Table 1
Confirmatory Soil Samples
Metals and Cyanide Analytical Results
National Fuel Gas Mineral Springs Former Manufactured Gas Plant
Fence Replacement Area Corrective Measure
November 2013

Location ID Sample Date Sample ID SDG	CAS #	NYSDEC Restricted Use SCO - Residential	CS-1 11/7/2013 CS-1-20131107 480497511	CS-2 11/7/2013 CS-2-20131107 480497511	CS-3 11/7/2013 CS-3-20131107 480497511	CS-3 DUP 11/7/2013 CS-53-20131107 480497511	CS-4 11/7/2013 CS-4-20131107 480497511	CS-5 11/7/2013 CS-5-20131107 480497511	CS-6 11/8/2013 CS-6-20131108 480497511	CS-7 11/7/2013 CS-7-20131107 480497511
Metals (mg/Kg)										
ALUMINUM	7429-90-5	NL	NS	NS	3570 J	4180 J	13000 J	NS	4160 J	7510 J
ANTIMONY	7440-36-0	NL	NS	NS	1.9 J	1.9 J	2.1 J	NS	2.6 J	3.5 J
ARSENIC	7440-38-2	16	**32.1 J**	**55.1 J**	**19.7 J**	**22.2 J**	**31.7 J**	**50.4 J**	**26.1 J**	**23.8 J**
BARIUM	7440-39-3	350	NS	NS	98.7 J	112 J	186 J	NS	105 J	204 J
BERYLLIUM	7440-41-7	14	NS	NS	0.38	0.46	1.1	NS	0.47	1.0
CADMIUM	7440-43-9	2.5	NS	NS	1.9 J	2.2 J	1.7 J	NS	2.0 J	4.5 J
CALCIUM	7440-70-2	NL	NS	NS	3640 J	4000 J	16500 J	NS	4530 J	15500 J
CHROMIUM, HEXAVALENT	18540-29-9	22	NS	NS	3.4 J	< 6.2	2.8 J	NS	< 7.0	4.0 J
CHROMIUM, TOTAL	7440-47-3	NL	NS	NS	10.1 J	11.8 J	16.7 J	NS	13.6 J	20.8 J
COBALT	7440-48-4	NL	NS	NS	3.9 J	5.3 J	6.9 J	NS	5.1 J	5.7 J
COPPER	7440-50-8	270	NS	NS	110 J	131 J	211 J	NS	139 J	127 J
IRON	7439-89-6	NL	NS	NS	19100 J	21200 J	28000 J	NS	25200 J	35000 J
LEAD	7439-92-1	400	NS	NS	299 J	331 J	406 J	NS	359 J	1510 J
MAGNESIUM	7439-95-4	NL	NS	NS	1110 J	1140 J	1470 J	NS	1090 J	3580 J
MANGANESE	7439-96-5	2000	NS	NS	149 J	230 J	391 J	NS	219 J	354 J
MERCURY	7439-97-6	0.81	**0.32 J**	**0.42 J**	**0.22 J**	**0.33 J**	**0.30 J**	**0.32 J**	**0.17 J**	**0.30 J**
NICKEL	7440-02-0	140	NS	NS	11.3 J	12.8 J	16.8 J	NS	17.3 J	17.7 J
POTASSIUM	7440-09-7	NL	NS	NS	506 J	556 J	1200 J	NS	547 J	816 J
SELENIUM	7782-49-2	36	NS	NS	0.67 J	1.3 J	1.1 J	NS	1.9 J	2.0 J
SILVER	7440-22-4	36	NS	NS	0.38 J	0.40 J	0.65 J	NS	0.58 J	< 1.1
SODIUM	7440-23-5	NL	NS	NS	223	257	333	NS	398	406
THALLIUM	7440-28-0	NL	NS	NS	< 8.7	< 8.6	< 10.1	NS	< 10.6	< 12.9
VANADIUM	7440-62-2	NL	NS	NS	11.1 J	12.3 J	24.8 J	NS	14.0 J	13.5 J
ZINC	7440-66-6	2200	NS	NS	439 J	481 J	302 J	NS	508 J	1390 J
Cyanide (mg/Kg)										
CYANIDE	57-12-5	27	**115 J**	**45.3 J**	**84.7 J**	**170 J**	**26.6 J**	**47.1 J**	**105 J**	**216 J**

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Fence Replacement Area Corrective Measure
November 2013

