene																																				
Total PAHs					0																															
Cyanide, total (Exygen/ Test America)					487	600	1010	734	460	703	1570	467	604	560	1080	741	504	803	941										778	1030	860	1000	870	1100	770
Cyanide, total (Clarkson Univ.)																	676	759	628	534	587	540	642	641	666	785	704	690	771							
Cyanide, free (Exygen/ Test America)						nd	nd	201	nd	nd	49	231	267	88	49	132	nd	207	99										nd	7	nd	5.5	26	9.2	14.1
Cyanide, free (Clarkson Univ.)																nd	8	nd	3.1	2.4	nd	nd	nd	4.3	5.9	3.3	3.1	3.4	nd							
Water Elevation (feet)					578.80	580.70	580.51	579.09	579.50	581.25	580.05	579.10	580.62	579.42	579.47	581.27	580.05	580.22	581.28	579.13	580.69	579.60	581.75	578.02	581.03	579.93	580.86	580.03	581.19	579.29	583.13	578.99	580.56	578.26	581.17	579.69

All Units in µg/L

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Mineral Springs Road Former Manufactured Gas Plant Site

MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23
DATE	Aug-95	May-96	Jul-97	Feb-98	Jun-99	Apr-00	Apr-01	Jul-01	Nov-01	Apr-02	Jun-02	Nov-02	Apr-03	Jul-03	Nov-03	Mar-04	Jun-04	Nov-04	Apr-05	Jul-05	Apr-06	Aug-06	Apr-07	Aug-07	Apr-08	Sep-08	Apr-09	Aug-09	Apr-10	Aug-10	Apr-11	Sep-11	Apr-12	Aug-12	Apr-13	Aug-13
Benzene						nd						nd			nd			nd				nd				nd		nd		nd		nd		nd		nd
Toluene						nd						nd			nd			nd				nd				nd		nd		nd		nd		nd		nd
Ethylbenzene						nd						nd			nd			nd				nd				nd		nd		nd		nd		nd		nd
Xylene (sum of isomers)						nd						nd			nd			nd				nd				nd		nd		nd		nd		nd		nd
Total BTEX						0						0			0			0				0				0		0		0		0		0		0
Naphthalene						nd						nd			nd			nd				3.6				nd		nd		nd		nd		nd		1.2
Acenaphthylene						nd						nd			nd			nd				nd				nd		nd		nd		nd		nd		nd
Acenaphthene						nd						nd			nd			nd				nd				nd		nd		nd		nd		nd		nd
Fluorene						nd						nd			nd			nd				nd				nd		nd		nd		nd		nd		nd
Phenanthrene						nd						nd			nd			nd				nd				nd		nd		nd		nd		nd		nd
Anthracene						nd						nd			nd			nd				nd				nd		nd		nd		nd		nd		nd
Fluoranthene						nd						nd			nd			nd				nd				nd		nd		nd		nd		nd		nd
Pyrene						nd						nd			nd			nd				nd				nd		nd		nd		nd		nd		nd
Benzo(a)Anthracene						nd						nd			nd			nd				nd				nd		nd		nd		nd		nd		nd
Chrysene						nd						nd			nd			nd				nd				nd		nd		nd		nd		nd		nd
Benzo(b)Fluoranthene						nd						nd			nd			nd				nd				nd		nd		nd		nd		nd		nd
Benzo(k)Fluoranthene						nd						nd			nd			nd				nd				nd		nd		nd		nd		nd		nd
Benzo(a)Pyrene						nd						nd			nd			nd				nd				nd		nd		nd		nd		nd		nd
Indeno(1,2,3-cd)Pyrene						nd						nd			nd			nd				nd				nd		nd		nd		nd		nd		nd
Dibenzo(a,h)Anthracene						nd						nd			nd			nd				nd				nd		nd		nd		nd		nd		nd
Benzo(g,h,i)Perylene						nd						nd			nd			nd				nd				nd		nd		nd		nd		nd		nd
2-Methylnaphthalene												nd			nd			nd				nd				nd		nd		nd		nd		nd		nd
Total PAHs						0						0			0			0				3.6				0		0		0		0		0		1.2
Cyanide, total (Exygen/ Test America)						480	658	469	654	480	425	728	356	620	729	587	446	437	274											299	307	360	220	330	570	780
Cyanide, total (Clarkson Univ.)																	493	560	359	325	267	321	326	374	252	344	276	320	277							
Cyanide, free (Exygen/ Test America)						nd	nd	nd	nd	nd	12	10	nd	15	6	5	9	5	57											nd	6	4	2.4	nd	0.74	8.1
Cyanide, free (Clarkson Univ.)																nd	nd	nd	nd	nd	nd	nd	nd	nd	3.2	11.7	nd	nd	nd							
Water Elevation (feet)						578.66	578.30	577.40	577.58	578.69	577.83	577.18	578.11	577.40	577.29	578.54	577.83	577.91	578.61	577.44	578.19	577.63	578.95	577.19	578.37	577.83	578.16	577.95	578.44	577.53	580.42	577.09	578.03	576.78	589.28	577.67

