

ATTACHMENT 2

***FINAL POST-REMEDIAL SUMMARY LABORATORY ANALYTICAL DATA FOR REMAINING SOIL
TABLES***

Table 2A
Base Post-Excavation Soil Samples (2014-2016)
Final Post-Remedial Summary Laboratory Analytical Data for Remaining Soil
PPG Site 63, 1 Burma Road, Jersey City, NJ
Sampled by CB&I

Client Sample ID:		NJ Non-Residential Direct Contact Soil (NJAC 7:26D 5/12)	NJ Residential Direct Soil (NJAC 7:26D 5/12)	NJ Default Impact to Groundwater Soil Screening (11/13)	PPG63/65_B61R2 (B01R)	PPG63/65_B06R2	PPG 63/65_B08	PPG63/65_B16 (B09R2/B12R)	PPG63/65_B10	PPG63/65_B13 (B11R)	PPG 63/65_B14	PPG63/65_B19R (B15R2)
Sample Depth (ft bgs):					5.8-6.3	4.8-5.3	4.7-5.2	7.6-8.1	5.2-5.7	6.7-7.2	6-6.5	9.3-9.8
Sample Elevation (ft msl):					1.7-2.2	3-3.5	3-3.5	0-0.5	2.5-3	1-1.5	1-1.5	-2.8 - (-2.3)
Excavated:												
Lab Sample ID:					JB85013-3	JB86481-1	JB72034-6	JB74072-1	JB73044-2	JB73863-2	JB73940-1	JB88436-1
Date Sampled:					12/22/2014	1/14/2015	7/18/2014	8/14/2014	7/31/2014	8/12/2014	8/13/2014	2/18/2015
Matrix:					Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Metals Analysis												
Antimony	mg/kg	450	31	6	<2.5	<2.6 NJ-	<2.1	<2.3 NJ-	<2.3 NJ-	<2.5	<2.5 NJ-	<5.4 NJ-
Chromium	mg/kg	120,000	-	-	22.6	89.6 *J	285 NJ+	21.6	136	30.2	318	23.6
Nickel	mg/kg	23,000	1,600	205**	14.8	<5.2	18.7	16 NJ-	17.5	12.9	16.3	16.5
Thallium	mg/kg	79	5	3	<1.2	<1.3	<1.1	<1.1	<1.1	<1.3	<1.2	<2.7
Vanadium	mg/kg	1,100	390	NA	22.9	<6.5	34.9	30.6	32.2	23.2	42	32.9
General Chemistry												
Chromium, Hexavalent	mg/kg	20	-	-	3.8 / <0.51	2.4 NJ- / 3.7 NJ-	1.3 NJ-	0.76 *NJ- / 0.48 *NJ-	3.4 *J	<0.51 / 5.5 *NJ-	6.3 NJ- / 2.1 *NJ-	<1.1 NJ- / <1.1 NJ-
Iron, Ferrous	%	-	-	-	1.6	0.45	-	-	-	-	-	1.4
pH	su	-	-	-	8.65	8.2	7.77	8.8	8.25	8.99	10.23	8.48
Redox Potential Vs H2	mv	-	-	-	180	193	259	241	265	165	-98.1	255
Solids, Percent	%	-	-	-	78.4	77.6	86	88.3	84.6	78	82.2	37.3
Sulfide Screen		-	-	-	NEGATIVE	NEGATIVE	-	-	-	-	-	NEGATIVE
Total Organic Carbon	mg/kg	-	-	-	6,260	26,000	-	-	-	-	-	116,000

Analytical Data Qualifiers:

< - The analyte was not detected at the stated reporting limit.

* - Duplicate analysis not within control limits; indeterminate bias direction.

J - The reported result is an estimated value.

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EJ - The reported value is estimated because of the presence of interference; indeterminate bias direction.

N -The matrix spike sample recovery in the associated QC sample is not within QC limits.

J+ - The result is estimated and may be biased high.

J- -The result is estimated and may be biased low.

R - The reported result is rejected.

Notes:

** - Nickel site specific impact due to groundwater screen level method

calculated using SPLP laboratory methods; SPLP = Synthetic Precipitation Leaching Procedure.

^a - Analytical result in this location was not considered an exceedance because analyte of concern was compliance averaged below soil remediation standard.

^b - The ferrous iron test was analyzed after completion of Cr6 testing (outside of normal hold times for this parameter) in order to provide more information about the possible impact of the sample matrix on Cr6 recoveries.

^c - Multiple injections indicate possible sample non-homogeneity.

^d - The sulfide screen test was analyzed after completion of Cr6 testing (outside of normal hold times for this parameter) in order to provide more information about the possible impact of the sample matrix on Cr6 recoveries.

= Sample deemed usable due to acceptable insoluble recovery and secondary analytics.

ft msl = feet mean sea level

ft bgs = feet below ground surface

mg/kg = milligram per kilogram

su = standard unit

mv = millivolts

Result exceeded criteria

Table 2A
Base Post-Excavation Soil Samples (2014-2016)
Final Post-Remedial Summary Laboratory Analytical Data for Remaining Soil
PPG Site 63, 1 Burma Road, Jersey City, NJ
Sampled by CB&I

Client Sample ID:		NJ Non-Residential Direct Contact Soil (NJAC 7:26D 5/12)	NJ Residential Direct Soil (NJAC 7:26D 5/12)	NJ Default Impact to Groundwater Soil Screening (11/13)	PPG 63/65 B20 (B17R)	PPG63/65 B23 (B18R2)	PPG 63/65 B21	PPG63/65 B22	PPG 63/65 B24R	PPG 63/65 B25	PPG 63/65 B26	PPG 63/65 DUP-B26	PPG 63/65 B27R	PPG 63/65 B28
Sample Depth (ft bgs):					7.9-8.4	6.1-6.6	6.4-6.9	6.1-6.6	6.9-7.4	6.7-7.2	7-7.5	7-7.5	8.6-9.1	6.7-7.2
Sample Elevation (ft msl):					-1-(-0.5)	1-1.5	0.5-1	1-1.5	0.5-1.0	0-0.5	-0.3 - 0.2	-0.3-0.2	-1.2 - (-0.7)	0.8-1.3
Excavated:														
Lab Sample ID:					JB74503-3	JB75142-2	JB74503-4	JB75142-1	JB79265-2	JB76736-1	JB76736-2	JB76736-3	JB77761-2	JB77329-2
Date Sampled:					8/20/2014	8/27/2014	8/20/2014	8/27/2014	10/15/2014	9/16/2014	9/16/2014	9/16/2014	9/25/2014	9/23/2014
Matrix:					Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Metals Analysis														
Antimony	mg/kg	450	31	6	<2.3 NJ-	<2.3	<2.3 NJ-	<2.2	<4.9 NJ-	<2.3 NJ-	<2.4 NJ-	<2.4 NJ-	<4.8 NJ-	<2.3 NJ-
Chromium	mg/kg	120,000	-	-	57.3 *NJ	1260	15.7 *NJ	34	63.1	21 EJ	19.2 EJ	20.4 EJ	389	69
Nickel	mg/kg	23,000	1,600	205**	15.2 *NJ	14.4 NJ-	13.9 *NJ	14.6 NJ-	12.9	18.1	14.7	13.6	11.3	16.5
Thallium	mg/kg	79	5	3	<1.2	<1.2	<1.1	<1.1	<2.5	<1.2	<1.2	<1.2	<2.4	<1.1
Vanadium	mg/kg	1,100	390	NA	26.4	36.3 NJ-	22	33.1 NJ-	24.8	27.4 EJ	25.1 EJ	24.8 EJ	42.3	29
General Chemistry														
Chromium, Hexavalent	mg/kg	20	-	-	2.6 *NJ- / <0.46 NJ-	0.79 NJ- / 7.2 NJ-	0.69 *NJ- / <0.46 NJ-	1.5 NJ- / 0.8 NJ-	<0.99 NJ+ / 2.2	<0.46 NJ-	<0.48 NJ-	<0.47 NJ-	2.0 NJ-	0.95 *NJ+
Iron, Ferrous	%	-	-	-	-	0.97	-	-	-	-	-	-	-	-
pH	su	-	-	-	9.58	10.48	8.56	9.8	8.5	7.85	8.26	7.93	8.88	9.16
Redox Potential Vs H2	mv	-	-	-	13.6	-95.4	96.7	143	185	201	190	168	41.5	196
Solids, Percent	%	-	-	-	87.1	82.2	86.9	87.8	40.6	86.6	83.5	84.9	40	90
Sulfide Screen		-	-	-	-	NEGATIVE	-	-	-	-	-	-	-	-
Total Organic Carbon	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-

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Sample Depth (ft bgs):					7.8-8.3	5.2-5.8	7.6-8.1	4.8-5.3	0.2-0.7	0.2-0.7	0.6-1.1	4.7-5.2	5.9-6.4	6.2-6.7	0-0.5
Sample Elevation (ft msl):					-0.8 - (-0.3)	2.7-3.3	-0.2-0.3	3.2-3.7	9-9.5	9-9.5	7.9-8.4	2.8-3.3	1.6-2.1	1.3-1.8	9-9.5
Excavated:															
Lab Sample ID:					JB77761-1	JB79068-1	JB79265-1	JB79265-3	JB79649-3	JB79649-13	JB79649-6	JB80083-1	JB80083-2	JB80083-3	JB80262-2
Date Sampled:					9/25/2014	10/13/2014	10/15/2014	10/15/2014	10/20/2014	10/20/2014	10/20/2014	10/24/2014	10/24/2014	10/24/2014	10/28/2014
Matrix:					Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Metals Analysis															
Antimony	mg/kg	450	31	6	2.9	<2.3 NJ-	<2.4 NJ-	<2.4 NJ-	<2.2 NJ-	<2.3 NJ-	<2.2 NJ-	<2.8 NJ-	<2.5 NJ-	<2.5 NJ-	<2.3 NJ-
Chromium	mg/kg	120,000	-	-	3640	120	43.2	148	96.5	109	56	22.7	2110	18.3	55.4 NJ+
Nickel	mg/kg	23,000	1,600	205**	12.7	11.2	13.1	14.1	21.5	21.4	33.9	13.8	18.6	14.2	22.9
Thallium	mg/kg	79	5	3	<6.3 ^a	<1.1	<1.2	<1.2	<1.1	<1.1	<1.1	<1.4	<1.2	<1.3	<1.1
Vanadium	mg/kg	1,100	390	NA	62.9	19	25.2	13.5	28.9	27.7	54.4	20.4	48	22.6	27.4
General Chemistry															
Chromium, Hexavalent	mg/kg	20	-	-	0.6 NJ-	5.6	4.9 NJ+ / 0.84	14.4 NJ+ / 13	2.5 *NJ- / 1.3 *NJ-	1.9 *NJ- / 1 *NJ-	1.9 *NJ- / 3.1 *NJ-	0.56 NJ- / 1.4 NJ-	19 NJ- / 2.3 NJ-	<0.51 NJ-	4.7 NJ- / 4 NJ-
Iron, Ferrous	%	-	-	-	-	-	-	-	-	-	-	1.4	-	-	-
pH	su	-	-	-	9.72	7.93	9.61	7.91	7.54	6.91	7.64	8.46	9.32	8.41	7.7
Redox Potential Vs H2	mv	-	-	-	-86.7	255	137	278	616	547	522	231	152	183	298
Solids, Percent	%	-	-	-	78.5	86.9	82.6	81.2	89.5	90.4	93.5	73.2	81.5	78.2	89.4
Sulfide Screen		-	-	-	-	-	-	-	-	-	-	NEGATIVE	-	-	-
Total Organic Carbon	mg/kg	-	-	-	-	-	-	-	-	-	-	11,700	-	-	-

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Sample Depth (ft bgs):					1-1.5	1.4-1.9	7.1-7.6	8.4-8.9	8.4-8.9	8.7-9.2	4-4.5	4-4.5	4.2-4.7	5.1-5.6	3.8-4.3
Sample Elevation (ft msl):					8-8.5	7.7-8.2	0.3-0.8	-1-(-0.5)	-1-(-0.5)	-0.8 - (-1.3)	3.5-4	3.5-4	3.3-3.8	2.8-3.3	3.7-4.2
Excavated:															
Lab Sample ID:					JB80262-3	JB80262-5	JB80445-2	JB80445-3	JB80445-5	JB80851-5	JB82305-1	JB80538-4	JB80538-6	JB80640-1	JB80640-3
Date Sampled:					10/28/2014	10/28/2014	10/29/2014	10/29/2014	10/29/2014	11/4/2014	11/19/2014	10/30/2014	10/30/2014	10/31/2014	10/31/2014
Matrix:					Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil

Metals Analysis															
Antimony	mg/kg	450	31	6	<2.1 NJ-	<2.1 NJ-	<2.7 NJ-	<5.6 NJ-	<2.3 NJ-	<6.9 NJ- ^a	<2.0 NJ-	<2.4 NJ-	<2.5 NJ-	<2.2	<2.4
Chromium	mg/kg	120,000	-	-	95.1 NJ+	122 NJ+	2920 NJ-	56.9 NJ-	15.9 NJ-	128 NJ-	17.7	16.2	22.6	367 NJ+	649 NJ+
Nickel	mg/kg	23,000	1,600	205**	46.5	50.8	12.6	30.4 J	9 J	<14	13.5	12.7	14.6	15.2	14.4
Thallium	mg/kg	79	5	3	<1.1	<1.0	<1.3	<2.8	<1.2	<3.4 ^a	<0.98	<1.2	<1.2	<1.1	<1.2
Vanadium	mg/kg	1,100	390	NA	41.8	43.7	41.8	44.2 J	16.2 J	22.3	27.3	21.3	21.6	32.9	32.8

General Chemistry															
Chromium, Hexavalent	mg/kg	20	-	-	2.6 NJ- / 1.6 NJ-	4.5 NJ- / 3.8 NJ-	14.3 NJ- / 5.1 NJ-	2 NJ- / <1.2 NJ-	<0.49 NJ- / 2.4 NJ-	<1.4	1.4	1.3 NJ / <0.48 *NJ-	1.8 NJ- / <0.48 *NJ-	5.7 NJ- / 3 NJ-	8 NJ- / 12.5 NJ-
Iron, Ferrous	%	-	-	-	0.52	-	-	-	-	-	-	-	-	-	-
pH	su	-	-	-	7.48	7.76	9.67	8.8	8.54	7.74	8.2	7.88	7.95	8.62	8.01
Redox Potential Vs H2	mv	-	-	-	290	301	52.9	93.3	184	259	167	141	139	166	97.7
Solids, Percent	%	-	-	-	92	91.2	74.6	34.4	81.2	28.2	73.4	82.9	83.3	84.9	81.6
Sulfide Screen		-	-	-	NEGATIVE	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon	mg/kg	-	-	-	32,800	-	-	-	-	-	-	-	-	-	-