Location ID Sample Date Sample ID SDG	CAS #	NYSDEC Restricted Use SCO - Residential	CS-8 11/8/2013 CS-8-20131108 480497511	CS-9 11/8/2013 CS-9-20131108 480497511	CS-10 11/7/2013 CS-10-20131107 480497511	CS-11 11/7/2013 CS-11-20131107 480497511	CS-12 11/7/2013 CS-12-20131107 480497511	CS-13 11/7/2013 CS-13-20131107 480497511	CS-14 11/7/2013 CS-14-20131107 480497511
Metals (mg/Kg)									
ALUMINUM	7429-90-5	NL	3820 J	6920 J	NS	NS	NS	NS	NS
ANTIMONY	7440-36-0	NL	8.1 J	3.1 J	NS	NS	NS	NS	NS
ARSENIC	7440-38-2	16	**39.8 J**	**16.9 J**	**35.1 J**	**15.1 J**	**2.8 J**	**2.7 J**	**9.1 J**
BARIUM	7440-39-3	350	195 J	150 J	NS	NS	NS	NS	NS
BERYLLIUM	7440-41-7	14	0.40	0.44	NS	NS	NS	NS	NS
CADMIUM	7440-43-9	2.5	2.3 J	5.6 J	NS	NS	NS	NS	NS
CALCIUM	7440-70-2	NL	10800 J	18000 J	NS	NS	NS	NS	NS
CHROMIUM, HEXAVALENT	18540-29-9	22	< 5.6	< 6.5	NS	NS	NS	NS	NS
CHROMIUM, TOTAL	7440-47-3	NL	13.6 J	18.0 J	NS	NS	NS	NS	NS
COBALT	7440-48-4	NL	6.4 J	6.3 J	NS	NS	NS	NS	NS
COPPER	7440-50-8	270	329 J	92.5 J	NS	NS	NS	NS	NS
IRON	7439-89-6	NL	35200 J	24800 J	NS	NS	NS	NS	NS
LEAD	7439-92-1	400	574 J	1110 J	NS	NS	NS	NS	NS
MAGNESIUM	7439-95-4	NL	1810 J	6130 J	NS	NS	NS	NS	NS
MANGANESE	7439-96-5	2000	311 J	342 J	NS	NS	NS	NS	NS
MERCURY	7439-97-6	0.81	**0.26 J**	**0.13 J**	**0.42 J**	**0.11 J**	**0.031 J**	**0.017 J**	**0.038 J**
NICKEL	7440-02-0	140	16.4 J	20.3 J	NS	NS	NS	NS	NS
POTASSIUM	7440-09-7	NL	488 J	998 J	NS	NS	NS	NS	NS
SELENIUM	7782-49-2	36	1.2 J	1.0 J	NS	NS	NS	NS	NS
SILVER	7440-22-4	36	1.1	0.41 J	NS	NS	NS	NS	NS
SODIUM	7440-23-5	NL	220	193 J	NS	NS	NS	NS	NS
THALLIUM	7440-28-0	NL	< 8.0	< 9.9	NS	NS	NS	NS	NS
VANADIUM	7440-62-2	NL	13.2 J	13.7 J	NS	NS	NS	NS	NS
ZINC	7440-66-6	2200	530 J	836 J	NS	NS	NS	NS	NS
Cyanide (mg/Kg)									
CYANIDE	57-12-5	27	**30.4 J**	**29.7 J**	**33.5 J**	**17.6 J**	< 0.97 UJ	< 0.99 UJ	**1.8 J**

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Fence Replacement Area Corrective Measure
November 2013

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Metals (mg/Kg)									
ALUMINUM	7429-90-5	NL	NS	NS	NS	NS	NS	NS	NS
ANTIMONY	7440-36-0	NL	NS	NS	NS	NS	NS	NS	NS
ARSENIC	7440-38-2	16	**16.3 J**	**13.0 J**	**6.1 J**	**11.8 J**	**46.0 J**	**8.7 J**	**11.5 J**
BARIUM	7440-39-3	350	NS	NS	NS	NS	NS	NS	NS
BERYLLIUM	7440-41-7	14	NS	NS	NS	NS	NS	NS	NS
CADMIUM	7440-43-9	2.5	NS	NS	NS	NS	NS	NS	NS
CALCIUM	7440-70-2	NL	NS	NS	NS	NS	NS	NS	NS
CHROMIUM, HEXAVALENT	18540-29-9	22	NS	NS	NS	NS	NS	NS	NS
CHROMIUM, TOTAL	7440-47-3	NL	NS	NS	NS	NS	NS	NS	NS