All Units in µg/L

Appendix A - Groundwater and Surface Water Monitoring Results
2013 Periodic Review Report
Mineral Springs Road Former Manufactured Gas Plant Site

SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01	SW-01
DATE	Aug-95	May-96	Jul-97	Feb-98	Jun-99	Apr-00	Apr-01	Jul-01	Nov-01	Apr-02	Jun-02	Nov-02	Apr-03	Jul-03	Nov-03	Mar-04	Jun-04	Nov-04	Apr-05	Jul-05	Apr-06	Aug-06	Apr-07	Aug-07	Apr-08	Sep-08	Apr-09	Aug-09	Apr-10	Aug-10	Apr-11	Sep-11	Apr-12	Aug-12	Apr-13	Aug-13
Benzene			nd				nd	nd	nd	nd	nd	nd	nd	nd	nd	0.44	nd	nd	nd	nd	nd	nd	nd	Dry	nd	nd	nd	nd	nd	nd	nd	0.15	nd	nd	nd	nd
Toluene			nd				nd	nd	nd	nd	2	nd	nd	nd	nd	0.38	nd	nd	nd	0.47	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	0.22	nd	nd	nd	nd
Ethylbenzene			nd				nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.23	nd		nd	nd	nd	nd	nd	nd	nd	0.6	nd	nd	nd	nd
Xylene (sum of isomers)			nd				nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	0.54	nd	nd	nd	nd
Total BTEX			0				0	0	0	0	2	0	0	0	0	0.82	0	0	0	0.47	0	0.23	0		0	0	0	0	0	0	0	1.51	0	0	0	0
Naphthalene			nd				nd	2.9	nd	nd	nd	1.6	nd	nd	nd	nd	nd	nd	nd	nd	32	nd	nd		2.3	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Acenaphthylene			nd				nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Acenaphthene			nd				nd	1.1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Fluorene			nd				nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Phenanthrene			nd				nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Anthracene			nd				nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Fluoranthene			nd				nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.5	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Pyrene			nd				nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.4	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Benzo(a)Anthracene			nd				nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Chrysene			nd				nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Benzo(b)Fluoranthene			nd				nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Benzo(k)Fluoranthene			nd				nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Benzo(a)Pyrene			nd				nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Indeno(1,2,3-cd)Pyrene			nd				nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Dibenzo(a,h)Anthracene			nd				nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Benzo(g,h,i)Perylene			nd				nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
2-Methylnaphthalene							nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Total PAHs			0				0	4	0	0	0	1.6	0	0	0	0	0	0	0	0.9	32	0	0		2.3	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyanide, total (Exygen/ Test America)			12.2				21	55	35	8	405	21	13	88	36	989	40	38	9											12.6	30.3	11	16	96	14	nd		
Cyanide, total (Clarkson Univ.)																	46	53	10	5	4	24	nd		14	5	25	23	3.6								
Cyanide, free (Exygen/ Test America)							nd	16	nd	nd	29	6	nd	10	nd	86	6	19	nd										nd	6	nd	1.5	21	2.5	nd		
Cyanide, free (Clarkson Univ.)																98.1	nd	nd	3.2	2.4	2.3	2.4	5		nd	nd	nd	nd	2.6								
Water Elevation (feet)					579.80	580.40	580.10	580.00	580.10	581.00	579.60	579.80	580.70	581.40	582.00	582.30	580.60	581.30	581.30	579.90	581.60	580.20	582.80		581.57	581.80	581.55	580.83	582.25	580.19	580.19	580.19	581.6	580.6	581.95	581.65