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Sample Depth (ft bgs):					3.9-4.4	2-2.5	0-0.5	4.2-4.7	3.5-4	1.5-2	3.2-3.7	1.9-2.4	0.5-1	1.7-2.2	2.1-2.6
Sample Elevation (ft msl):					4.3-4.8	6-6.5	7.2-7.7	3.3-3.8	4-4.5	7.2-7.7	4.9-5.4	5.3-5.8	6.7-7.2	5.5-6.0	5.1-5.6
Excavated:															
Lab Sample ID:					JB80851-4	JB81729-5	JB80992-4	JB80992-5	JB80992-6	JB81497-1	JB81729-3	JB82085-4	JB82085-5	JB82617-2	JB82617-3
Date Sampled:					11/4/2014	11/13/2014	11/5/2014	11/5/2014	11/5/2014	11/10/2014	11/12/2014	11/18/2014	11/18/2014	11/24/2014	11/24/2014
Matrix:					Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Metals Analysis															
Antimony	mg/kg	450	31	6	<2.4 NJ-	<2.2 NJ-	<2.5 NJ-	<2.6 NJ-	<2.4 NJ-	<2.2 NJ-	<2.7 NJ-	<2.6 NJ-	<2.2 NJ-	<2.6 NJ-	<2.1 NJ-
Chromium	mg/kg	120,000	-	-	15.2 NJ-	99.5 *NJ	124 NJ-	123 NJ-	10.8 NJ-	49.3 ENJ+	19.5 *NJ	129 *NJ	99.9 *NJ	1060 NJ+	31.6 NJ+
Nickel	mg/kg	23,000	1,600	205**	11.4	59.2 NJ-	57	15.3	10.5	10	12.8 NJ-	26.2 NJ-	13.3 NJ-	30.9	16.3
Thallium	mg/kg	79	5	3	<1.2	<1.1 NJ-	<1.2	<1.3	<1.2	<1.1	<1.3 NJ-	<1.3 NJ-	<1.1 NJ-	<1.3	<1.0
Vanadium	mg/kg	1,100	390	NA	22	25.7 NJ-	42.3	23.7	14.3	17.5 EJ	23.6 NJ-	35.6 NJ-	20.6 NJ-	59.2	18.7
General Chemistry															
Chromium, Hexavalent	mg/kg	20	-	-	<0.47	0.94 *NJ- / 0.88 NJ-	0.49 *NJ- / 2.4 NJ-	2.1 *NJ- / 1.4 NJ-	4.4 *NJ- / 1.1NJ-	2.4 NJ- / 4.6 NJ-	<0.53 *NJ- / <0.53 NJ-	<0.53	8.5	16.2	<0.43
Iron, Ferrous	%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH	su	-	-	-	7.89	8.6	8.24	8.3	8.29	9.22	7.24	8.59	9.02	8.44	7.56
Redox Potential Vs H2	mv	-	-	-	233	272	277	107	121	286	119	338	276	288	284
Solids, Percent	%	-	-	-	85.2	93.2	84.3	77	82.3	89.3	76	75.3	88	74.8	93.6
Sulfide Screen		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Analytical Data Qualifiers:

- < - The analyte was not detected at the stated reporting limit.
- * - Duplicate analysis not within control limits; indeterminate bias direction.
- J - The reported result is an estimated value.
- *J - Duplicate analysis not within control limits; result is estimated with indeterminate bias direction.
- EJ - The reported value is estimated because of the presence of interference; indeterminate bias direction.

- N -The matrix spike sample recovery in the associated QC sample is not within QC limits.
- J+ - The result is estimated and may be biased high.
- J- -The result is estimated and may be biased low.
- R - The reported result is rejected.

Notes:

- ** - Nickel site specific impact due to groundwater screen level method calculated using SPLP laboratory methods; SPLP = Synthetic Precipitation Leaching Procedure.
- ^a - Analytical result in this location was not considered an exceedance because analyte of concern was compliance averaged below soil remediation standard.
- ^b - The ferrous iron test was analyzed after completion of Cr6 testing (outside of normal hold times for this parameter) in order to provide more information about the possible impact of the sample matrix on Cr6 recoveries.
- ^c - Multiple injections indicate possible sample non-homogeneity.
- ^d - The sulfide screen test was analyzed after completion of Cr6 testing (outside of normal hold times for this parameter) in order to provide more information about the possible impact of the sample matrix on Cr6 recoveries.

= Sample deemed usable due to acceptable insoluble recovery and secondary analytics.

- ft msl = feet mean sea level
- ft bgs = feet below ground surface
- mg/kg = milligram per kilogram
- su = standard unit
- mv = millivolts

Result exceeded criteria

Table 2A
Base Post-Excavation Soil Samples (2014-2016)
Final Post-Remedial Summary Laboratory Analytical Data for Remaining Soil
PPG Site 63, 1 Burma Road, Jersey City, NJ
Sampled by CB&I

Client Sample ID:		NJ Non-Residential Direct Contact Soil (NJAC 7:26D 5/12)	NJ Residential Direct Soil (NJAC 7:26D 5/12)	NJ Default Impact to Groundwater Soil Screening (11/13)	PPG 63/65 DUP-B60	PPG63/65 B61R2 (B01R)	PPG63/65 B62	PPG63/65 B63	PPG63/65 B64R#	PPG63/65 DUP-B64R	PPG 63/65 B66	PPG 63/65 B68	PPG63/65 B69
Sample Depth (ft bgs):					2.1-2.6	5.8-6.3	2.8-3.3	2.4-2.9	9.6-10.1	9.6-10.1	8.1-8.6	6.5-7	5.5-6
Sample Elevation (ft msl):					5.1-5.6	1.7-2.2	4.8-5.3	4.8-5.3	-3.1 - (-2.6)	-3.1 - (-2.6)	0.4- (-0.1)	0.1-(-0.4)	2.5-3
Excavated:													
Lab Sample ID:					JB82617-4	JB85013-3	JB83152-5	JB83152-7	JB85013-4	JB85013-5	JB84204-2	JB84204-3	JB84487-2
Date Sampled:					11/24/2014	12/22/2014	12/3/2014	12/3/2014	12/23/2014	12/23/2014	12/12/2014	12/12/2014	12/17/2014
Matrix:					Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil

Metals Analysis													
Antimony	mg/kg	450	31	6	<2.6 NJ-	<2.5 NJ-	<3.0 NJ-	<2.3 NJ-	<2.3 NJ-	<2.3 NJ-	<2.5 NJ-	<2.8 NJ-	<2.5 NJ-
Chromium	mg/kg	120,000	-	-	22.7 NJ+	22.6	905	68.9	12.5	19.3	138	305	84.9
Nickel	mg/kg	23,000	1,600	205**	15.9	14.8	18.6	20	11	10.1	13.7	26.9	17.7
Thallium	mg/kg	79	5	3	<1.3	<1.2	<1.5	<1.1	<1.1	<1.2	<1.3	<1.4	<1.2
Vanadium	mg/kg	1,100	390	NA	16.7	22.9	34.4	27.1	19.6	20.8	28	33.5	30.6

General Chemistry													
Chromium, Hexavalent	mg/kg	20	-	-	<0.52	3.8 *NJ- / <0.51 NJ-	<0.61 NJ- / 2.2 *NJ-	0.72 NJ- / 1.1 *NJ-	<0.46*NJ- / <0.46 NJ-	0.61 *NJ- / <0.46	2.4 NJ+ / <0.50 NJ-	<0.57 N / <0.57 NJ-	<0.50 *NJ
Iron, Ferrous	%	-	-	-	-	1.6	-	-	-	-	-	-	-
pH	su	-	-	-	7.52	8.65	7.43	7.13	8.54	7.63	7.31	8.42	7.37
Redox Potential Vs H2	mv	-	-	-	282	180	251	205	174	183	250	266	65.9
Solids, Percent	%	-	-	-	76.4	78.4	66.1	84	86.8	86.3	80.8	70.2	80.5
Sulfide Screen		-	-	-	-	NEGATIVE	-	-	-	-	-	-	-
Total Organic Carbon	mg/kg	-	-	-	-	6,260	-	-	-	-	-	-	-

Analytical Data Qualifiers:

- < - The analyte was not detected at the stated reporting limit.
- * - Duplicate analysis not within control limits; indeterminate bias direction.
- J - The reported result is an estimated value.
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- R - The reported result is rejected.

Notes:

- ** - Nickel site specific impact due to groundwater screen level method calculated using SPLP laboratory methods; SPLP = Synthetic Precipitation Leaching Procedure.
- ^a - Analytical result in this location was not considered an exceedance because analyte of concern was compliance averaged below soil remediation standard.
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= Sample deemed usable due to acceptable insoluble recovery and secondary analytics.

- ft msl = feet mean sea level
- ft bgs = feet below ground surface
- mg/kg = milligram per kilogram
- su = standard unit
- mv = millivolts

Result exceeded criteria

Table 2A
Base Post-Excavation Soil Samples (2014-2016)
Final Post-Remedial Summary Laboratory Analytical Data for Remaining Soil
PPG Site 63, 1 Burma Road, Jersey City, NJ
Sampled by CB&I

Client Sample ID:		NJ Non-Residential Direct Contact Soil (NJAC 7:26D 5/12)	NJ Residential Direct Soil (NJAC 7:26D 5/12)	NJ Default Impact to Groundwater Soil Screening (11/13)	PPG63/65 B71	PPG63/65 B72	PPG63/65 B74#	PPG63/65 B75R	PPG63/65 B76	PPG63/65 B77R	PPG63/65 B78	PPG63/65 B79	PPG63/65 B80	PPG63/65 B81
Sample Depth (ft bgs):					4.2-4.7	3.7-4.2	9.8-10.3	2.4-2.9	7.5-8	7.6-8.1	1.7-2.2	5.1-5.6	5.1-5.6	2.1-2.6
Sample Elevation (ft msl):					3.9-4.4	4.3-4.8	-2.9-(-2.4)	5.7-6.2	-0.7-(-0.2)	-0.5-0.0	6.2-6.7	1-1.5	3-3.5	5.8-6.3
Excavated:														
Lab Sample ID:					JB85013-1	JB85013-2	JB85287-1	JB86000-2	JB85756-1	JB86481-2	JB85840-2	JB86000-3	JB86000-4	JB86141-5
Date Sampled:					12/22/2014	12/22/2014	12/30/2014	1/8/2015	1/5/2015	1/14/2015	1/7/2015	1/9/2015	1/9/2015	1/12/2015
Matrix:					Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Metals Analysis														
Antimony	mg/kg	450	31	6	<2.2 NJ-	<2.4 NJ-	<3.0 NJ-	<2.6 NJ-	<2.4 NJ-	<2.3 NJ-	<2.6 NJ-	<2.4 NJ-	<2.5 NJ-	<2.7 NJ-
Chromium	mg/kg	120,000	-	-	29.8	14.8	630	24.4	30.2	56.3 *J	65.4	8.8	12	20.8
Nickel	mg/kg	23,000	1,600	205**	14.2	12.8	9.7	15.5	14.8	12.1	28.8	8.8	11.6	14.3
Thallium	mg/kg	79	5	3	<1.1	<1.2	<1.5	<1.3	<1.2	<1.2	<1.3	<1.2	<1.2	<1.4
Vanadium	mg/kg	1,100	390	NA	29	22.9	16.8	33.9	31 EJ	27.2	53.7 EJ	9.9	18.6	16.1
General Chemistry														
Chromium, Hexavalent	mg/kg	20	-	-	0.73 *NJ- / <0.47 NJ-	<0.50 *NJ- / <0.50NJ-	<0.59 NJ	<0.51NJ-	<0.47 NJ- / 0.56 NJ-	2.4 NJ- / 0.9 NJ-	<0.55 *NJ- / 0.58 *NJ-	<0.48 *NJ-	<0.49 *NJ-	<0.55 *NJ
Iron, Ferrous	%	-	-	-	-	-	-	-	1.4 ^c	-	-	-	-	-
pH	su	-	-	-	7.5	8.15	8.33	8.46	7.74	8.79	7.41	7.92	7.82	7.65
Redox Potential Vs H2	mv	-	-	-	184	216	308	202	159	166	245	231	183	344
Solids, Percent	%	-	-	-	84.8	80.5	67.4	79.1	84.9	88	72.6	83.1	82	73.2
Sulfide Screen		-	-	-	-	-	-	-	NEGATIVE ^d	-	-	-	-	-
Total Organic Carbon	mg/kg	-	-	-	-	-	-	-	933	-	-	-	-	-

Analytical Data Qualifiers:

< - The analyte was not detected at the stated reporting limit.

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Notes:

** - Nickel site specific impact due to groundwater screen level method

calculated using SPLP laboratory methods; SPLP = Synthetic Precipitation Leaching Procedure.