COBALT	7440-48-4	NL	NS	NS	NS	NS	NS	NS	NS
COPPER	7440-50-8	270	NS	NS	NS	NS	NS	NS	NS
IRON	7439-89-6	NL	NS	NS	NS	NS	NS	NS	NS
LEAD	7439-92-1	400	NS	NS	NS	NS	NS	NS	NS
MAGNESIUM	7439-95-4	NL	NS	NS	NS	NS	NS	NS	NS
MANGANESE	7439-96-5	2000	NS	NS	NS	NS	NS	NS	NS
MERCURY	7439-97-6	0.81	**0.44 J**	**0.31 J**	**0.059 J**	**0.062 J**	**0.087 J**	**0.095 J**	**0.013 J**
NICKEL	7440-02-0	140	NS	NS	NS	NS	NS	NS	NS
POTASSIUM	7440-09-7	NL	NS	NS	NS	NS	NS	NS	NS
SELENIUM	7782-49-2	36	NS	NS	NS	NS	NS	NS	NS
SILVER	7440-22-4	36	NS	NS	NS	NS	NS	NS	NS
SODIUM	7440-23-5	NL	NS	NS	NS	NS	NS	NS	NS
THALLIUM	7440-28-0	NL	NS	NS	NS	NS	NS	NS	NS
VANADIUM	7440-62-2	NL	NS	NS	NS	NS	NS	NS	NS
ZINC	7440-66-6	2200	NS	NS	NS	NS	NS	NS	NS
Cyanide (mg/Kg)									
CYANIDE	57-12-5	27	**0.97 J**	**12.4 J**	**0.69 J**	**1.9 J**	**60.0 J**	**13.0 J**	**9.8 J**

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Table 2
Confirmatory Soil Samples
Organic Compounds Analytical Results
National Fuel Gas Mineral Springs Former Manufactured Gas Plant
Fence Replacement Area Corrective Measure
November 2013

Location ID Sample Date Sample ID SDG	CAS #	NYSDEC Restricted Use SCO - Residential	CS-3 11/7/2013 CS-3-20131107 480497511	CS-3 DUP 11/7/2013 CS-53-20131107 480497511	CS-4 11/7/2013 CS-4-20131107 480497511	CS-6 11/8/2013 CS-6-20131108 480497511	CS-7 11/7/2013 CS-7-20131107 480497511	CS-8 11/8/2013 CS-8-20131108 480497511	CS-9 11/8/2013 CS-9-20131108 480497511
Volatile Organic Compounds (mg/Kg)									
1,1,1-TRICHLOROETHANE	71-55-6	100	< 0.0064 UJ	< 0.0068 UJ	< 0.0077	< 0.0092	< 0.012	< 0.0065	< 0.0080
1,1,2,2-TETRACHLOROETHANE	79-34-5	NL	< 0.0064 UJ	< 0.0068 UJ	< 0.0077	< 0.0092	< 0.012	< 0.0065	< 0.0080
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	NL	< 0.0064 UJ	< 0.0068 UJ	< 0.0077	< 0.0092	< 0.012	< 0.0065	< 0.0080
1,1,2-TRICHLOROETHANE	79-00-5	NL	< 0.0064 UJ	< 0.0068 UJ	< 0.0077	< 0.0092	< 0.012	< 0.0065	< 0.0080
1,1-DICHLOROETHANE	75-34-3	19	< 0.0064 UJ	< 0.0068 UJ	< 0.0077	< 0.0092	< 0.012	< 0.0065	< 0.0080
1,1-DICHLOROETHENE	75-35-4	100	< 0.0064 UJ	< 0.0068 UJ	< 0.0077	< 0.0092	< 0.012	< 0.0065	< 0.0080
1,2,4-TRICHLOROBENZENE	120-82-1	NL	< 0.0064 UJ	< 0.0068 UJ	< 0.0077	< 0.0092	< 0.012	< 0.0065	< 0.0080
1,2,4-TRIMETHYLBENZENE	95-63-6	47	< 0.0064 UJ	< 0.0068 UJ	< 0.0077	< 0.0092	< 0.012	< 0.0065	< 0.0080
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	NL	< 0.0064 UJ	< 0.0068 UJ	< 0.0077	< 0.0092	< 0.012	< 0.0065	< 0.0080