All Units in µg/L

Appendix A - Groundwater and Surface Water Monitoring Results
2013 Periodic Review Report
Mineral Springs Road Former Manufactured Gas Plant Site

SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02	SW-02
DATE	Aug-95	May-96	Jul-97	Feb-98	Jun-99	Apr-00	Apr-01	Jul-01	Nov-01	Apr-02	Jun-02	Nov-02	Apr-03	Jul-03	Nov-03	Mar-04	Jun-04	Nov-04	Apr-05	Jul-05	Apr-06	Aug-06	Apr-07	Aug-07	Apr-08	Sep-08	Apr-09	Aug-09	Apr-10	Aug-10	Apr-11	Sep-11	Apr-12	Aug-12	Apr-13	Aug-13
Benzene			nd		nd	6	2	nd	nd	1.2	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	Dry	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Toluene			nd		nd	8	2	nd	nd	0.25	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd		nd	nd	nd	0.23	0.18	7.2	nd	nd	nd	nd	nd	nd
Ethylbenzene			nd		nd	15	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Xylene (sum of isomers)			nd		nd	24	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Total BTEX			0		0	53	4	0	0	1.45	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0.23	0.18	7.2	0	0	0	0	0	0
Naphthalene			nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd		0.94	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Acenaphthylene			nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Acenaphthene			nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Fluorene			nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Phenanthrene			nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd		nd	nd	nd	0.72	nd	nd	nd	nd	nd	nd	nd	nd
Anthracene			nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd		nd	nd	nd	nd	nd	0.19	nd	nd	nd	nd	nd	nd
Fluoranthene			nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd		nd	nd	nd	1.2	nd	0.63	nd	1.2	nd	0.5	nd	nd
Pyrene			nd		nd	nd	nd	0.77	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd		nd	nd	nd	1.1	nd	0.55	nd	0.92	nd	0.33	nd	nd
Benzo(a)Anthracene			nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd		nd	nd	nd	0.49	nd	1.5	nd	nd	nd	0.26	nd	nd
Chrysene			nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd		nd	nd	nd	0.85	nd	1.2	nd	nd	nd	0.3	nd	nd
Benzo(b)Fluoranthene			nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd		nd	nd	nd	1.2	nd	1.3	nd	1.7	nd	nd	nd	nd
Benzo(k)Fluoranthene			nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd		nd	nd	nd	nd	nd	1.2	nd	nd	nd	nd	nd	nd
Benzo(a)Pyrene			nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd		nd	nd	nd	0.63	nd	1.1	nd	nd	nd	nd	nd	nd
Indeno(1,2,3-cd)Pyrene			nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd		nd	nd	nd	nd	nd	1.3	nd	nd	nd	nd	nd	nd
Dibenzo(a,h)Anthracene			nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd		nd	nd	nd	nd	nd	1.3	nd	nd	nd	nd	nd	nd
Benzo(g,h,i)Perylene			nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd		nd	nd	nd	0.55	nd	1.5	nd	nd	nd	nd	nd	nd
2-Methylnaphthalene							nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Total PAHs			0		0	0	0	0.77	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0.94	0	0	6.74	0	11.77	0	3.82	0	1.39	0	0
Cyanide, total (Exygen/ Test America)			77.5		nd	380	121	nd	7	130	nd	1440	17	30	62	48	nd	24	nd										369	nd	93	45	14	95	nd
Cyanide, total (Clarkson Univ.)																	nd	50	nd	nd	3	nd	nd		86	86	16	141	4.4							
Cyanide, free (Exygen/ Test America)						111	nd	nd	nd	16	nd	42	nd	nd	nd	20	nd	12	nd										nd	6	11	11	nd	26	0.76
Cyanide, free (Clarkson Univ.)																19.2	nd	6.2	nd	nd	2.3	nd	8.6		50.7	10.1	nd	3.0	nd							
Water Elevation (feet, approximate)					580.3	580.9	580.6	580.5	580.6	581.5	580.1	580.3	581.1	581.8	582.4	582.7	581.0	581.7	581.7	580.3	582.0	580.6	583.2		---	---	---	---	---	---	---	---	---	---	---	---	---