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= Sample deemed usable due to acceptable insoluble recovery and secondary analytics.

ft msl = feet mean sea level

ft bgs = feet below ground surface

mg/kg = milligram per kilogram

su = standard unit

mv = millivolts

Result exceeded criteria

Table 2A
Base Post-Excavation Soil Samples (2014-2016)
Final Post-Remedial Summary Laboratory Analytical Data for Remaining Soil
PPG Site 63, 1 Burma Road, Jersey City, NJ
Sampled by CB&I

Client Sample ID:		NJ Non-Residential Direct Contact Soil (NJAC 7:26D 5/12)	NJ Residential Direct Soil (NJAC 7:26D 5/12)	NJ Default Impact to Groundwater Soil Screening (11/13)	PPG 63/65 B84	PPG63/65 B89	PPG63/65 B90	PPG63/65 B91	PPG63/65 B92	PPG63/65 B93	PPG63/65 B94	PPG63/65 B95	PPG63/65 B97	PPG63/65 B104	PPG63/65 B105
Sample Depth (ft bgs):					4.1-4.6	2.8-3.3	3.1-3.6	3.1-3.6	3.6-4.1	2.6-3.1	1.4-1.9	3.9-4.4	1.1-1.6	1.9-2.4	1.6-2.1
Sample Elevation (ft msl):					3.7-4.2	5.8-6.3	5.5-6.0	5-5.5	5-5.5	6-6.5	7.2-7.7	4.7-5.2	6.2-6.7	6.7-7.2	6.3-6.8
Excavated:															
Lab Sample ID:					JB86669-1	JB87496-1	JB87496-2	JB87496-3	JB87595-1	JB87701-1	JB87701-2	JB87890-1	JB87981-4	JB88725-4	JB88785-2
Date Sampled:					1/16/2015	2/2/2015	2/3/2015	2/3/2015	2/4/2015	2/5/2015	2/5/2015	2/6/2015	2/10/2015	2/24/2015	2/25/2015
Matrix:					Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil

Metals Analysis															
Antimony	mg/kg	450	31	6	<2.3 NJ-	<2.3 NJ-	<2.4 NJ-	<2.5 NJ-	<2.5 NJ-	<2.2 NJ-	<2.3 NJ-	<2.3 NJ-	<2.6 NJ-	<2.8 NJ-	<2.6 NJ-
Chromium	mg/kg	120,000	-	-	15.9	22.1	27.5	13.4	12.8	15.9	19.3	55.3	21.9	72.6	22.6
Nickel	mg/kg	23,000	1,600	205**	12.1	17.5	14.4	10.5	10.7	13	16.7	11.3	33.1	31.1	10.8
Thallium	mg/kg	79	5	3	<1.2	<1.2	<1.2	<1.2	<1.2	<1.1	<1.2	<1.2	<1.3	<1.4	<1.3
Vanadium	mg/kg	1,100	390	NA	17	27.2	37.6	18.9	17.3	24.6	28.6	15.4	26.6	55.6	18.3

General Chemistry															
Chromium, Hexavalent	mg/kg	20	-	-	<0.47 NJ- / <0.47 NJ-	0.74 NJ- / 0.55	<0.46 NJ- / 0.92	<0.51 NJ- / 0.91	<0.50 NJ- / 0.5NJ-	<0.44	<0.46	6.7 *NJ- / 10.2 NJ-	<0.50	<0.57 NJ- / 0.63 NJ-	<0.51 NJ- / 4.7 NJ-
Iron, Ferrous	%	-	-	-	0.57	-	-	-	0.87	-	-	-	-	0.72	-
pH	su	-	-	-	8	7.22	8.18	7.21	7.13	7.89	7.86	7.9	7.03	8.04	8.09
Redox Potential Vs H2	mv	-	-	-	356	222	230	207	205	350	203	419	203	365	223
Solids, Percent	%	-	-	-	84.7	82.9	87.4	78.8	79.4	90.3	86.4	82.6	80.3	69.8	78.6
Sulfide Screen		-	-	-	NEGATIVE	-	-	-	NEGATIVE	-	-	-	-	NEGATIVE	-
Total Organic Carbon	mg/kg	-	-	-	4,050	-	-	-	20,600	-	-	-	-	125,000	-

Analytical Data Qualifiers:

- < - The analyte was not detected at the stated reporting limit.
- * - Duplicate analysis not within control limits; indeterminate bias direction.
- J - The reported result is an estimated value.
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- N -The matrix spike sample recovery in the associated QC sample is not within QC limits.
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- R - The reported result is rejected.

Notes:

- ** - Nickel site specific impact due to groundwater screen level method calculated using SPLP laboratory methods; SPLP = Synthetic Precipitation Leaching Procedure.
- ^a - Analytical result in this location was not considered an exceedance because analyte of concern was compliance averaged below soil remediation standard.
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= Sample deemed usable due to acceptable insoluble recovery and secondary analytics.

- ft msl = feet mean sea level
- ft bgs = feet below ground surface
- mg/kg = milligram per kilogram
- su = standard unit
- mv = millivolts

Result exceeded criteria

Table 2A
Base Post-Excavation Soil Samples (2014-2016)
Final Post-Remedial Summary Laboratory Analytical Data for Remaining Soil
PPG Site 63, 1 Burma Road, Jersey City, NJ
Sampled by CB&I

Client Sample ID:		NJ Non-Residential Direct Contact Soil (NJAC 7:26D 5/12)	NJ Residential Direct Soil (NJAC 7:26D 5/12)	NJ Default Impact to Groundwater Soil Screening (11/13)	PPG63/65_B106	PPG63/65_B107	PPG 63/65_B108	PPG 63/65_B109	PPG63/65_B110	PPG63/65_B111R	PPG63/65_B112R	PPG63/65_B113	PPG63/65_B114	PPG63/65_B115
Sample Depth (ft bgs):					5.5-6	1.5-2	4.3-4.8	4.1-4.6	3.3-3.8	4.5-5	5.2-5.7	4.7-5.2	5.3-5.8	6.4-6.9
Sample Elevation (ft msl):					5-5.5	8-8.5	5-5.5	5.2-5.7	5.5-6	4.2-4.7	3.2-3.7	3.7-4.2	2.7-3.2	2.4-2.9
Excavated:														
Lab Sample ID:					JB92520-1	JB92520-2	JB92632-1	JB92632-4	JB92766-1	JB93212-1	JB93212-2	JB92858-4	JB92858-7	JB93021-2
Date Sampled:					4/15/2015	4/15/2015	4/16/2015	4/16/2015	4/17/2015	4/24/2015	4/24/2015	4/21/2015	4/21/2015	4/22/2015
Matrix:					Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Metals Analysis														
Antimony	mg/kg	450	31	6	<2.2 NJ-	<2.3 NJ-	<2.2 NJ-	<2.2 NJ-	<2.2 NJ-	<2.4 NJ-	<2.4 NJ-	<2.7 NJ-	<2.7 NJ-	<2.6 NJ-
Chromium	mg/kg	120,000	-	-	24.2 EJ	155 EJ	35.1 EJ	29.1 EJ	18.1	13.6	14.8	14.1 ENJ+	13.8 ENJ+	11.2
Nickel	mg/kg	23,000	1,600	205**	16.6	19.5	18	23	14.9	11.1	11.4	12.9	13.5	10.1
Thallium	mg/kg	79	5	3	<1.1	<1.2	<1.1	<1.1	<1.1	<1.2	<1.2	<1.3	<1.3	<1.3
Vanadium	mg/kg	1,100	390	NA	27.4	45.2	41.3	47.5	28.1	19.9	21.1	19.3 EJ	18 EJ	16
General Chemistry														
Chromium, Hexavalent	mg/kg	20	-	-	<0.46 NJ- / 0.52 NJ-	6.7 NJ- / 14.4 NJ-	0.95	1.1	<0.46 *NJ- / <0.46 NJ-	<0.49 NJ- / <0.49 NJ-	<0.49 NJ- / <0.49 NJ-	<0.52 NJ- / 0.53 NJ-	0.71 NJ- / <0.55 NJ-	<0.51NJ- / <0.51 NJ-
Iron, Ferrous	%	-	-	-	-	-	-	-	-	-	0.9	-	-	0.81
pH	su	-	-	-	8.27	8.08	6.87	6.71	7.93	7.66	7.61	7.21	6.85	7
Redox Potential Vs H2	mv	-	-	-	225	273	258	233	325	226	219	198	236	195
Solids, Percent	%	-	-	-	86.8	85.9	85.4	85.5	86.8	82	81.7	77.5	72.9	78.8
Sulfide Screen		-	-	-	-	-	-	-	-	-	NEGATIVE	-	-	NEGATIVE
Total Organic Carbon	mg/kg	-	-	-	-	-	-	-	-	-	1,440	-	-	4,960

Analytical Data Qualifiers:

< - The analyte was not detected at the stated reporting limit.

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Notes:

** - Nickel site specific impact due to groundwater screen level method

calculated using SPLP laboratory methods; SPLP = Synthetic Precipitation Leaching Procedure.

^a - Analytical result in this location was not considered an exceedance because analyte of concern was compliance averaged below soil remediation standard.

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ft msl = feet mean sea level

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mg/kg = milligram per kilogram

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mv = millivolts

Result exceeded criteria

Table 2A
Base Post-Excavation Soil Samples (2014-2016)
Final Post-Remedial Summary Laboratory Analytical Data for Remaining Soil
PPG Site 63, 1 Burma Road, Jersey City, NJ
Sampled by CB&I

Client Sample ID:		NJ Non-Residential Direct Contact Soil (NJAC 7:26D 5/12)	NJ Residential Direct Soil (NJAC 7:26D 5/12)	NJ Default Impact to Groundwater Soil Screening (11/13)	PPG63/65_B116	PPG 63/65_B117	PPG63/65_B118	PPG63/65_B119	PPG63/65_B120	PPG63/65_B121
Sample Depth (ft bgs):					6.4-6.9	5.3-5.8	3.5-4	3.7-4.2	3.7-4.2	2.2-2.7
Sample Elevation (ft msl):					2.8-3.3	4.2-4.7	7-7.5	5.8-6.3	6.8-7.3	4.8-5.3
Excavated:										
Lab Sample ID:					JB93021-4	JB93163-3	JB93547-2	JB93547-6	JB95015-2	JC15057-1
Date Sampled:					4/22/2015	4/23/2015	4/29/2015	4/29/2015	5/19/2015	2/29/2016
Matrix:					Soil	Soil	Soil	Soil	Soil	Soil
Metals Analysis										
Antimony	mg/kg	450	31	6	<2.4 NJ-	<2.6 NJ-	<2.3	<2.5	<2.5	<2.2 NJ-
Chromium	mg/kg	120,000	-	-	18.4	24.1 NJ-	42.7	111	12.6	26.7 NJ+
Nickel	mg/kg	23,000	1,600	205**	14.4	26.6 ENJ-	19.2 EJ	20.3 EJ	10.2	13.2
Thallium	mg/kg	79	5	3	<1.2	<1.3	<1.1	<1.3	<1.2	<1.1
Vanadium	mg/kg	1,100	390	NA	24.3	27.7 ENJ-	44.6	30.6	13	14.6
General Chemistry										
Chromium, Hexavalent	mg/kg	20	-	-	<0.50 NJ- / <0.50 NJ-	<0.53 NJ- / <0.53 NJ-	<0.46 NJ- / 2.4 *NJ-	0.77 NJ- / 0.49 *NJ-	<0.49	2 NJ- / 2.1 NJ-
Iron, Ferrous	%	-	-	-	-	-	0.76	-	12.6	0.76 ^b
pH	su	-	-	-	7.17	7.82	7.82	7.94	7.91	7.72
Redox Potential Vs H2	mv	-	-	-	195	177	289	250	321	343
Solids, Percent	%	-	-	-	80.5	75.2	86.3	82.4	82.3	87.8
Sulfide Screen		-	-	-	-	-	NEGATIVE	-	-	NEGATIVE
Total Organic Carbon	mg/kg	-	-	-	-	-	30,000 J	-	-	3,970 ^c

Analytical Data Qualifiers:

< - The analyte was not detected at the stated reporting limit.

* - Duplicate analysis not within control limits; indeterminate bias direction.

J - The reported result is an estimated value.

*J - Duplicate analysis not within control limits; result is estimated with indeterminate bias direction.

EJ - The reported value is estimated because of the presence of interference; indeterminate bias direction.

N -The matrix spike sample recovery in the associated QC sample is not within QC limits.

J+ - The result is estimated and may be biased high.

J- -The result is estimated and may be biased low.

R - The reported result is rejected.

Notes:

** - Nickel site specific impact due to groundwater screen level method

calculated using SPLP laboratory methods; SPLP = Synthetic Precipitation Leaching Procedure.

^a - Analytical result in this location was not considered an exceedance because analyte of concern was compliance averaged below soil remediation standard.

^b - The ferrous iron test was analyzed after completion of Cr6 testing (outside of normal hold times for this parameter) in order to provide more information about the possible impact of the sample matrix on Cr6 recoveries.

^c - Multiple injections indicate possible sample non-homogeneity.

^d - The sulfide screen test was analyzed after completion of Cr6 testing (outside of normal hold times for this parameter) in order to provide more information about the possible impact of the sample matrix on Cr6 recoveries.

= Sample deemed usable due to acceptable insoluble recovery and secondary analytics.

ft msl = feet mean sea level

ft bgs = feet below ground surface

mg/kg = milligram per kilogram

su = standard unit

mv = millivolts

Result exceeded criteria

Table 2B
Sidewall Post-Excavation Soil Samples (2014-2015)
Final Post-Remedial Summary Laboratory Analytical Data for Remaining Soil
PPG Site 63, 1 Burma Road, Jersey City, NJ
2014-2015 Sampled by CB&I

Client Sample ID:	NJ Non-Residential Direct Contact Soil (NJAC 7:26D 5/12)	NJ Residential Direct Contact Soil (NJAC 7:26D 5/12)	NJ Default Impact to Groundwater Soil Screening (11/13)	PPG63/65_SW04	PPG 63/65_SW22	PPG 63/65_SW23	PPG 63/65_SW25R	PPG 63/65-SW26	PPG 63/65_SW27R2	PPG 63/65-SW28
Sample Depth (ft bgs):				1.5-2	4.8-5.3	3.8-4.3	1.5-2.0	0.3-0.8	1.2-1.7	0.2-0.7
Sample Elevation (ft msl):				6-6.5	3.2-3.7	4.2-4.7	6.5-7	14.9-15.4	8-8.5	8-8.5
Lab Sample ID:				JB69910-8	JB79068-2	JB79068-3	JB80992-2	JB79649-1	JB81729-6	JB79649-4
Date Sampled:				6/19/2014	10/13/2014	10/13/2014	11/5/2014	10/20/2014	11/13/2014	10/20/2014
Matrix:				Soil	Soil	Soil	Soil	Soil	Soil	Soil

Metals Analysis

Antimony	mg/kg	450	31	6	<2.1 NJ-	<2.3 NJ-	3.6 NJ-	<2.5 NJ-	<2.1 NJ-	<2.6 NJ-	2.9 NJ-
Chromium	mg/kg	120,000	-	-	40.4	9.2	30.8	123 NJ-	24.4	377 *NJ	160
Nickel	mg/kg	23,000	1,600	205**	12.5	14	31.8	24.6	16.7	50.6 NJ-	25.5
Thallium	mg/kg	79	5	3	<1.1	<1.2	<1.2	<1.2	<1.1	<1.3 NJ-	<1.1
Vanadium	mg/kg	1,100	390	NA	21.1	12	22.6	32	22.9	54.7 NJ-	39.1

General Chemistry

Chromium, Hexavalent	mg/kg	20	-	-	0.45	0.62	1.6	2.8 *NJ- / 1.5 NJ-	2.4 *NJ- / 1.7 *NJ-	7.2 *NJ- / <0.51 NJ-	1.1 *NJ- / 2.9 *NJ-
Iron, Ferrous	%	-	-	-	-	-	-	1.1	-	-	-
pH	su	-	-	-	8.5	7.51	8.17	8.16	7.94	7.73	7.75
Redox Potential Vs H2	mv	-	-	-	376	351	315	289	509	260	652
Solids, Percent	%	-	-	-	90	86	82.8	81.9	93.2	78.9	89.3
Sulfide Screen		-	-	-	-	-	-	NEGATIVE	-	-	-
Total Organic Carbon	mg/kg	-	-	-	-	-	-	53,400	-	-	-

Analytical Data Qualifiers:

- < - The analyte was not detected at the stated reporting limit.
- * - Duplicate analysis not within control limits; indeterminate bias direction.
- J - The reported result is an estimated value.
- EJ - The reported value is estimated because of the presence of interference; indeterminate bias direction.
- N - The matrix spike sample recovery in the associated QC sample is not within QC limits.
- J+ - The result is estimated and may be biased high.
- J- - The result is estimated and may be biased low.
- R - The reported result is rejected .