1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	106-93-4	NL	< 0.0064 UJ	< 0.0068 UJ	< 0.0077	< 0.0092	< 0.012	< 0.0065	< 0.0080
1,2-DICHLOROBENZENE	95-50-1	100	< 0.0064 UJ	< 0.0068 UJ	< 0.0077	< 0.0092	< 0.012	< 0.0065	< 0.0080
1,2-DICHLOROETHANE	107-06-2	2.3	< 0.0064 UJ	< 0.0068 UJ	< 0.0077	< 0.0092	< 0.012	< 0.0065	< 0.0080
1,2-DICHLOROPROPANE	78-87-5	NL	< 0.0064 UJ	< 0.0068 UJ	< 0.0077	< 0.0092	< 0.012	< 0.0065	< 0.0080
1,3,5-TRIMETHYLBENZENE (MESITYLENE)	108-67-8	47	< 0.0064 UJ	< 0.0068 UJ	< 0.0077	< 0.0092	< 0.012	< 0.0065	< 0.0080
1,3-DICHLOROBENZENE	541-73-1	17	< 0.0064 UJ	< 0.0068 UJ	< 0.0077	< 0.0092	< 0.012	< 0.0065	< 0.0080
1,4-DICHLOROBENZENE	106-46-7	9.8	< 0.0064 UJ	< 0.0068 UJ	< 0.0077	< 0.0092	< 0.012	< 0.0065	< 0.0080
1,4-DIOXANE (P-DIOXANE)	123-91-1	9.8	< 0.26 UJ	< 0.27 UJ	< 0.31	< 0.37	< 0.47	< 0.26	< 0.32
2-HEXANONE	591-78-6	NL	< 0.032 UJ	< 0.034 UJ	< 0.039	< 0.046	< 0.058	< 0.032	< 0.04
ACETONE	67-64-1	100	< 0.032 UJ	< 0.034 UJ	< 0.039	< 0.046	< 0.058	< 0.032	< 0.04
BENZENE	71-43-2	2.9	< 0.0064 UJ	< 0.0068 UJ	< 0.0077	< 0.0092	< 0.012	< 0.0065	< 0.0080
BROMODICHLOROMETHANE	75-27-4	NL	< 0.0064 UJ	< 0.0068 UJ	< 0.0077	< 0.0092	< 0.012	< 0.0065	< 0.0080
BROMOFORM	75-25-2	NL	< 0.0064 UJ	< 0.0068 UJ	< 0.0077 UJ	< 0.0092 UJ	< 0.012 UJ	< 0.0065 UJ	< 0.0080
BROMOMETHANE	74-83-9	NL	< 0.0064 UJ	< 0.0068 UJ	< 0.0077	< 0.0092	< 0.012	< 0.0065	< 0.0080
CARBON DISULFIDE	75-15-0	NL	< 0.0064 UJ	< 0.0068 UJ	< 0.0077	< 0.0092	< 0.012	< 0.0065	< 0.0080
CARBON TETRACHLORIDE	56-23-5	1.4	< 0.0064 UJ	< 0.0068 UJ	< 0.0077	< 0.0092	< 0.012	< 0.0065	< 0.0080
CHLOROBENZENE	108-90-7	100	< 0.0064 UJ	< 0.0068 UJ	< 0.0077	< 0.0092	< 0.012	< 0.0065	< 0.0080
CHLOROETHANE	75-00-3	NL	< 0.0064 UJ	< 0.0068 UJ	< 0.0077	< 0.0092	< 0.012	< 0.0065	< 0.0080
CHLOROFORM	67-66-3	10	< 0.0064 UJ	< 0.0068 UJ	< 0.0077	< 0.0092	< 0.012	< 0.0065	< 0.0080
CHLOROMETHANE	74-87-3	NL	< 0.0064 UJ	< 0.0068 UJ	< 0.0077	< 0.0092	< 0.012	< 0.0065	< 0.0080
CIS-1,2-DICHLOROETHYLENE	156-59-2	59	< 0.0064 UJ	< 0.0068 UJ	< 0.0077	< 0.0092	< 0.012	< 0.0065	< 0.0080
CIS-1,3-DICHLOROPROPENE	10061-01-5	NL	< 0.0064 UJ	< 0.0068 UJ	< 0.0077	< 0.0092	< 0.012	< 0.0065	< 0.0080
CYCLOHEXANE	110-82-7	NL	< 0.0064 UJ	< 0.0068 UJ	< 0.0077	< 0.0092	< 0.012	< 0.0065	< 0.0080
DIBROMOCHLOROMETHANE	124-48-1	NL	< 0.0064 UJ	< 0.0068 UJ	< 0.0077	< 0.0092	< 0.012	< 0.0065	< 0.0080
DICHLORODIFLUOROMETHANE	75-71-8	NL	< 0.0064 UJ	< 0.0068 UJ	< 0.0077	< 0.0092	< 0.012	< 0.0065	< 0.0080