All Units in µg/L

Appendix B

Annual Site Inspection Form

Annual Site Inspection Form

Mineral Springs Road Former MGP

Inspection by: Thomas P. Clark, P.E. Affiliation: AECOM Environment, Inc.

Signature: _____ Date: April 26, 2013 (Inspection Date)

ASPHALT CAP SOUTH OF BUILDING #3

Cracks or ruts ?	(Yes)	No
Erosion at edges ?	Yes	(No)
Blue-stained soil ?	Yes	(No)

Comments:
Seals disturbed on previously sealed cracks. Joints between new and old pavement area not sealed. These areas have been repaired since the inspection.

ASPHALT CAP EAST OF BUILDING #3

Cracks or ruts ?	(Yes)	No
Erosion at edges ?	Yes	(No)
Blue-stained soil ?	Yes	(No)

Comments: Small cracks observed. No action required.

ASPHALT CAP NORTH OF EASTERN SWALE

Cracks or ruts ?	(Yes)	No
Erosion at edges ?	Yes	(No)
Blue-stained soil ?	Yes	(No)

Comments: Continue Observation of Cracks

ASPHALT CAP SOUTH OF EASTERN SWALE

Cracks or ruts ?	Yes	(No)
Erosion at edges ?	Yes	(No)
Blue-stained soil ?	Yes	(No)

Comments:

HDPE/SOIL CAP IN EASTERN SWALE

Cracks or ruts ?	Yes	(No)
Erosion at edges ?	Yes	(No)
Blue-stained soil ?	Yes	(No)

Comments: Remove debris and plywood from cap

CLAY CAP BEHIND BUILDING #14

Animal dens ?	Yes	(No)
Erosion ?	Yes	(No)
Trees ?	Yes	(No)
Blue-stained soil ?	Yes	(No)

Comments:

EASTERN DRAINAGE DITCH

Animal dens ?	Yes	(No)
Erosion ?	Yes	(No)
Trees ?	Yes	(No)
Blue-stained soil ?	Yes	(No)
Hydrocarbon sheen ?	Yes	(No)
Inadequate Signage ?	Yes	(No)
Trash / Debris ?	Yes	(No)

Comments: Plastic pipe in ditch partially covered. Continue observation of pipe.

BACKFILLED EXCAVATIONS

Excessive settlement ?	Yes	(No)
Ponding of surface water ?	Yes	(No)
Tar boils ?	Yes	(No)
Blue-stained soil ?	Yes	(No)

Comments: Some bare areas noted. No action required.

CLASS D STREAM

Hydrocarbon sheen ?	Yes	(No)

Comments:

SITE FENCE

Damage / Holes ?	(Yes)	No

Comments: Fence replacment corrective measure completed November 15, 2013.

Appendix C

Photographs

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No.
National Fuel Gas Distribution Corp.	365 Mineral Springs Road, Buffalo, New York	60250836

Photo No.	Date:
1	4/26/13

Direction Photo Taken:

Looking West

Description:

Eastern Swale HDPE Cap. No issues identified.

Photo No.	Date:
2	4/26/13

Direction Photo Taken:

Looking South

Description:

Eastern Drainage Ditch. No issues identified.