Notes:

- ** - Nickel site specific impact due to groundwater screen level method calculated using SPLP laboratory methods; SPLP = Synthetic Precipitation Leaching Procedure.
- ^a - Analytical result in this location was not considered an exceedance because analyte of concern was compliance averaged below soil remediation standard.
- ft msl = feet mean sea level
- ft bgs = feet below ground surface
- mg/kg = milligram per kilogram
- su = standard unit
- mv = millivolts

Result exceeded criteria

Table 2B
Sidewall Post-Excavation Soil Samples (2014-2015)
Final Post-Remedial Summary Laboratory Analytical Data for Remaining Soil
PPG Site 63, 1 Burma Road, Jersey City, NJ
2014-2015 Sampled by CB&I

Client Sample ID:	NJ Non-Residential Direct Contact Soil (NJAC 7:26D 5/12)	NJ Residential Direct Contact Soil (NJAC 7:26D 5/12)	NJ Default Impact to Groundwater Soil Screening (11/13)	PPG 63/65-SW29	PPG 63/65-SW30	PPG 63/65-SW31	PPG 63/65-SW32	PPG 63/65-SW33	PPG 63/65-SW34	PPG 63/65-SW35
Sample Depth (ft bgs):				0.4-0.9	0-0.5	0.5-1	0.2-0.7	1.5-2	1.5-2	1.2-1.7
Sample Elevation (ft msl):				7.9-8.4	9-9.5	8.6-9.1	10.3-10.8	9-9.5	9-9.5	9.3-9.8
Lab Sample ID:				JB79649-5	JB79649-7	JB79649-8	JB79649-9	JB79649-10	JB79649-11	JB79649-12
Date Sampled:				10/20/2014	10/20/2014	10/20/2014	10/20/2014	10/20/2014	10/20/2014	10/20/2014
Matrix:	Soil	Soil	Soil	Soil	Soil	Soil	Soil			

Metals Analysis

Antimony	mg/kg	450	31	6	<2.3	<2.5 NJ-	<2.4 NJ-	<2.3 NJ-	4.4 NJ-	<2.3 NJ-	<2.2 NJ-
Chromium	mg/kg	120,000	-	-	105	190	287	146	79.3	74.3	23
Nickel	mg/kg	23,000	1,600	205**	38.2	41.7	50.3	49	96.3	26.1	20.4
Thallium	mg/kg	79	5	3	<1.2	<1.3	<1.2	<1.2	<3.1 ^a	<1.2	<1.1
Vanadium	mg/kg	1,100	390	NA	45.9	35.6	47.1	40.5	42	33.5	25.7

General Chemistry

Chromium, Hexavalent	mg/kg	20	-	-	0.49 *NJ- / 1 *NJ-	2.0 *NJ- / <0.51 *NJ-	3.6 *NJ- / 1.6 *NJ-	0.85 *NJ- / <0.46 *NJ-	2.4 *NJ- / 1.8 *NJ-	2.7 *NJ- / 3 *NJ-	1.6 *NJ- / 1.2 *NJ-
Iron, Ferrous	%	-	-	-	-	-	-	-	-	-	-
pH	su	-	-	-	7.39	6.9	7.61	6.93	7.64	7.11	7.17
Redox Potential Vs H2	mv	-	-	-	562	551	482	559	563	524	514
Solids, Percent	%	-	-	-	86	78.4	84.8	86.7	93	83.8	91.4
Sulfide Screen		-	-	-	-	-	-	-	-	-	-
Total Organic Carbon	mg/kg	-	-	-	-	-	-	-	-	-	-

Analytical Data Qualifiers:

< - The analyte was not detected at the stated reporting limit.

* - Duplicate analysis not within control limits; indeterminate bias direction.

J - The reported result is an estimated value.

EJ - The reported value is estimated because of the presence of interference; indeterminate bias direction.

N - The matrix spike sample recovery in the associated QC sample is not within QC limits.

J+ - The result is estimated and may be biased high.

J- - The result is estimated and may be biased low.

R - The reported result is rejected .

Notes:

** - Nickel site specific impact due to groundwater screen level method calculated using SPLP laboratory methods; SPLP = Synthetic Precipitation Leaching Procedure.

^a - Analytical result in this location was not considered an exceedance because analyte of concern was compliance averaged below soil remediation standard.

ft msl = feet mean sea level

ft bgs = feet below ground surface

mg/kg = milligram per kilogram

su = standard unit

mv = millivolts

Result exceeded criteria

Table 2B
Sidewall Post-Excavation Soil Samples (2014-2015)
Final Post-Remedial Summary Laboratory Analytical Data for Remaining Soil
PPG Site 63, 1 Burma Road, Jersey City, NJ
2014-2015 Sampled by CB&I

Client Sample ID:		NJ	NJ	NJ Default	PPG63/65_SW37	PPG 63/65_SW38R	PPG63/65_SW39	PPG 63/65_SW40	PPG 63/65_SW43	PPG 63/65_SW44	PPG 63/65_SW50
Sample Depth (ft bgs):		Non-Residential	Residential	Impact to	0.2-0.7	1.1-1.6	0.9-1.4	1.7-2.2	3.3-3.8	2.8-3.3	2.8-3.3
Sample Elevation (ft msl):		Direct Contact	Direct Contact	Groundwater	8.8-9.3	7.3-7.8	8.2-8.7	6.3-6.8	4.2-4.7	4.7-5.2	4.9-5.4
Lab Sample ID:		Soil (NJAC	Soil (NJAC	Soil Screening	JB80262-4	JB81368-1	JB80262-7	JB80445-1	JB80538-7	JB80640-2	JB81368-3
Date Sampled:		7:26D 5/12)	7:26D 5/12)	(11/13)	10/28/2014	11/10/2014	10/28/2014	10/29/2014	10/30/2014	10/31/2014	11/10/2014
Matrix:					Soil	Soil	Soil	Soil	Soil	Soil	Soil

Metals Analysis

Antimony	mg/kg	450	31	6	<2.2 NJ-	2.8 NJ-	<2.1 NJ-	<2.2 NJ-	<2.4 NJ-	<2.3	<2.5 NJ-
Chromium	mg/kg	120,000	-	-	232 NJ+	78.6 ENJ+	27.9 NJ+	36.6 NJ-	16.5	62.4 NJ+	71.3 ENJ+
Nickel	mg/kg	23,000	1,600	205**	40.2	59.2	18.5	22.9	14.8	24.9	15
Thallium	mg/kg	79	5	3	<1.1	<1.1	<1.1	<1.1	<1.2	<1.2	<1.3
Vanadium	mg/kg	1,100	390	NA	37.4	38.6 EJ	21.9	18.6	22.6	45.9	29.5 EJ

General Chemistry

Chromium, Hexavalent	mg/kg	20	-	-	1.9 NJ- / 4 NJ-	3.5 NJ- / 5.1 NJ-	1.3 NJ- / 1.6 NJ-	3.3 NJ- / 4.1 NJ-	0.66 NJ- / <0.48 *NJ	2.2 NJ- / 1.3 NJ-	4.4 NJ- / 15 NJ-
Iron, Ferrous	%	-	-	-	-	-	-	-	-	-	0.31
pH	su	-	-	-	7.53	8.16	7.52	8.38	7.63	8.67	9.25
Redox Potential Vs H2	mv	-	-	-	307	336	302	368	178	198	227
Solids, Percent	%	-	-	-	84.9	90.1	90.1	89.5	83.2	87.7	77
Sulfide Screen		-	-	-	-	-	-	-	-	-	NEGATIVE
Total Organic Carbon	mg/kg	-	-	-	-	-	-	-	-	-	9,400

Analytical Data Qualifiers:

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J- - The result is estimated and may be biased low.

R - The reported result is rejected .

Notes:

** - Nickel site specific impact due to groundwater screen level method calculated using SPLP laboratory methods; SPLP = Synthetic Precipitation Leaching Procedure.

^a - Analytical result in this location was not considered an exceedance because analyte of concern was compliance averaged below soil remediation standard.

ft msl = feet mean sea level

ft bgs = feet below ground surface

mg/kg = milligram per kilogram

su = standard unit

mv = millivolts

Result exceeded criteria

Table 2B
Sidewall Post-Excavation Soil Samples (2014-2015)
Final Post-Remedial Summary Laboratory Analytical Data for Remaining Soil
PPG Site 63, 1 Burma Road, Jersey City, NJ
2014-2015 Sampled by CB&I

Client Sample ID:	NJ Non-Residential Direct Contact Soil (NJAC 7:26D 5/12)	NJ Residential Direct Contact Soil (NJAC 7:26D 5/12)	NJ Default Impact to Groundwater Soil Screening (11/13)	PPG 63/65_SW56	PPG 63/65_SW57	PPG63/65_SW58	PPG63/65_SW59	PPG63/65_SW60	PPG63/65_SW61R	PPG63/65_SW64
Sample Depth (ft bgs):				0.6-1.1	0.7-1.2	1-1.5	0-0.5	0-0.5	0.4-0.9	1.9-2.4
Sample Elevation (ft msl):				7.5-8.0	6.5-7	6.2-6.7	7.2-7.7	6.5-7	6.8-7.3	5.3-5.8
Lab Sample ID:				JB81729-2	JB82085-1	JB82085-2	JB82085-3	JB82305-2	JB83152-6	JB83152-4
Date Sampled:				11/12/2014	11/18/2014	11/18/2014	11/18/2014	11/20/2014	12/3/2014	12/3/2014
Matrix:				Soil	Soil	Soil	Soil	Soil	Soil	Soil

Metals Analysis

	mg/kg	450	31	6	<2.1 NJ-	<2.3 NJ-	<2.3 NJ-	<2.2 NJ-	<2.2 NJ-	<2.3 NJ-	<3.4 NJ-
Antimony	mg/kg	120,000	-	-	185 *NJ	25 *NJ	48.5 *NJ	39.8 *NJ	33.2	86.8	228
Chromium	mg/kg	23,000	1,600	205**	22.1 NJ-	15.8 NJ-	13.8 NJ-	11.1 NJ-	7.8	15.7	28.6
Nickel	mg/kg	79	5	3	<1.0 NJ-	<1.1 NJ-	<1.2 NJ-	<1.1 NJ-	<1.1	<1.1	<1.7
Thallium	mg/kg	1,100	390	NA	33.5 NJ-	23.5 NJ-	19.6 NJ-	18.6 NJ-	8	23.5	73.6
Vanadium	mg/kg										

General Chemistry

	mg/kg	20	-	-	4.5 *NJ- / 2.1NJ-	2.1	2.4	2.7	3.4	2.5 NJ- / 3.9 *NJ-	2.2 NJ- / 6.8 *NJ-
Chromium, Hexavalent	mg/kg	-	-	-	-	-	-	-	-	2	-
Iron, Ferrous	%	-	-	-	8.4	8.16	8.66	8.54	8.68	7.49	7.18
pH	su	-	-	-	248	115	318	319	269	303	281
Redox Potential Vs H2	mv	-	-	-	91.9	86.3	83.6	88.7	89.9	85	61
Solids, Percent	%	-	-	-	-	-	-	-	-	NEGATIVE	-
Sulfide Screen		-	-	-	-	-	-	-	-	42,000	-
Total Organic Carbon	mg/kg										

Analytical Data Qualifiers:

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- N - The matrix spike sample recovery in the associated QC sample is not within QC limits.
- J+ - The result is estimated and may be biased high.
- J- - The result is estimated and may be biased low.
- R - The reported result is rejected .

Notes:

** - Nickel site specific impact due to groundwater screen level method calculated using SPLP laboratory methods; SPLP = Synthetic Precipitation Leaching Procedure.
^a - Analytical result in this location was not considered an exceedance because analyte of concern was compliance averaged below soil remediation standard.
ft msl = feet mean sea level
ft bgs = feet below ground surface
mg/kg = milligram per kilogram
su = standard unit
mv = millivolts

Result exceeded criteria

Table 2B
Sidewall Post-Excavation Soil Samples (2014-2015)
Final Post-Remedial Summary Laboratory Analytical Data for Remaining Soil
PPG Site 63, 1 Burma Road, Jersey City, NJ
2014-2015 Sampled by CB&I

Client Sample ID:		NJ	NJ	NJ Default	PPG63/65_SW72R	PPG63/65_SW75	PPG63/65_SW76	PPG63/65_SW92	PPG63/65_SW93	PPG63/65_SW107	PPG63/65_SW110	PPG63/65_SW111
Sample Depth (ft bgs):		Non-Residential	Residential	Impact to	0.7-1.2	0.3-0.8	3.8-4.3	0.3-0.8	4.1-4.6	0.2-0.7	0-0.5	0.2-0.7
Sample Elevation (ft msl):		Direct Contact	Direct Contact	Groundwater	6.5-7.0	7.8-8.3	4.3-4.8	9.2-9.7	2.3-2.8	8.8-9.3	10.5-11	10.3-10.7
Lab Sample ID:		Soil (NJAC	Soil (NJAC	Soil Screening	JB86243-1	JB86000-1	JB86141-1	JB87890-2	JB87890-4	JB88785-1	JB88913-3	JB88913-4
Date Sampled:		7:26D 5/12)	7:26D 5/12)	(11/13)	1/13/2015	1/8/2015	1/9/2015	2/6/2015	2/9/2015	2/25/2015	2/26/2015	2/26/2015
Matrix:					Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil

Metals Analysis

Antimony	mg/kg	450	31	6	<2.1 NJ-	<2.3 NJ-	<2.4 NJ-	<2.2 NJ-	<2.5 NJ-	<2.1 NJ-	<2.2 NJ-	<2.1 NJ-
Chromium	mg/kg	120,000	-	-	293	248	1,200	201	16.3	13.2	54.2	26.9
Nickel	mg/kg	23,000	1,600	205**	26.6	26.5	18.1	25.3	15.5	11.2	16.2	13.1
Thallium	mg/kg	79	5	3	<1.1	<1.2	<1.2	<1.1	<1.3	<1.1	<1.1	<1.1
Vanadium	mg/kg	1,100	390	NA	51.3	43.3	52.1	45.9	17.9	16.2	35.7	39.5

General Chemistry

Chromium, Hexavalent	mg/kg	20	-	-	8.3 *NJ- / 7.4 *NJ-	1.7 *NJ-	<0.47 *NJ	4.7 *NJ- / 19.5 NJ-	<0.51 *NJ- / <0.51 NJ-	0.51 NJ- / 0.52 NJ-	4.7 NJ- / 3.3	1.1 NJ- / 0.71
Iron, Ferrous	%	-	-	-	-	-	-	0.56	-	0.55	-	-
pH	su	-	-	-	7.85	7.02	9.09	7.6	8.06	8.14	7.02	8.81
Redox Potential Vs H2	mv	-	-	-	285	305	318	460	231	204	414	339
Solids, Percent	%	-	-	-	88.8	83.5	84.6	88.4	79	94.2	87.2	91.3
Sulfide Screen		-	-	-	-	-	-	NEGATIVE	-	NEGATIVE	-	-
Total Organic Carbon	mg/kg	-	-	-	-	-	-	43,100	-	7,280	-	-

Analytical Data Qualifiers:

< - The analyte was not detected at the stated reporting limit.