ETHYLBENZENE	100-41-4	30	< 0.0064 UJ	< 0.0068 UJ	< 0.0077	< 0.0092	< 0.012	< 0.0065	< 0.0080
ISOPROPYLBENZENE (CUMENE)	98-82-8	NL	< 0.0064 UJ	< 0.0068 UJ	< 0.0077	< 0.0092	< 0.012	< 0.0065	< 0.0080
METHYL ACETATE	79-20-9	NL	< 0.0064	< 0.0068	< 0.0077	< 0.0092	< 0.012	< 0.0065	< 0.0080
METHYL ETHYL KETONE (2-BUTANONE)	78-93-3	100	< 0.032 UJ	< 0.034 UJ	< 0.039	< 0.046	< 0.058	< 0.032	< 0.04

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METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	108-10-1	NL	< 0.032 UJ	< 0.034 UJ	< 0.039	< 0.046	< 0.058	< 0.032	< 0.04
METHYLCYCLOHEXANE	108-87-2	NL	< 0.0064 UJ	< 0.0068 UJ	< 0.0077	< 0.0092	< 0.012	< 0.0065	< 0.0080
METHYLENE CHLORIDE	75-09-2	51	< 0.0064	< 0.0068	< 0.0077	< 0.0092	< 0.012	< 0.0065	< 0.0080
N-BUTYLBENZENE	104-51-8	100	< 0.0064 UJ	< 0.0068 UJ	< 0.0077	< 0.0092	< 0.012	< 0.0065	< 0.0080
N-PROPYLBENZENE	103-65-1	100	< 0.0064 UJ	< 0.0068 UJ	< 0.0077	< 0.0092	< 0.012	< 0.0065	< 0.0080
SEC-BUTYLBENZENE	135-98-8	100	< 0.0064 UJ	< 0.0068 UJ	< 0.0077	< 0.0092	< 0.012	< 0.0065	< 0.0080
STYRENE	100-42-5	NL	< 0.0064 UJ	< 0.0068 UJ	< 0.0077	< 0.0092	< 0.012	< 0.0065	< 0.0080
T-BUTYLBENZENE	98-06-6	100	< 0.0064 UJ	< 0.0068 UJ	< 0.0077	< 0.0092	< 0.012	< 0.0065	< 0.0080
TERT-BUTYL METHYL ETHER	1634-04-4	62	< 0.0064	< 0.0068	< 0.0077	< 0.0092	< 0.012	< 0.0065	< 0.0080
TETRACHLOROETHYLENE(PCE)	127-18-4	5.5	< 0.0064 UJ	< 0.0068 UJ	< 0.0077	< 0.0092	< 0.012	< 0.0065	< 0.0080
TOLUENE	108-88-3	100	< 0.0064 UJ	< 0.0068 UJ	< 0.0077 UJ	< 0.0092 UJ	< 0.012 UJ	< 0.0065 UJ	< 0.0080
TRANS-1,2-DICHLOROETHENE	156-60-5	100	< 0.0064 UJ	< 0.0068 UJ	< 0.0077	< 0.0092	< 0.012	< 0.0065	< 0.0080
TRANS-1,3-DICHLOROPROPENE	10061-02-6	NL	< 0.0064 UJ	< 0.0068 UJ	< 0.0077	< 0.0092	< 0.012	< 0.0065	< 0.0080
TRICHLOROETHYLENE (TCE)	79-01-6	10	< 0.0064 UJ	< 0.0068 UJ	< 0.0077	< 0.0092	< 0.012	< 0.0065	< 0.0080
TRICHLOROFLUOROMETHANE	75-69-4	NL	< 0.0064 UJ	< 0.0068 UJ	< 0.0077	< 0.0092	< 0.012	< 0.0065	< 0.0080
VINYL CHLORIDE	75-01-4	0.21	< 0.0064 UJ	< 0.0068 UJ	< 0.0077	< 0.0092	< 0.012	< 0.0065	< 0.0080
XYLENES, TOTAL	XYLENES	NL	< 0.013 UJ	< 0.014 UJ	< 0.015	< 0.018	< 0.023	< 0.013	< 0.016
Polycyclic Aromatic Hydrocarbons (mg/Kg)									
2-METHYLNAPHTHALENE	91-57-6	NL	< 1.2	**0.016 J**	**0.032 J**	**0.078 J**	< 3.3	**0.19 J**	**0.022 J**
ACENAPHTHENE	83-32-9	100	< 1.2	< 0.26	**0.0075 J**	< 0.59	< 3.3	**0.014 J**	**0.015 J**
ACENAPHTHYLENE	208-96-8	100	< 1.2	**0.040 J**	**0.090 J**	**0.24 J**	< 3.3	**0.61 J**	**0.053 J**