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No.
National Fuel Gas Distribution Corp.	365 Mineral Springs Road, Buffalo, New York	60250836

Photo No.	Date:
3	4/26/13

Direction Photo Taken:

Looking Southeast.

Description:

Junction between Eastern Drainage Ditch and Class 2 Stream. No issues identified.

Photo No.	Date:
4	4/26/13

Direction Photo Taken:

Facing North

Description:

Building 8 West Asphalt Cap. Former location of Building 8. No issues identified.

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No.
National Fuel Gas Distribution Corp.	365 Mineral Springs Road, Buffalo, New York	60250836

Photo No.	Date:
5	8/9/13

Direction Photo Taken:

Facing North

Description:

Fence Replacement area on western property boundary where the corrective measure will be implemented

Photo No.	Date:
6	10/3/13

Direction Photo Taken:

Facing Northeast

Description:

Building 3 South Asphalt Cap. Note repaired and sealed area.

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No.
National Fuel Gas Distribution Corp.	365 Mineral Springs Road, Buffalo, New York	60250836

Photo No.	Date:
7	9/23/13

Direction Photo Taken:

Description:

CNG Expansion Trench Excavation. No Issues Identified

Appendix D

Institutional and Engineering Controls Certification Form

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

Site Details **Box 1**

Site No. **V00195**

Site Name NFG - Mineral Springs MGP

Site Address: 365 Mineral Springs Road Zip Code: 14210
City/Town: West Seneca
County: Erie
Site Acreage: 80.0

Reporting Period: October 02, 2012 to October 02, 2013

	YES	NO
1. Is the information above correct?	☒	☐
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?	☐	☒
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	☒
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period? *See **Note 1** below.*	☒	☐
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? *See **Note 1** below.*	☒	☐

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Commercial and Industrial	☒	☐
7. Are all ICs/ECs in place and functioning as designed? *See **Note 2** below.*	☐	☒

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.

Signature of Owner, Remedial Party or Designated Representative — Date: 1/24/14

Note 1: *NFG excavated new utility trenches for the CNG fueling station expansion discussed in Section 3. A building permit and site plan waiver were issued for the CNG expansion, included in Appendix E.*
Note 2: *A Corrective Measure Work Plan was submitted to NYSDEC on September 26, 2013 and approved by NYSDEC on October 1, 2013. NFG is currently implementing the corrective measure.*

Appendix E

CNG Expansion Building Permit

Site Plan

TOWN OF WEST SENECA
APPLICATION FOR SITE PLAN WAIVER

$150 Building Permit

Explanation: site plan waiver may be issued if a proposed project is minor in nature to the extent that a full site plan review by the Planning Board may not be necessary. In order for a project to be deemed minor and eligible for a site plan waiver, the Code Enforcement Officer, Town Engineer and Planning Board Chairman must Unanimously agree to approve a site plan waiver.

TO BE COMPLETED BY APPLICANT

DATE 4/29/13 FILE # _____

PROJECT NAME CNG EXPANSION

PROJECT LOCATION (Include address and distance to nearest intersection)
365 Mineral Springs .75 to Ogden .75 to Harlem

APPLICANT National Fuel Gas / Paul White PH/FAX 716 827-2345

ADDRESS 365 Mineral Springs

PROPERTY OWNER Same PH/FAX 716 827-5515

ADDRESS Same

PROJECT DESCRIPTION (Include all uses and any required construction)
Expansion for the CNG station for public fill. Accomodation for larger truck fueling. Drainage will be natural drain plus using 2 existing drains in front of property

SIZE OF LOT (acres) 1.00 ACREAGE TO BE REZONED _____

FILING FEE: NON-REFUNDABLE $ 150 (PAYABLE TO THE TOWN CLERK)

TO BE COMPLETED BY THE TOWN OF WEST SENECA

CRITERIA FOR WAIVER	Yes	No
1. The project is an addition to an existing structure of less than approximately (1,000) square feet or which represents less than 10% of the existing structure.	✓	
2. A change in use that consists of a similar use to the approved use in the structure And does not require additional parking.		
3. An accessory building to an approved use that is not visible from the road or adjoining Residential uses.		
4. Such other minor changes to an approved site plan as determined. (by regulating officials)		