* - Duplicate analysis not within control limits; indeterminate bias direction.

J - The reported result is an estimated value.

EJ - The reported value is estimated because of the presence of interference; indeterminate bias direction.

N - The matrix spike sample recovery in the associated QC sample is not within QC limits.

J+ - The result is estimated and may be biased high.

J- - The result is estimated and may be biased low.

R - The reported result is rejected .

Notes:

** - Nickel site specific impact due to groundwater screen level method calculated using SPLP laboratory methods; SPLP = Synthetic Precipitation Leaching Procedure.

^a - Analytical result in this location was not considered an exceedance because analyte of concern was compliance averaged below soil remediation standard.

ft msl = feet mean sea level

ft bgs = feet below ground surface

mg/kg = milligram per kilogram

su = standard unit

mv = millivolts

Result exceeded criteria

Table 2B
Sidewall Post-Excavation Soil Samples (2014-2015)
Final Post-Remedial Summary Laboratory Analytical Data for Remaining Soil
PPG Site 63, 1 Burma Road, Jersey City, NJ
2014-2015 Sampled by CB&I

Client Sample ID:		NJ	NJ	NJ Default	PPG63/65_SW115	PPG63/65_SW116	PPG63/65_SW117	PPG63/65_SW118	PPG63/65_SW119	PPG63/65_SW120	PPG63/65_SW121R	PPG63/65_SW122
Sample Depth (ft bgs):		Non-Residential Direct Contact Soil (NJAC 7:26D 5/12)	Residential Direct Contact Soil (NJAC 7:26D 5/12)	Impact to Groundwater Soil Screening (11/13)	0.5-1	2.8-3.3	0.2-0.7	3.3-3.8	3.5-4.0	2.5-3.0	2.3-2.8	0.8-1.3
Sample Elevation (ft msl):	7-7.5				7.2-7.7	10.8-11.3	6-6.5	5.8-6.3	6.8-7.3	8.2-8.7	8-8.5	
Lab Sample ID:	JB89093-2				JB92520-3	JB92520-4	JB92632-2	JB92632-3	JB92632-5	JB93363-1	JB92766-3	
Date Sampled:	2/27/2015				4/15/2015	4/15/2015	4/16/2015	4/16/2015	4/16/2015	4/27/2015	4/17/2015	
Matrix:	Soil				Soil	Soil	Soil	Soil	Soil	Soil	Soil	

Metals Analysis

Antimony	mg/kg	450	31	6	<2.2 NJ-	<2.3 NJ-	<2.3 NJ-	<2.2 NJ-	<2.4 NJ-	<2.3 NJ-	<2.5 NJ-	<2.6 NJ-
Chromium	mg/kg	120,000	-	-	332	26.7 EJ	34.9 EJ	16 EJ	24.1 EJ	19.4 EJ	23.3	58.3
Nickel	mg/kg	23,000	1,600	205**	33.6	16.5	17.4	11.9	19.4	14.7	20.7	14
Thallium	mg/kg	79	5	3	<1.1	<1.1	<1.2	<1.1	<1.2	<1.2	<1.3	<1.3
Vanadium	mg/kg	1,100	390	NA	51	33.4	32.3	25.8	36.8	15.5	30.3	28.2

General Chemistry

Chromium, Hexavalent	mg/kg	20	-	-	8.2 *NJ- / 12.7 *NJ-	0.65 NJ- / 1.3 NJ-	1.5 NJ- / 0.53 NJ-	<0.45	3.2	1	0.58 NJ- / 0.66 *NJ-	0.58 *NJ- / 1.1 NJ-
Iron, Ferrous	%	-	-	-	-	-	0.27	-	-	-	-	-
pH	su	-	-	-	7.96	7.37	7.79	7.11	6.86	7.66	8.85	7.74
Redox Potential Vs H2	mv	-	-	-	327	280	517	304	259	264	309	363
Solids, Percent	%	-	-	-	85.8	87.6	85.3	88.4	87.1	89.6	81.4	76.4
Sulfide Screen		-	-	-	-	-	NEGATIVE	-	-	-	-	-
Total Organic Carbon	mg/kg	-	-	-	-	-	102,000	-	-	-	-	-

Analytical Data Qualifiers:

< - The analyte was not detected at the stated reporting limit.

* - Duplicate analysis not within control limits; indeterminate bias direction.

J - The reported result is an estimated value.

EJ - The reported value is estimated because of the presence of interference; indeterminate bias direction.

N - The matrix spike sample recovery in the associated QC sample is not within QC limits.

J+ - The result is estimated and may be biased high.

J- - The result is estimated and may be biased low.

R - The reported result is rejected .

Notes:

** - Nickel site specific impact due to groundwater screen level method calculated using SPLP laboratory methods; SPLP = Synthetic Precipitation Leaching Procedure.

^a - Analytical result in this location was not considered an exceedance because analyte of concern was compliance averaged below soil remediation standard.

ft msl = feet mean sea level

ft bgs = feet below ground surface

mg/kg = milligram per kilogram

su = standard unit

mv = millivolts

Result exceeded criteria

Table 2B
Sidewall Post-Excavation Soil Samples (2014-2015)
Final Post-Remedial Summary Laboratory Analytical Data for Remaining Soil
PPG Site 63, 1 Burma Road, Jersey City, NJ
2014-2015 Sampled by CB&I

Client Sample ID:		NJ	NJ	NJ Default	PPG63/65_SW123	PPG63/65_SW124	PPG63/65_SW125	PPG63/65_SW126	PPG63/65_SW127	PPG63/65_SW128R	PPG63/65_SW129
Sample Depth (ft bgs):		Non-Residential	Residential	Impact to	0.5-1.0	0.6-1.1	5-5.5	2.8-3.3	4.5-5	2.7-3.2	5-5.5
Sample Elevation (ft msl):		Direct Contact	Direct Contact	Groundwater	7.7-8.2	7.6-8.1	3.3-3.8	4.7-5.2	4-4.5	9.8-10.3	3.1-3.6
Lab Sample ID:		Soil (NJAC	Soil (NJAC	Soil Screening	JB92766-4	JB92766-5	JB92766-7	JB92858-1	JB92858-2	JB93363-2	JB92858-5
Date Sampled:		7:26D 5/12)	7:26D 5/12)	(11/13)	4/17/2015	4/17/2015	4/17/2015	4/20/2015	4/20/2015	4/27/2015	4/21/2015
Matrix:					Soil	Soil	Soil	Soil	Soil	Soil	Soil

Metals Analysis

Antimony	mg/kg	450	31	6	<2.7 NJ-	<2.5 NJ-	<3.3 NJ-	<2.4 NJ-	<2.7 NJ-	<2.4 NJ-	<2.5 NJ-
Chromium	mg/kg	120,000	-	-	127	99.8	1,630	561 ENJ+	44.9 ENJ+	31.3	19 ENJ+
Nickel	mg/kg	23,000	1,600	205**	14.5	12.3	22.1	14	17.2	13.2	15.9
Thallium	mg/kg	79	5	3	<1.4	<1.2	<1.7	<1.2	<1.3	<1.2	<2.5
Vanadium	mg/kg	1,100	390	NA	30.4	20.6	77.5	31.3 EJ	23.4 EJ	33.3	26.4 EJ

General Chemistry

Chromium, Hexavalent	mg/kg	20	-	-	3.4 *NJ- / 12.7 NJ-	4.3 *NJ- / 5.6 NJ-	<0.65 *NJ- / <0.65 NJ-	14.4 NJ- / 1.6 NJ-	<0.53 NJ- / <0.53 NJ-	1.3 NJ- / 2.3 *NJ-	<0.52 NJ- / <0.52 NJ-
Iron, Ferrous	%	-	-	-	-	0.6	-	-	-	0.34	-
pH	su	-	-	-	7.98	8.29	7.63	7.65	7.02	7.75	6.86
Redox Potential Vs H2	mv	-	-	-	366	322	179	215	221	341	182
Solids, Percent	%	-	-	-	75.9	78.3	61.1	84.1	76.1	81.2	77.1
Sulfide Screen		-	-	-	-	NEGATIVE	-	-	-	NEGATIVE	-
Total Organic Carbon	mg/kg	-	-	-	-	215,000	-	-	-	14,400 J	-

Analytical Data Qualifiers:

< - The analyte was not detected at the stated reporting limit.

* - Duplicate analysis not within control limits; indeterminate bias direction.

J - The reported result is an estimated value.

EJ - The reported value is estimated because of the presence of interference; indeterminate bias direction.

N - The matrix spike sample recovery in the associated QC sample is not within QC limits.

J+ - The result is estimated and may be biased high.

J- - The result is estimated and may be biased low.

R - The reported result is rejected .

Notes:

** - Nickel site specific impact due to groundwater screen level method calculated using SPLP laboratory methods; SPLP = Synthetic Precipitation Leaching Procedure.

^a - Analytical result in this location was not considered an exceedance because analyte of concern was compliance averaged below soil remediation standard.

ft msl = feet mean sea level

ft bgs = feet below ground surface

mg/kg = milligram per kilogram

su = standard unit

mv = millivolts

Result exceeded criteria

Table 2B
Sidewall Post-Excavation Soil Samples (2014-2015)
Final Post-Remedial Summary Laboratory Analytical Data for Remaining Soil
PPG Site 63, 1 Burma Road, Jersey City, NJ
2014-2015 Sampled by CB&I

Client Sample ID:		NJ	NJ	NJ Default	PPG63/65_SW130	PPG63/65_SW131	PPG63-65_DUP- SW131	PPG63/65_SW132	PPG63/65_SW133	PPG63/65_SW134R	PPG63/65_SW135
Sample Depth (ft bgs):		Non-Residential Direct Contact Soil (NJAC 7:26D 5/12)	Residential Direct Contact Soil (NJAC 7:26D 5/12)	NJ Default Impact to Groundwater Soil Screening (11/13)	4.5-5	2.5-3.0	2.5-3.0	1.6-2.1	2-2.5	2.5-3.0	1.9-2.4
Sample Elevation (ft msl):	3.7-4.2				5.9-6.4	5.9-6.4	4.3-4.8	7.5-8.0	7.8-8.3	7.9-8.4	
Lab Sample ID:	JB92858-6				JB93021-1	JB93021-5	JB93021-3	JB93163-1	JB95015-1	JB93363-3	
Date Sampled:	4/21/2015				4/22/2015	4/22/2015	4/22/2015	4/23/2015	5/19/2015	4/27/2015	
Matrix:	Soil				Soil	Soil	Soil	Soil	Soil	Soil	

Metals Analysis

Antimony	mg/kg	450	31	6	<2.4 NJ-	<3.4 NJ-	<3.4 NJ-	<2.9 NJ-	<2.5 NJ-	<2.3 NJ-	<2.4 NJ-
Chromium	mg/kg	120,000	-	-	767 ENJ+	191	197	98	60 NJ-	33.3	15.6
Nickel	mg/kg	23,000	1,600	205**	34.3	31.6	29.3	31.3	59.3 ENJ-	20.7	7.9
Thallium	mg/kg	79	5	3	<1.2	<1.7	<1.7	<1.5	<1.2	<1.2	<1.2
Vanadium	mg/kg	1,100	390	NA	50 EJ	73.3	63.4	59.7	28.8 ENJ-	25.4	14.7

General Chemistry

Chromium, Hexavalent	mg/kg	20	-	-	8.2 NJ- / 16.8 NJ-	<0.67 NJ- / <0.67 NJ-	1.4 NJ- / <0.67	<0.58 NJ- / <0.58 NJ-	<0.50 NJ- / 8.3 NJ-	0.47 NJ- / 1.5 NJ-	3.4 NJ- / 2.2 *NJ-
Iron, Ferrous	%	-	-	-	0.7	-	-	-	-	32.8	-
pH	su	-	-	-	8.22	7.94	7.91	7.13	7.59	7.44	8.36
Redox Potential Vs H2	mv	-	-	-	214	124	206	202	322	335	372
Solids, Percent	%	-	-	-	83	59.6	59.3	69.5	80.5	85.2	82.4
Sulfide Screen		-	-	-	NEGATIVE	-	-	-	-	-	-
Total Organic Carbon	mg/kg	-	-	-	38,400	-	-	-	-	-	-

Analytical Data Qualifiers:

< - The analyte was not detected at the stated reporting limit.

* - Duplicate analysis not within control limits; indeterminate bias direction.

J - The reported result is an estimated value.

EJ - The reported value is estimated because of the presence of interference; indeterminate bias direction.

N - The matrix spike sample recovery in the associated QC sample is not within QC limits.

J+ - The result is estimated and may be biased high.

J- - The result is estimated and may be biased low.

R - The reported result is rejected .

Notes:

** - Nickel site specific impact due to groundwater screen level method calculated using SPLP laboratory methods; SPLP = Synthetic Precipitation Leaching Procedure.