ANTHRACENE	120-12-7	100	**0.072 J**	**0.023 J**	**0.048 J**	**0.16 J**	< 3.3	**0.35 J**	**0.064 J**
BENZO(A)ANTHRACENE	56-55-3	1	**0.38 J**	**0.17 J**	**0.33**	**1.1**	**0.92 J**	**3.3**	**0.40**
BENZO(A)PYRENE	50-32-8	1	**0.30 J**	**0.16 J**	**0.31**	**1.2**	**0.91 J**	**3.9**	**0.42**
BENZO(B)FLUORANTHENE	205-99-2	1	**0.62 J**	**0.33**	**0.54**	**2.8**	**1.8 J**	**7.6**	**0.59**
BENZO(G,H,I)PERYLENE	191-24-2	100	**0.086 J**	**0.062 J**	**0.12 J**	**0.44 J**	**0.42 J**	**1.3**	**0.14 J**
BENZO(K)FLUORANTHENE	207-08-9	1	**0.19 J**	**0.13 J**	**0.21 J**	**0.84**	**0.71 J**	**2.5**	**0.23 J**
CHRYSENE	218-01-9	1	**0.37 J**	**0.20 J**	**0.35**	**1.3**	**0.98 J**	**3.6**	**0.43**
DIBENZ(A,H)ANTHRACENE	53-70-3	0.33	< 1.2 UJ	**0.020 J**	**0.040 J**	< 0.59	< 3.3	< 1.2	< 0.27
FLUORANTHENE	206-44-0	100	**0.54 J**	**0.25 J**	**0.44**	**1.4**	**0.92 J**	**3.5**	**0.67**
FLUORENE	86-73-7	100	< 1.2	< 0.26	< 0.28	< 0.59	< 3.3	< 1.2	**0.022 J**
INDENO(1,2,3-C,D)PYRENE	193-39-5	0.5	**0.087 J**	**0.058 J**	**0.11 J**	**0.41 J**	**0.29 J**	**1.2**	**0.13 J**
NAPHTHALENE	91-20-3	100	< 1.2	< 0.26	**0.029 J**	< 0.59	< 3.3	**0.21 J**	**0.029 J**
PHENANTHRENE	85-01-8	100	**0.32 J**	**0.092 J**	**0.19 J**	**0.55 J**	**0.27 J**	**1.0 J**	**0.30**
PYRENE	129-00-0	100	**0.49 J**	**0.21 J**	**0.45**	**1.2**	**0.86 J**	**5.0 J**	**0.60**
Semi-Volatile Organic Compounds (mg/Kg)									
2,4,5-TRICHLOROPHENOL	95-95-4	NL	< 1.2	< 0.26	< 0.28	< 0.59	< 3.3	< 1.2	< 0.27
2,4,6-TRICHLOROPHENOL	88-06-2	NL	< 1.2	< 0.26	< 0.28	< 0.59	< 3.3	< 1.2	< 0.27
2,4-DICHLOROPHENOL	120-83-2	NL	< 1.2	< 0.26	< 0.28	< 0.59	< 3.3	< 1.2	< 0.27
2,4-DIMETHYLPHENOL	105-67-9	NL	< 1.2	< 0.26	< 0.28	< 0.59	< 3.3	< 1.2	< 0.27
2,4-DINITROPHENOL	51-28-5	NL	< 2.3	< 0.51	< 0.54	< 1.1	< 6.4	< 2.3	< 0.52
2,4-DINITROTOLUENE	121-14-2	NL	< 1.2	< 0.26	< 0.28	< 0.59	< 3.3	< 1.2	< 0.27
2,6-DINITROTOLUENE	606-20-2	NL	< 1.2	< 0.26	< 0.28	< 0.59	< 3.3	< 1.2	< 0.27
2-CHLORONAPHTHALENE	91-58-7	NL	< 1.2	< 0.26	< 0.28	< 0.59	< 3.3	< 1.2	< 0.27
2-CHLOROPHENOL	95-57-8	NL	< 1.2	< 0.26	< 0.28	< 0.59	< 3.3	< 1.2	< 0.27
2-METHYLPHENOL (O-CRESOL)	95-48-7	100	< 1.2	< 0.26	< 0.28	< 0.59	< 3.3	< 1.2	< 0.27
2-NITROANILINE	88-74-4	NL	< 2.3	< 0.51	< 0.54	< 1.1	< 6.4	< 2.3	< 0.52
2-NITROPHENOL	88-75-5	NL	< 1.2	< 0.26	< 0.28	< 0.59	< 3.3	< 1.2	< 0.27
3,3'-DICHLOROBENZIDINE	91-94-1	NL	< 1.2	< 0.26	< 0.28	< 0.59	< 3.3	< 1.2	< 0.27

Table 2
Confirmatory Soil Samples
Organic Compounds Analytical Results