TOWN CODE ENFORCEMENT (COMMENTS) J. Fuller add direction signage 5/3/13

TOWN ENGINEER (COMMENTS) 5/3/13

TOWN PLANNING BOARD CHAIRMAN (COMMENTS) 4/30/13

SITE PLAN WAIVER ISSUED (DATE) 5/3/13 (Copy of waiver to the Code Enforcement Office & Town Clerk)

Conditions of Waiver _____

Street Address | Subdivision

Sub. Lot Number

Application For Building Permit

Town of West Seneca 5/8/13

Account Number

TO THE HONORABLE TOWN BOARD:

Town of West Seneca, Erie Co., N.Y.

RECEIVED TOWN CLERKS OFFICE WEST SENECA 2013 MAY -8 PM

$250 ck 6657 LF

Application is Hereby Made for Permission to

							Structure
	Erect	a		Brick Veneer		Frame	
	Alter			Tile		Concrete Block	
	Repair			Stucco		Concrete Reinforced	
X	Extend			Stone		Heavy Timber	
	Move			Vinyl		Steel	
	Demolition						

To be used as a

	Single Dwelling		Attached Garage		Office Building		Shed		Fireplace
	Double Dwelling		Unattached Garage		Restaurant/Tavern		Fence		Wood Stove
	Apartment		Retail Store		Storage Building		Swim. Pool (Above)		
	Townhouse		Warehouse		Re-Roof		Swim. Pool (Inground)		
	Condo		Manufacturing Bldg.		Siding		Deck		
							Driveway		
X	Commercial Filling Station						Generator		

Size of completed building ______ feet wide ______ feet long ______ feet high ______ stories

The structure will be located on the (FRONT) REAR SIDE of Lot. No. ______ House No. 365 on the

NORTH EAST SOUTH WEST side of Mineral Springs Rd, beginning or in line with existing dwellings.

______ feet from House/Garage
______ feet from SIDE lot line
______ feet from FRONT lot line
______ feet from REAR lot line
______ ZBA Approved
______ Planning Board Approved
______ Off Easement

What other buildings, if any, are located on same lot? Commercial

The estimated cost of structure exclusive of land is $ 1,200,000.

How many families will occupy entire building when completed? ______

Name of building contractor Owner Address ______

Name of plumbing contractor ______ Address ______

The undersigned has submitted plans, specifications and a plot plan in duplicate which are hereto attached, incorporated into and made a part of this application.

In consideration of the granting of the permit hereby petitioned for the undersigned hereby agrees that if such permit is granted he will comply with the terms thereof, the Laws of the State of New York, the Ordinances of the Town of West Seneca and Regulations of the various departments of the Town and the State of New York: that he will preserve the established building line; give full notification to the building inspector; and that he will not use or permit to be used the structure or structures covered by the permit until a certificate of occupancy is legally issued.

The undersigned hereby certifies that all of the information contained in this petition is correct and true. I understand that by signing this application I give permission to the town officials to enter on to my property for inspections.

• Insurance on (File) / Fax • Inspections Required (Yes) No • Mail Permit to (Owner) (Contractor)

Extend CNG Filling Station

[signature] National Fuel
Record Owner Sign Here | Print Name Here

365 Mineral Springs Rd
Address | Phone No.

______
Architect or Contractor

______
Address | Phone No.

I do certify that I have examined the foregoing petition and building plans and that the premises described comply with the Building Code and Zoning Ordinances of the Town of West Seneca.

Remarks ______ [signature]
Code Enforcement Officer

Receipt is hereby acknowledged of the sum of $ $250.00, being the permit fee established by the Town Board of the Town of West Seneca, N.Y.

JACQUELINE A. FELSER, TOWN CLERK
Town Clerk

APPLICATION No. ______ Zoning M-1 Date Issued MAY 08 2013