^a - Analytical result in this location was not considered an exceedance because analyte of concern was compliance averaged below soil remediation standard.

ft msl = feet mean sea level

ft bgs = feet below ground surface

mg/kg = milligram per kilogram

su = standard unit

mv = millivolts

Result exceeded criteria

Table 2B
Sidewall Post-Excavation Soil Samples (2014-2015)
Final Post-Remedial Summary Laboratory Analytical Data for Remaining Soil
PPG Site 63, 1 Burma Road, Jersey City, NJ
2014-2015 Sampled by CB&I

Client Sample ID:		NJ	NJ	NJ Default	PPG63/65_SW138	PPG63/65_SW139
Sample Depth (ft bgs):		Non-Residential	Residential	Impact to	1.2-1.7	2.6-3.1
Sample Elevation (ft msl):		Direct Contact	Direct Contact	Groundwater	6.8-7.3	7.9-8.4
Lab Sample ID:		Soil (NJAC	Soil (NJAC	Soil Screening	JB93547-7	JB95015-3
Date Sampled:		7:26D 5/12)	7:26D 5/12)	(11/13)	4/29/2015	5/19/2015
Matrix:					Soil	Soil
Metals Analysis						
Antimony	mg/kg	450	31	6	<2.5	<2.6 NJ-
Chromium	mg/kg	120,000	-	-	58.7	35.6 EJ
Nickel	mg/kg	23,000	1,600	205**	16.7	22.6
Thallium	mg/kg	79	5	3	<1.2	<1.3
Vanadium	mg/kg	1,100	390	NA	25	28
General Chemistry						
Chromium, Hexavalent	mg/kg	20	-	-	3.6 NJ- / 2.8 *NJ-	1.2 NJ / 1.1 NJ-
Iron, Ferrous	%	-	-	-	-	34.4
pH	su	-	-	-	9.51	7.76
Redox Potential Vs H2	mv	-	-	-	241	343
Solids, Percent	%	-	-	-	84.2	79.5
Sulfide Screen		-	-	-	-	-
Total Organic Carbon	mg/kg	-	-	-	-	-

Analytical Data Qualifiers:

< - The analyte was not detected at the stated reporting limit.

* - Duplicate analysis not within control limits; indeterminate bias direction.

J - The reported result is an estimated value.

EJ - The reported value is estimated because of the presence of interference; indeterminate bias direction.

N -The matrix spike sample recovery in the associated QC sample is not within QC limits.

J+ - The result is estimated and may be biased high.

J- - The result is estimated and may be biased low.

R - The reported result is rejected .

Notes:

** - Nickel site specific impact due to groundwater screen level method calculated using SPLP laboratory methods; SPLP = Synthetic Precipitation Leaching Procedure.

^a - Analytical result in this location was not considered an exceedance because analyte of concern was compliance averaged below soil remediation standard.

ft msl = feet mean sea level

ft bgs = feet below ground surface

mg/kg = milligram per kilogram

su = standard unit

mv = millivolts

Result exceeded criteria

Table 2C
Concrete Post-Excavation Samples (2014-2015)
Final Post-Remedial Summary Laboratory Analytical Data for Remaining Concrete
PPG Site 63, 1 Burma Road
Jersey City, NJ Sampled by CB&I

Client Sample ID:		NJ Non-Residential Direct Contact Soil (NJAC 7:26D 5/12)	NJ Residential Direct Soil (NJAC 7:26D 5/12)	NJ Default Impact to Groundwater Soil (11/13)	PPG63/65_CCS01	PPG 63/65_CCS02	PPG63/65_CCS03	PPG63/65_CCG4	PPG63/65_CCSMP
Sample Depths (ft. bgs)					4.5 - 5	0.2-0.7	1.3 -1.8	3.2 - 3.7	0.8 - 1.3
Sample Elevations (ft. msl)					3 -3.5	7.8-8.3	6.2 - 6.7	4.3 - 4.8	6.7- 7.2
Lab Sample ID:					JB74992-1	JB80992-1	JB84487-1	JB92766-9	JB93547-3
Date Sampled:					8/26/2014	11/5/2014	12/16/2014	4/17/2015	4/29/2015
Matrix:					Concrete/Solid	Concrete/Solid	Concrete/Solid	Concrete/Solid	Concrete/Solid
Metals Analysis									
Antimony	mg/kg	450	31	6	<2.2 NJ-	<1.9	<2.2 NJ-	<2.1 NJ-	<2.2
Chromium	mg/kg	120000	-	-	140 NJ-	94.2	75.9	11.6	21.7 EJ
Nickel	mg/kg	23000	1600	205**	5.5	28.6	8.7	6.5	7.5
Thallium	mg/kg	79	5	3	<1.1	<0.96	<1.1	<1.1	<1.1
Vanadium	mg/kg	1100	390	NA	11.6	24.9	15.7	17.3	12.1
General Chemistry									
Chromium, Hexavalent	mg/kg	20	-	-	3.7	0.59 *NJ- / 1.4 NJ-	3.8 *NJ+	0.59 *NJ- / 0.51 NJ-	<0.42 NJ- / < 0.42 *NJ-
Iron, Ferrous	%	-	-	-	-	-	-	-	-
pH	su	-	-	-	10.82	9.24	11.61	12.13	11.59
Redox Potential Vs H2	mv	-	-	-	148	267	104	124	123
Solids, Percent	%	-	-	-	95	99.2	95	95	94.6
Sulfide Screen		-	-	-	-	-	-	-	-
Total Organic Carbon	mg/kg	-	-	-	-	-	-	-	-

Analytical Data Qualifiers:

- < - The analyte was not detected at the stated reporting limit.
- * - Duplicate analysis not within control limits; indeterminate bias direction.
- J - The reported result is an estimated value.
- *J - Duplicate analysis not within control limits; result is estimated with
- EJ - The reported value is estimated because of the presence of interference;
- N -The matrix spike sample recovery in the associated QC sample is not within
- J+ - The result is estimated and may be biased high.
- J- - The result is estimated and may be biased low.

Notes:

- ** - Nickel site specific impact due to groundwater screen level method calculated using SPLP laboratory methods; SPLP = Synthetic Precipitation Leaching Procedure.
- ft msl = feet mean sea level
- ft bgs = feet below ground surface
- mg/kg = milligram per kilogram
- su = standard unit
- mv = millivolts

Table 2D
Historical Soil Samples - Pre-Post-Excavation – Design Borings (2013)
Laboratory Analytical Summary Data for Remaining Soil
PPG Site 63
1 Burma Road
Jersey City, New Jersey
2013- Sampled by CB&I

Sample Location:	NJ Non-Residential Direct Contact	NJ Residential Direct Contact	NJ Default Impact to Groundwater Soil Screening (11/13)	AD001				AD004		AD005			AD007					AD008		
				6.5-7	7-7.5	7.5-8	8-8.5	5.5-6	5.5-6	3.5-4	4-4.5	4-4.5	5.5-6	6-6.5	6.5-7	6.5-7	6.5-7	6-6.5	6-6.5	6-6.5
Elevations (ft msl)				1.4-1.9	0.9-1.4	0.4-0.9	-0.1- 0.4	1.5-2	1.5-2	3.6-4.1	3.1-3.6	3.1-3.6	1.7-2.2	1.2-1.7	0.7-1.2	0.7-1.2	0.7-1.2	1-1.5	1-1.5	1-1.5
Client Sample ID:	Soil (NJAC)	Soil (NJAC)		AD001 6.5-7	AD001 7-7.5	AD001 7.5-8	AD001 8-8.5	AD004 5.5-6	DUP 01	AD005 3.5-4	AD005 4-4.5	DUP 02	AD007 5.5-6	AD007 6-6.5	AD007 6.5-7	DUP 09	DUP 09	AD008 6-6.5	DUP 10	DUP 10
Lab Sample ID:	7:26D 5/12	7:26D 5/12		JB44205-1	JB44205-2	JB44205-3	JB44205-4	JB46800-4	JB46800-5	JB46800-8	JB46800-9	JB46800-10	JB46883-20	JB46883-21	JB46883-22	JB46883-23	JB46883-23R	JB46883-31	JB46883-32	JB46883-32R
Date Sampled:				8/5/2013	8/5/2013	8/5/2013	8/5/2013	9/9/2013	9/9/2013	9/9/2013	9/9/2013	9/9/2013	9/10/2013	9/10/2013	9/10/2013	9/10/2013	9/10/2013	9/10/2013	9/10/2013	9/10/2013
Matrix:				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Antimony (mg/kg)	450	31	6	<2.3 NJ-	<2.3 NJ-	<2.3 NJ-	<2.3 NJ-	<2.3	<2.5	<2.0	<2.0	<2.0	4 NJ-	<2.3 NJ-	<2.4 NJ-	<2.4 NJ-	----	2.6	<1.9	----
Chromium (mg/kg)	120,000	-	-	34.7	30.2	36.2 NJ+	27.3 NJ+	189	142	254	255	346	55.2 EJ	22.5	18.4	16.6	----	41.3	30.5	----
Nickel (mg/kg)	23,000	1,600	205**	16.8	15.8	16.1	12.2	15.4	16.2	18.2	19.4	26.4	16.6	17.4	13.4	11.8	----	13.9	17.6	----
Thallium (mg/kg)	79	5	3	<1.1	<1.2	<1.2	<1.1	<1.2	<1.2	<1.0	<0.99	<0.99	<1.3	<1.2	<1.2	<1.2	----	<0.99	<0.93	----
Vanadium (mg/kg)	1,100	390	-	32.9	35.4	52	43.3	33	72.8	28.9	30.6	14.3 NJ+	24.7 EJ	32.3	26.4	24.3	----	18.4	24.3	----
Chromium, Hexavalent (mg/kg)	20	-	-	1.3 NJ-	0.67 NJ-	0.92 NJ-	1.2 NJ-	<0.47 NJ-	<0.48 NJ-	<0.54 NJ-	14.8 NJ-	4.7 NJ-	<0.50 NJ-	<0.47 NJ-	<0.46 NJ-	<0.45 NJ-	<0.45 NJ-	<0.65 NJ-	<0.70 NJ-	<0.70 NJ-
pH	-	-	-	9.84	9.53	9.37	9.26	9.99	10.14	7.92	7.76	8.18	7.74	8.09	8.38	8.47	----	7.66	7.66	----
Redox Potential Vs H2 (mV)	-	-	-	213	151	160	169	16.7	-12.5	128	138	230	281	259	256	263	----	209	158	----
Solids, Percent (%)	-	-	-	86.1	87.6	89.1	89.4	85.3	84.2	74.4	76.4	79.1	80	84.9	86.8	88.3	----	61.3	57.5	----

Analytical Data Qualifiers:
< - The analyte was not detected at the stated reporting limit.
* - Duplicate analysis not within control limits; indeterminate bias direction.
J - The reported result is an estimated value.
*J - Duplicate analysis not within control limits; result is estimated with indeterminate bias direction.
EJ - The reported value is estimated because of the presence of interference; indeterminate bias direction.
N -The matrix spike sample recovery in the associated QC sample is not within QC limits.
J+ - The result is estimated and may be biased high.
J- The result is estimated and may be biased low.
R - The reported result is rejected .
Notes:
CCPW = Chromate Chemical Production Waste
ft msl = feet mean sea level
ft bgs = feet below ground surface
mg/kg = milligram per kilogram
mV = millivolts
^a Elevated detection limit due to dilution required for high interfering element.
* Hex Chrome Sample did not pass 2nd QA & QC. See Table 2D-2 for secondary analyses.
**Site-specific impact to groundwater criteria developed using SPLP methodology for Nickel; SPLP = Synthetic Precipitation Leaching Procedure.
***Located below water table so IGW SSL does not apply, and compliance averaged to below standards/criteria.

Result exceeded criteria

Table 2D
Historical Soil Samples - Pre-Post-Excavation – Design Borings (2013)
Laboratory Analytical Summary Data for Remaining Soil
PPG Site 63
1 Burma Road
Jersey City, New Jersey
2013- Sampled by CB&I

Sample Location:	NJ Non-Residential Direct Contact	NJ Residential Direct Contact	NJ Default Impact to Groundwater Soil Screening (11/13)	AD009						AD011					
				6-6.5 0.5-1	6-6.5 0.5-1	6.5-7 0-0.5	6.5-7 0-0.5	6.5-7 0-0.5	6.5-7 0-0.5	5.5-6 1.7-2.2	5.5-6 1.7-2.2	6-6.5 1.2-1.7	6-6.5 1.2-1.7	6.5-7 0.7-1.2	6.5-7 0.7-1.2
Elevations (ft msl)	Soil (NJAC 7:26D 5/12)	Soil (NJAC 7:26D 5/12)	Soil Screening (11/13)	AD009 6-6.5	AD009 6-6.5	AD009 6.5-7	AD009 6.5-7	DUP 12	DUP 12	AD011 5.5-6	AD011 5.5-6	AD011 6-6.5	AD011 6-6.5	AD011 6.5-7	AD011 6.5-7
Client Sample ID:				JB47183-7	JB47183-7R	JB47183-8	JB47183-8R	JB47183-9	JB47183-9R	JB47087-2	JB47087-2R	JB47087-3	JB47087-3R	JB47087-4	JB47087-4R
Lab Sample ID:	9/12/2013	9/12/2013	9/12/2013	9/12/2013	9/12/2013	9/12/2013	9/11/2013	9/11/2013	9/11/2013	9/11/2013	9/11/2013	9/11/2013	9/11/2013		
Date Sampled:	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil		
Matrix:															
Antimony (mg/kg)	450	31	6	<2.5	----	3.5	----	<2.0	----	<2.4 NJ-	----	<2.3	----	<2.5	----
Chromium (mg/kg)	120,000	-	-	11.1	----	22.2	----	17.5	----	18.4	----	15	----	16.7	----
Nickel (mg/kg)	23,000	1,600	205**	12.3	----	21.4	----	15.3	----	14.3	----	14.7	----	14.6	----
Thallium (mg/kg)	79	5	3	<1.3	----	<0.99	----	<1.0	----	<1.2	----	<1.1	----	<1.2	----
Vanadium (mg/kg)	1,100	390	-	17.2	----	25.9	----	25.3	----	17.5	----	18.1	----	19.6	----
Chromium, Hexavalent (mg/kg)	20	-	-	<0.49 NJ-	<0.49 NJ-	<0.60 NJ-	<0.60 NJ-	<0.54 NJ-	<0.54 NJ-	<0.49 NJ-	<0.49 NJ-	<0.48 NJ-	<0.48 NJ-	<0.48 NJ-	<0.48 NJ-
pH	-	-	-	8.16	----	8.91	----	9.56	----	8.02	----	8.57	----	8.16	----
Redox Potential Vs H2 (mV)	-	-	-	285	----	280	----	270	----	268	----	289	----	264	----
Solids, Percent (%)	-	-	-	81.5	----	66.3	----	74.7	----	81.9	----	84	----	82.7	----

Analytical Data Qualifiers:
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* - Duplicate analysis not within control limits; indeterminate bias direction.
J - The reported result is an estimated value.
*J - Duplicate analysis not within control limits; result is estimated with indeterminate bias direction.
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N -The matrix spike sample recovery in the associated QC sample is not within QC limits.
J+ - The result is estimated and may be biased high.
J- The result is estimated and may be biased low.
R - The reported result is rejected .
Notes:
CCPW = Chromate Chemical Production Waste
ft msl = feet mean sea level
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mg/kg = milligram per kilogram
mV = millivolts
^a Elevated detection limit due to dilution required for high interfering element.
* Hex Chrome Sample did not pass 2nd QA & QC. See Table 2D-2 for secondary analyses.
**Site-specific impact to groundwater criteria developed using SPLP methodology for Nickel; SPLP = Synthetic Precipitation Leaching Procedure.
***Located below water table so IGW SSL does not apply, and compliance averaged to below standards/criteria.