National Fuel Gas Mineral Springs Former Manufactured Gas Plant
Fence Replacement Area Corrective Measure
November 2013

Location ID Sample Date Sample ID SDG	CAS #	NYSDEC Restricted Use SCO - Residential	CS-3 11/7/2013 CS-3-20131107 480497511	CS-3 DUP 11/7/2013 CS-53-20131107 480497511	CS-4 11/7/2013 CS-4-20131107 480497511	CS-6 11/8/2013 CS-6-20131108 480497511	CS-7 11/7/2013 CS-7-20131107 480497511	CS-8 11/8/2013 CS-8-20131108 480497511	CS-9 11/8/2013 CS-9-20131108 480497511
3-NITROANILINE	99-09-2	NL	< 2.3 UJ	< 0.51 UJ	< 0.54	< 1.1	< 6.4	< 2.3	< 0.52
4,6-DINITRO-2-METHYLPHENOL	534-52-1	NL	< 2.3	< 0.51	< 0.54	< 1.1	< 6.4	< 2.3	< 0.52
4-BROMOPHENYL PHENYL ETHER	101-55-3	NL	< 1.2	< 0.26	< 0.28	< 0.59	< 3.3	< 1.2	< 0.27
4-CHLORO-3-METHYLPHENOL	59-50-7	NL	< 1.2	< 0.26	< 0.28	< 0.59	< 3.3	< 1.2	< 0.27
4-CHLOROANILINE	106-47-8	NL	< 1.2	< 0.26	< 0.28	< 0.59	< 3.3	< 1.2	< 0.27
4-CHLOROPHENYL PHENYL ETHER	7005-72-3	NL	< 1.2	< 0.26	< 0.28	< 0.59	< 3.3	< 1.2	< 0.27
4-METHYLPHENOL (P-CRESOL)	106-44-5	34	< 2.3	< 0.51	< 0.54	< 1.1	< 6.4	< 2.3	< 0.52
4-NITROANILINE	100-01-6	NL	< 2.3 UJ	< 0.51 UJ	< 0.54	< 1.1	< 6.4	< 2.3	< 0.52
4-NITROPHENOL	100-02-7	NL	< 2.3	< 0.51	< 0.54	< 1.1	< 6.4	< 2.3	< 0.52
ACETOPHENONE	98-86-2	NL	< 1.2 UJ	< 0.26 UJ	< 0.28 UJ	< 0.59 UJ	< 3.3 UJ	< 1.2 UJ	< 0.27 UJ
ATRAZINE	1912-24-9	NL	< 1.2	< 0.26	< 0.28	< 0.59	< 3.3	< 1.2	< 0.27
BENZALDEHYDE	100-52-7	NL	< 1.2	< 0.26	< 0.28	< 0.59	< 3.3	< 1.2	< 0.27
BENZYL BUTYL PHTHALATE	85-68-7	NL	< 1.2	< 0.26	< 0.28	< 0.59	< 3.3	< 1.2	< 0.27
BIPHENYL (DIPHENYL)	92-52-4	NL	< 1.2	< 0.26	< 0.28	< 0.59	< 3.3	< 1.2	< 0.27
BIS(2-CHLOROETHOXY) METHANE	111-91-1	NL	< 1.2	< 0.26	< 0.28	< 0.59	< 3.3	< 1.2	< 0.27
BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	111-44-4	NL	< 1.2	< 0.26	< 0.28	< 0.59	< 3.3	< 1.2	< 0.27
BIS(2-CHLOROISOPROPYL) ETHER	108-60-1	NL	< 1.2	< 0.26	< 0.28	< 0.59 UJ	< 3.3 UJ	< 1.2	< 0.27
BIS(2-ETHYLHEXYL) PHTHALATE	117-81-7	NL	< 1.2	< 0.26	< 0.28	< 0.59	**1.3 J**	< 1.2	< 0.27
CAPROLACTAM	105-60-2	NL	< 1.2	< 0.26	< 0.28	< 0.59	< 3.3	< 1.2	< 0.27
CARBAZOLE	86-74-8	NL	< 1.2	**0.015 J**	**0.025 J**	**0.088 J**	< 3.3	**0.098 J**	**0.038 J**
DIBENZOFURAN	132-64-9	14	< 1.2	< 0.26	< 0.28	< 0.59	< 3.3	**0.069 J**	< 0.27
DIETHYL PHTHALATE	84-66-2	NL	< 1.2	< 0.26	< 0.28	< 0.59	< 3.3	< 1.2	< 0.27
DIMETHYL PHTHALATE	131-11-3	NL	< 1.2	< 0.26	< 0.28	< 0.59	< 3.3	< 1.2	< 0.27
DI-N-BUTYL PHTHALATE	84-74-2	NL	< 1.2	< 0.26	< 0.28	< 0.59	< 3.3	< 1.2	< 0.27