Result exceeded criteria

Table 2D
Historical Soil Samples - Pre-Post-Excavation – Design Borings (2013)
Laboratory Analytical Summary Data for Remaining Soil
PPG Site 63
1 Burma Road
Jersey City, New Jersey
2013- Sampled by CB&I

Sample Location:	NJ Non-Residential Direct Contact	NJ Residential Direct Contact	NJ Default Impact to Groundwater Soil Screening (11/13)	BD001				BD002			BD003			BD004							
				7-7.5	7.5-8	8-8.5	8.5-9	6.5-7	7-7.5	7.5-8	5.5-6	5.5-6	5.5-6	5.5-6	5.5-6	6-6.5	6-6.5	6.5-7	6.5-7	6.5-7	6.5-7
Elevations (ft msl):				-0.1 - 0.4	-0.1 - (-0.6)	-0.6 - (- 1.1)	-1.1 - (- 1.6)	0.3-0.8	-0.2 - 0.3	-0.7 - (- 0.2)	1.8-2.3	1.8-2.3	1.8-2.3	2.2-2.7	2.2-2.7	1.7-2.3	1.7-2.3	1.2-1.7	1.2-1.7	1.2-1.7	1.2-1.7
Client Sample ID:	Soil (NJAC)	Soil (NJAC)	Soil Screening (11/13)	BD001 7-7.5	BD001 7.5-8	BD001 8-8.5	BD001 8.5-9	BD002 6.5-7	BD002 7-7.5	BD002 7.5-8	BD003 5.5-6	DUP 07	DUP 07	BD004 5.5-6	BD004 5.5-6	BD004 6-6.5	BD004 6-6.5	BD004 6.5-7	BD004 6.5-7	DUP 06	DUP 06
Lab Sample ID:	7:26D 5/12	7:26D 5/12		JB44205-5	JB44205-6	JB44205-7	JB44205-8	JB43880-49A	JB43880-50A	JB43880-51A	JB46883-8R	JB46883-9	JB46883-9R	JB46800-38	JB46800-38R	JB46800-39	JB46800-39R	JB46800-40	JB46800-40R	JB46800-41	JB46800-41R
Date Sampled:				8/5/2013	8/5/2013	8/5/2013	8/5/2013	8/2/2013	8/2/2013	8/2/2013	9/10/2013	9/10/2013	9/10/2013	9/9/2013	9/9/2013	9/9/2013	9/9/2013	9/9/2013	9/9/2013	9/9/2013	9/9/2013
Matrix:				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Antimony (mg/kg)	450	31	6	<2.2 NJ-	<2.4 NJ-	<2.5 NJ-	<2.2 NJ-	<2.3 NJ-	<2.3 NJ-	<2.3 NJ-	----	<2.4	----	3.2 NJ-	----	<2.2	----	<2.2	----	<2.4	----
Chromium (mg/kg)	120,000	-	-	181	18.5	18.8	19.3	65.7 NJ+	23.8 NJ+	17.7 NJ+	----	15.5	----	31.4	----	33.5	----	15.5	----	23.5	----
Nickel (mg/kg)	23,000	1,600	205**	12.9	13.7	14.6	13.7	15.1	14	14.3	----	15.1	----	21.4	----	18.8	----	14.5	----	19.1	----
Thallium (mg/kg)	79	5	3	<1.1	<1.2	<1.2	<1.1	<1.2	<1.1	<2.3 ^a	----	<1.2	----	<1.2	----	<1.1	----	<1.1	----	<1.2	----
Vanadium (mg/kg)	1,100	390	-	22.7	20.7	17.3	26.2	24.5	35.7	24.2	----	20.8	----	22.4	----	32.6	----	24	----	33.3	----
Chromium, Hexavalent (mg/kg)	20	-	-	0.95 NJ-	<0.46 NJ-	0.87 NJ-	0.67 NJ-	<0.46 NJ-	<0.46 NJ-	0.47 NJ-	<0.48 NJ-	<0.49 NJ-	<0.49 NJ-	<0.47 NJ-	0.59 NJ-	<0.46 NJ-	0.7 NJ-	<0.45 NJ-	<0.45 NJ-	<0.47 NJ-	<0.47 NJ-
pH	-	-	-	10.33	10.06	9.54	9.64	9.52	9.36	9.16	----	8.51	----	8.14	----	8.35	----	8.13	----	8.23	----
Redox Potential Vs H2 (mV)	-	-	-	128	116	129	148	147	155	156	----	179	----	220	----	202	----	201	----	201	----
Solids, Percent (%)	-	-	-	90.5	87.2	83	88.4	87.1	87.7	89.3	----	81.7	----	85.2	----	86.9	----	88.4	----	85.7	----

Analytical Data Qualifiers:
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N -The matrix spike sample recovery in the associated QC sample is not within QC limits.
J+ - The result is estimated and may be biased high.
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R - The reported result is rejected .
Notes:
CCPW = Chromate Chemical Production Waste
ft msl = feet mean sea level
ft bgs = feet below ground surface
mg/kg = milligram per kilogram
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* Hex Chrome Sample did not pass 2nd QA & QC. See Table 2D-2 for secondary analyses.
**Site-specific impact to groundwater criteria developed using SPLP methodology for Nickel; SPLP = Synthetic Precipitation Leaching Procedure.
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Result exceeded criteria

Table 2D
Historical Soil Samples - Pre-Post-Excavation – Design Borings (2013)
Laboratory Analytical Summary Data for Remaining Soil
PPG Site 63
1 Burma Road
Jersey City, New Jersey
2013- Sampled by CB&I

Sample Location:	NJ Non-Residential Direct Contact	NJ Residential Direct Contact	NJ Default Impact to Groundwater Soil Screening (11/13)	BD005								BD006					
				5.5-6 2.2-2.7	5.5-6 2.2-2.7	6-6.5 1.7-2.3	6-6.5 1.7-2.3	6.5-7 1.2-1.7	6.5-7 1.2-1.7	7-7.5 0.7-1.2	7-7.5 0.7-1.2	7-7.5 0.7-1.2	7-7.5 0.7-1.2	6-6.5 1.5-2	6.5-7 1-1.5	7-7.5 0.5-1	7.5-8 0-0.5
Elevations (ft msl)	Soil (NJAC 7:26D 5/12)	Soil (NJAC 7:26D 5/12)	Soil Screening (11/13)	BD005 5.5-6	BD005 5.5-6	BD005 6-6.5	BD005 6-6.5	BD005 6.5-7	BD005 6.5-7	BD005 7-7.5	BD005 7-7.5	DUP 08	DUP 08	BD006 6-6.5	BD006 6.5-7	BD006 7-7.5	BD006 7.5-8
Client Sample ID:				JB46883-10	JB46883-10R	JB46883-11	JB46883-11R	JB46883-12	JB46883-12R	JB46883-13	JB46883-13R	JB46883-14	JB46883-14R	JB44447-13	JB44447-14	JB44447-15	JB44447-16
Lab Sample ID:	9/10/2013	9/10/2013	9/10/2013	9/10/2013	9/10/2013	9/10/2013	9/10/2013	9/10/2013	9/10/2013	9/10/2013	9/10/2013	9/10/2013	9/10/2013	8/8/2013	8/8/2013	8/8/2013	8/8/2013
Date Sampled:	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Matrix:																	
Antimony (mg/kg)	450	31	6	<2.3 NJ-	----	<2.3 NJ-	----	<2.3 NJ-	----	<2.3 NJ-	----	<2.5 NJ-	----	<2.3 NJ-	<2.4 NJ-	<2.5 NJ-	<2.4 NJ-
Chromium (mg/kg)	120,000	-	-	43.2 EJ	----	22.5 EJ	----	24.4 EJ	----	19.9 EJ	----	17.9 EJ	----	25 *ENJ-	29.4 *ENJ-	21.6 *ENJ-	18.4 *ENJ-
Nickel (mg/kg)	23,000	1,600	205**	15.7	----	16.1	----	16.3	----	16.4	----	15.8	----	12.5	14.4	15.6	13.1
Thallium (mg/kg)	79	5	3	<1.2	----	<1.2	----	<1.2	----	<1.2	----	<1.3	----	<1.2	<1.2	<1.3	<1.2
Vanadium (mg/kg)	1,100	390	-	53.5 EJ	----	25.5 EJ	----	31 EJ	----	26.6 EJ	----	23.5 EJ	----	28.3 NJ-	28.1 NJ-	26.5 NJ-	21.2 NJ-
Chromium, Hexavalent (mg/kg)	20	-	-	1.2 NJ-	2.7 NJ-	<0.47 NJ-	<0.47 NJ-	<0.47 NJ-	<0.47 NJ-	<0.49 NJ-	<0.49 NJ-	<0.50 NJ-	0.54 NJ-	0.49 NJ-	<0.49 NJ-	<0.49 NJ-	<0.49 NJ-
pH	-	-	-	7.83	----	7.45	----	7.6	----	7.82	----	7.8	----	8.14	7.49	7.11	7.4
Redox Potential Vs H2 (mV)	-	-	-	276	----	260	----	270	----	271	----	270	----	255	257	229	235
Solids, Percent (%)	-	-	-	86	----	84.3	----	84.5	----	82.3	----	80.2	----	90.4	82.2	81.2	81.6

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Result exceeded criteria

Table 2D
Historical Soil Samples - Pre-Post-Excavation – Design Borings (2013)
Laboratory Analytical Summary Data for Remaining Soil
PPG Site 63
1 Burma Road
Jersey City, New Jersey
2013- Sampled by CB&I

Sample Location:	NJ Non-Residential Direct Contact	NJ Residential Direct Contact	NJ Default Impact to Groundwater Soil Screening (11/13)	BD007								BD008							
				5-5.5	5-5.5	5-5-6	5-5-6	6-6.5	6-6.5	6.5-7	6.5-7	4.5-5	4.5-5	5-5.5	5-5.5	5.5-6	5.5-6	6-6.5	6-6.5
Elevations (ft msl)				2-2.5	2-2.5	1.5-2	1.5-2	1-1.5	1-1.5	0.5-1	0.5-1	2.4-2.9	2.4-2.9	1.9-2.4	1.9-2.4	1.4-1.9	1.4-1.9	0.9-1.4	0.9-1.4
Client Sample ID:	Soil (NJAC 7:26D 5/12)	Soil (NJAC 7:26D 5/12)	Soil Screening (11/13)	BD007 5-5.5	BD007 5-5.5	BD007 5.5-6	BD007 5.5-6	BD007 6-6.5	BD007 6-6.5	BD007 6.5-7	BD007 6.5-7	BD008 4.5-5	BD008 4.5-5	BD008 5-5.5	BD008 5-5.5	BD008 5.5-6	BD008 5.5-6	BD008 6-6.5	BD008 6-6.5
Lab Sample ID:				JB46883-15	JB46883-15R	JB46883-16	JB46883-16R	JB46883-17	JB46883-17R	JB46883-18	JB46883-18R	JB46883-24	JB46883-24R	JB46883-25	JB46883-25R	JB46883-26	JB46883-26R	JB46883-27	JB46883-27R
Date Sampled:				9/10/2013	9/10/2013	9/10/2013	9/10/2013	9/10/2013	9/10/2013	9/10/2013	9/10/2013	9/10/2013	9/10/2013	9/10/2013	9/10/2013	9/10/2013	9/10/2013	9/10/2013	9/10/2013
Matrix:				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Antimony (mg/kg)	450	31	6	<2.3 NJ-	----	<2.3 NJ-	----	<2.3 NJ-	----	<2.1 NJ-	----	<2.2 NJ-	----	3.8 NJ-	----	3.9 NJ-	----	<11 ^a NJ-***	----
Chromium (mg/kg)	120,000	-	-	38.3 EJ	----	29.1 EJ	----	28.9 EJ	----	31.1 EJ	----	73.2	----	238	----	69.3	----	64.1	----
Nickel (mg/kg)	23,000	1,600	205**	18.5	----	15	----	16.1	----	17.9	----	14.5	----	23.4	----	16.7	----	22.5	----
Thallium (mg/kg)	79	5	3	<1.2	----	<1.2	----	<1.1	----	<1.0	----	<1.1	----	<1.1	----	<1.0	----	<5.7 ^a ***	----
Vanadium (mg/kg)	1,100	390	-	38.5 EJ	----	27.2 EJ	----	36.8 EJ	----	39.7 EJ	----	16.9	----	34.7	----	18.1	----	21.5	----
Chromium, Hexavalent (mg/kg)	20	-	-	0.45 NJ-	0.98 NJ-	0.63 NJ-	1 NJ-	0.81 NJ-	0.75 NJ-	0.6 NJ-	0.64 NJ-	<0.46 NJ-	<0.46 NJ-	<0.50 NJ-	<0.50 NJ-	<0.58 NJ-	<0.58 NJ-	<0.49 NJ-	<0.49 NJ-
pH	-	-	-	7.97	----	7.94	----	8.05	----	7.86	----	7.68	----	7.8	----	7.73	----	7.78	----
Redox Potential Vs H2 (mV)	-	-	-	269	----	271	----	277	----	250	----	273	----	26.6	----	273	----	217	----
Solids, Percent (%)	-	-	-	88.2	----	86.7	----	89.9	----	73.4	----	87.4	----	79.4	----	68.4	----	81.4	----

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Notes:
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ft msl = feet mean sea level
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Result exceeded criteria

Table 2D
Historical Soil Samples - Pre-Post-Excavation – Design Borings (2013)
Laboratory Analytical Summary Data for Remaining Soil
PPG Site 63
1 Burma Road
Jersey City, New Jersey
2013- Sampled by CB&I