DI-N-OCTYLPHTHALATE	117-84-0	NL	< 1.2	< 0.26	< 0.28	< 0.59	< 3.3	< 1.2	< 0.27
HEXACHLOROBENZENE	118-74-1	0.33	< 1.2	< 0.26	< 0.28	< 0.59	< 3.3	< 1.2	< 0.27
HEXACHLOROBUTADIENE	87-68-3	NL	< 1.2	< 0.26	< 0.28	< 0.59	< 3.3	< 1.2	< 0.27
HEXACHLOROCYCLOPENTADIENE	77-47-4	NL	< 1.2	< 0.26	< 0.28	< 0.59	< 3.3	< 1.2	< 0.27
HEXACHLOROETHANE	67-72-1	NL	< 1.2	< 0.26	< 0.28	< 0.59	< 3.3	< 1.2	< 0.27
ISOPHORONE	78-59-1	NL	< 1.2	< 0.26	< 0.28	< 0.59	< 3.3	< 1.2	< 0.27
NITROBENZENE	98-95-3	NL	< 1.2	< 0.26	< 0.28	< 0.59	< 3.3	< 1.2	< 0.27
N-NITROSODI-N-PROPYLAMINE	621-64-7	NL	< 1.2	< 0.26	< 0.28	< 0.59	< 3.3	< 1.2	< 0.27
N-NITROSODIPHENYLAMINE	86-30-6	NL	< 1.2	< 0.26	< 0.28	< 0.59	< 3.3	< 1.2	< 0.27
PENTACHLOROPHENOL	87-86-5	2.4	< 2.3	< 0.51	< 0.54	< 1.1	< 6.4	< 2.3	< 0.52
PHENOL	108-95-2	100	< 1.2	< 0.26	< 0.28	< 0.59	< 3.3	< 1.2	< 0.27

Notes:
<0.010 = Not detected above given laboratory reporting limit.
Bold = Detected above reporting limit.
Gray highlighted cells exceed NYSDEC Part 375-6.8 Restricted Residential SCO's
NL = No limit has been established for analyte
SCO = Soil Cleanup Objectives, 6NYCRR Part 375-6.8, Remedial Program Soil Cleanup Objectives, Restricted Use Soil Cleanup Objectives - Residential, Table 375-6.8b, December 2006.
SDG - Sample Delivery Group
J = Concentration is estimated
UJ = Not detected. Quantation limit is estimated

Table 3
Residential Soil Samples
Metals and Cyanide Analytical Results
National Fuel Gas Mineral Springs Former Manufactured Gas Plant
Fence Replacement Area Corrective Measure
November 2013

Location ID Sample Date Sample ID SDG	CAS #	NYSDEC Restricted Use SCO - Residential	RS-1 11/7/2013 RS-1-20131107 480497511	RS-1 DUP 11/7/2013 RS-5-20131107 480497511	RS-2 11/7/2013 RS-2-20131107 480497511	RS-3 11/7/2013 RS-3-20131107 480497511	RS-4 11/7/2013 RS-4-20131107 480497511
Metals (mg/Kg)							
ARSENIC	7440-38-2	16	**10.3 J**	**8.4 J**	**10.7 J**	**8.6 J**	**6.7 J**
MERCURY	7439-97-6	0.81	**0.40 J**	**0.35 J**	**0.34 J**	**0.13 J**	**0.086**
Cyanide (mg/Kg)							
CYANIDE	57-12-5	27	**15.4 J**	**67.2 J**	**12.2 J**	**28.2 J**	**1.9 J**

Notes:
Gray highlighted cells exceed NYSDEC Part 375-6.8 Restricted Residential SCO's
Bold = Detected above reporting limit.
mg/Kg = Milligrams per kilogram
SCO = Soil Cleanup Objectives, 6NYCRR Part 375-6.8, Remedial Program Soil Cleanup Objectives, Restricted Use Soil Cleanup Objectives - Residential, Table 375-6.8b, December 2006.
SDG = Sample Delivery Group
J = Result is an estimate