Sample Location:	NJ Non-Residential Direct Contact	NJ Residential Direct Contact	NJ Default Impact to Groundwater Soil Screening (11/13)	BD009								BD010					
				4.5-5	4.5-5	5-5.5	5-5.5	5.5-6	5.5-6	6-6.5	6-6.5	5.5-6	5.5-6	6-6.5	6-6.5	6-6.5	6-6.5
Sample Depth (ft bgs):				3.4-3.9	3.4-3.9	2.9-3.4	2.9-3.4	2.4-2.9	2.4-2.9	1.9-2.4	1.9-2.4	2.3-2.8	2.3-2.8	1.8-2.3	1.8-2.3	1.8-2.3	1.8-2.3
Elevations (ft msl)																	
Client Sample ID:	Soil (NJAC)	Soil (NJAC)		BD009 4.5-5	BD009 4.5-5	BD009 5-5.5	BD009 5-5.5	BD009 5.5-6	BD009 5.5-6	BD009 6-6.5	BD009 6-6.5	BD010 5.5-6	BD010 5.5-6	BD010 6-6.5	BD010 6-6.5	DUP11	DUP11
Lab Sample ID:	7:26D 5/12	7:26D 5/12		JB47087-10	JB47087-10R	JB47087-11	JB47087-11R	JB47087-12	JB47087-12R	JB47087-13	JB47087-13R	JB47087-7	JB47087-7R	JB47087-8	JB47087-8R	JB47087-9	JB47087-9R
Date Sampled:				9/11/2013	9/11/2013	9/11/2013	9/11/2013	9/11/2013	9/11/2013	9/11/2013	9/11/2013	9/11/2013	9/11/2013	9/11/2013	9/11/2013	9/11/2013	9/11/2013
Matrix:				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Antimony (mg/kg)	450	31	6	<2.3 NJ-	----	<2.2 NJ-	----	<2.2 NJ-	----	<2.2 NJ-	----	<2.4	----	<2.4	----	93.4 ***	----
Chromium (mg/kg)	120,000	-	-	181	----	21.8	----	19.5	----	49.6	----	490	----	30.1	----	16	----
Nickel (mg/kg)	23,000	1,600	205**	14.8	----	17	----	13.7	----	23.3	----	22.5	----	18.8	----	19	----
Thallium (mg/kg)	79	5	3	<1.1	----	<1.1	----	<1.1	----	<1.1	----	<1.2	----	<1.2	----	<1.2	----
Vanadium (mg/kg)	1,100	390	-	38.9	----	32.4	----	31	----	39.8	----	15.4	----	14.7	----	17	----
Chromium, Hexavalent (mg/kg)	20	-	-	11.2 NJ-	8.3 NJ-	<0.45 NJ-	<0.45 NJ-	<0.45 NJ-	<0.45 NJ-	0.61 NJ-	<0.46 NJ-	<0.49 NJ-	<0.49 NJ-	<0.49 NJ-	<0.49 NJ-	<0.48 NJ-	<0.48 NJ-
pH	-	-	-	7.86	----	7.98	----	7.96	----	7.96	----	8.08	----	8.12	----	8.22	----
Redox Potential Vs H2 (mV)	-	-	-	301	----	300	----	311	----	317	----	296	----	291	----	290	----
Solids, Percent (%)	-	-	-	86.5	----	89.2	----	88.8	----	87.6	----	81.5	----	82.4	----	83	----

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Notes:
CCPW = Chromate Chemical Production Waste
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Result exceeded criteria

Table 2D
Historical Soil Samples - Pre-Post-Excavation – Design Borings (2013)
Laboratory Analytical Summary Data for Remaining Soil
PPG Site 63
1 Burma Road
Jersey City, New Jersey
2013- Sampled by CB&I

Sample Location:	NJ Non-Residential Direct Contact	NJ Residential Direct Contact	NJ Default Impact to Groundwater Soil Screening (11/13)	CD001				CD002				CD003		
				7-7.5 0.8-1.3	7.5-8 0.3-0.8	8-8.5 -0.2 - 0.3	8.5-9 -0.7 - (- 0.2)	6-6.5 1.9-2.4	6.5-7 1.3-1.8	7-7.5 0.8-1.3	7.5-8 0.3-0.8	6.5-7 1.5-2	7-7.5 1-1.5	7.5-8 0.5-1
Sample Depth (ft bgs):	Soil (NJAC 7:26D 5/12)	Soil (NJAC 7:26D 5/12)	Soil (NJAC 7:26D 5/12)	CD001 7-7.5	CD001 7.5-8	CD001 8-8.5	CD001 8.5-9	CD002 6-6.5	CD002 6.5-7	CD002 7-7.5	CD002 7.5-8	CD003 6.5-7	CD003 7-7.5	CD003 7.5-8
Elevations (ft msl)				CD001 7-7.5	CD001 7.5-8	CD001 8-8.5	CD001 8.5-9	CD002 6-6.5	CD002 6.5-7	CD002 7-7.5	CD002 7.5-8	CD003 6.5-7	CD003 7-7.5	CD003 7.5-8
Client Sample ID:	CD001 7-7.5	CD001 7.5-8	CD001 8-8.5	CD001 8.5-9	CD002 6-6.5	CD002 6.5-7	CD002 7-7.5	CD002 7.5-8	CD003 6.5-7	CD003 7-7.5	CD003 7.5-8			
Lab Sample ID:	JB43880-35A	JB43880-1A	JB43880-2A	JB43880-3A	JB43880-4A	JB43880-5A	JB43880-6A	JB43880-7A	JB43880-30A	JB43880-31A	JB43880-32A			
Date Sampled:	7/31/2013	7/31/2013	7/31/2013	7/31/2013	7/30/2013	7/30/2013	7/30/2013	7/30/2013	7/31/2013	7/31/2013	7/31/2013			
Matrix:	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Antimony (mg/kg)	450	31	6	<2.0 NJ-	<2.4 NJ-	<2.4 NJ-	<2.0 NJ-	<2.3 NJ-	<2.3 NJ-	<2.4 NJ-	<2.4 NJ-	<2.4 NJ-	<2.4 NJ-	<2.4 NJ-
Chromium (mg/kg)	120,000	-	-	15.3 NJ+	17.9	17	15.9	25.7	18.9	32.7	15.6	37.7	32.9	17.5
Nickel (mg/kg)	23,000	1,600	205**	13.1	14.3	14.4	17.2	17.5	14.3	22.7	12.2	16.8	16.5	12.9
Thallium (mg/kg)	79	5	3	<1.0	<1.2	<1.2	<1.0	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
Vanadium (mg/kg)	1,100	390	-	22.2	24.4	24.2	23.3	35.5	30.1	49.1	22.7	31.2	29.3	25.4
Chromium, Hexavalent (mg/kg)	20	-	-	<0.52 NJ-	<0.48 NJ-	<0.47 NJ-	5.3 NJ-	0.69 NJ-	0.76 NJ-	0.48 NJ-	0.98 NJ-	<0.47 NJ-	<0.46 NJ-	<0.46 NJ-
pH	-	-	-	6.98	7.13	7.37	6.77	6.88	7.24	6.98	6.72	7.24	7.1	7.21
Redox Potential Vs H2 (mV)	-	-	-	197	310	248	276	241	242	232	239	236	212	213
Solids, Percent (%)	-	-	-	77.2	82.9	84.5	43.6	86.5	86.1	86.6	84.4	85.9	86.6	86.9

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Notes:
CCPW = Chromate Chemical Production Waste
ft msl = feet mean sea level
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Result exceeded criteria

Table 2D
Historical Soil Samples - Pre-Post-Excavation – Design Borings (2013)
Laboratory Analytical Summary Data for Remaining Soil
PPG Site 63
1 Burma Road
Jersey City, New Jersey
2013- Sampled by CB&I

Sample Location:	NJ Non-Residential Direct Contact	NJ Residential Direct Contact	NJ Default Impact to Groundwater Soil Screening (11/13)	CD004				CD006				CD008	CD009	
				7-7.5 0.8-1.3	7.5-8 0.3-0.8	8-8.5 -0.2 - 0.3	8.5-9 -0.7 - (-0.2)	7-7.5 -0.1 - (0.4)	7.5-8 -0.6 - (- 0.1)	8-8.5 -1.1 - (-0.6)	8.5-9 -1.6 - (1.1)	6.5-7 0.5-1	5.5-6 1.7-2.2	6-6.5 1.2-1.7
Sample Depth (ft bgs):	Soil (NJAC 7:26D 5/12)	Soil (NJAC 7:26D 5/12)	Soil (NJAC 7:26D 5/12)	CD004 7-7.5	CD004 7.5-8	CD004 8-8.5	CD004 8.5-9	CD006 7-7.5	CD006 7.5-8	CD006 8-8.5	CD006 8.5-9	CD008 6.5-7	CD009 5.5-6	CD009 6-6.5
Elevations (ft msl):				JB44205-25	JB44205-26	JB44205-27	JB44205-28	JB44205-33	JB44205-34	JB44205-35	JB44205-36	JB43880-43A	JB43880-46A	JB43880-47A
Client Sample ID:				8/5/2013	8/5/2013	8/5/2013	8/5/2013	8/5/2013	8/5/2013	8/5/2013	8/5/2013	8/2/2013	8/2/2013	8/2/2013
Lab Sample ID:				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date Sampled:														
Matrix:														
Antimony (mg/kg)	450	31	6	<2.3 NJ-	<2.3 NJ-	<2.3 NJ-	<2.5 NJ-	<2.3 NJ-	<2.2 NJ-	<2.4 NJ-	<2.1 NJ-	<2.3 NJ-	<2.1 NJ-	<2.4 NJ-
Chromium (mg/kg)	120,000	-	-	46.3 NJ+	34.3 NJ+	22.4 NJ+	18.4 NJ+	46.7 NJ+	29 NJ+	18.4 NJ+	24.3 NJ+	39.5 NJ+	30.3 NJ+	19.5 NJ+
Nickel (mg/kg)	23,000	1,600	205**	11.9	16.9	13.5	14.1	12.2	17	14	17.6	13.2	14.1	15.1
Thallium (mg/kg)	79	5	3	<1.1	<1.1	<1.1	<1.2	<1.1	<1.1	<1.2	<1.0	<1.2	<1.0	<1.2
Vanadium (mg/kg)	1,100	390	-	28.5	41.2	24.6	24.4	24.5	25.8	31.3	30.9	22	32.1	24.5
Chromium, Hexavalent (mg/kg)	20	-	-	1.2 NJ-	<0.47 NJ-	<0.46 NJ-	<0.49 NJ-	<0.44 NJ-	<0.44 NJ-	<0.46 NJ-	<1.2 NJ-	0.55 NJ-	<0.50 NJ-	<0.46 NJ-
pH	-	-	-	6.95	8.76	7.9	7.36	9.31	9.31	8.73	7.37	7.77	7.16	7.34
Redox Potential Vs H2 (mV)	-	-	-	290	279	256	214	224	229	149	233	211	222	225
Solids, Percent (%)	-	-	-	88.9	85.5	87.9	82.4	91	90.4	87.6	33.5	83.6	79.9	87.4

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Notes:

CCPW = Chromate Chemical Production Waste

ft msl = feet mean sea level

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Laboratory Analytical Summary Data for Remaining Soil
PPG Site 63
1 Burma Road
Jersey City, New Jersey
2013- Sampled by CB&I

Sample Location:	NJ Non-Residential Direct Contact	NJ Residential Direct Contact	NJ Default Impact to Groundwater Soil Screening (11/13)	CD010								CD011							
				4.5-5*	4.5-5*	5-5.5	5-5.5	5.5-6	5.5-6	6-6.5	6-6.5	4.5-5	4.5-5	5-5.5	5-5.5	5.5-6	5.5-6	6-6.5	6-6.5
Sample Depth (ft bgs):				2.7-3.2	2.7-3.2	2.2-2.7	2.2-2.7	1.7-2.2	1.7-2.2	1.2-1.7	1.2-1.7	3.1-3.6	3.1-3.6	2.6-3.1	2.6-3.1	2.1-2.6	2.1-2.6	1.6-2.1	1.6-2.1
Elevations (ft msl)																			
Client Sample ID:	Soil (NJAC 7:26D 5/12)	Soil (NJAC 7:26D 5/12)		CD010 4.5-5	CD010 4.5-5	CD010 5-5.5	CD010 5-5.5	CD010 5.5-6	CD010 5.5-6	CD010 6-6.5	CD010 6-6.5	CD011 4.5-5	CD011 4.5-5	CD011 5-5.5	CD011 5-5.5	CD011 5.5-6	CD011 5.5-6	CD011 6-6.5	CD011 6-6.5
Lab Sample ID:				JB46883-1	JB46883-1R	JB46883-2	JB46883-2R	JB46883-3	JB46883-3R	JB46883-4	JB46883-4R	JB46800-42	JB46800-42R	JB46800-43	JB46800-43R	JB46800-44	JB46800-44R	JB46800-45	JB46800-45R
Date Sampled:				9/10/2013	9/10/2013	9/10/2013	9/10/2013	9/10/2013	9/10/2013	9/10/2013	9/10/2013	9/9/2013	9/9/2013	9/9/2013	9/9/2013	9/9/2013	9/9/2013	9/9/2013	9/9/2013
Matrix:				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Antimony (mg/kg)	450	31	6	<2.3 NJ-	----	<2.3 NJ-	----	<2.4	----	<2.4	----	<2.4	----	<2.3	----	<2.3	----	<2.2	----
Chromium (mg/kg)	120,000	-	-	17 EJ	----	58.8 EJ	----	35.8	----	41.2	----	19.7	----	461	----	48.6	----	25.3	----
Nickel (mg/kg)	23,000	1,600	205**	12	----	22.2	----	14.2	----	16	----	14.4	----	14.6	----	12.3	----	13.1	----
Thallium (mg/kg)	79	5	3	<1.1	----	<1.1	----	<1.2	----	<1.2	----	<1.2	----	<1.2	----	<1.1	----	<1.1	----
Vanadium (mg/kg)	1,100	390	-	20.3 EJ	----	45.1 EJ	----	29.4	----	27.8	----	25.8	----	34.2	----	20.8	----	25.9	----
Chromium, Hexavalent (mg/kg)	20	-	-	<0.47 NJ-	<0.47NJ-	0.55 NJ-	0.49 NJ-	0.54 NJ-	<0.46 NJ-	<0.47 NJ-	<0.47 NJ-	<0.48 NJ-	<0.48 NJ-	2.5 NJ-	3.5 NJ-	0.65 NJ-	<0.46 NJ-	<0.46 NJ-	<0.46 NJ-
pH	-	-	-	8.84	----	8.84	----	8.61	----	8.18	----	8.65	----	9.05	----	8.77	----	8.44	----
Redox Potential Vs H2 (mV)	-	-	-	258	----	229	----	244	----	251	----	178	----	169	----	218	----	212	----
Solids, Percent (%)	-	-	-	84.8	----	88.7	----	86.1	----	85.2	----	82.5	----	86.5	----	87.1	----	86.6	----

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Table 2D
Historical Soil Samples - Pre-Post-Excavation – Design Borings (2013)
Laboratory Analytical Summary Data for Remaining Soil
PPG Site 63
1 Burma Road
Jersey City, New Jersey
2013- Sampled by CB&I

Sample Location:	NJ Non-Residential Direct Contact	NJ Residential Direct Contact	NJ Default Impact to Groundwater Soil Screening (11/13)	CD012								CD013								
				5-5.5 2.8-3.3	5.5-6* 2.3-2.8	5.5-6 2.3-2.8	5.5-6 2.3-2.8	5.5-6 2.3-2.8	6-6.5 1.8-2.3	6-6.5 1.8-2.3	6-6.5 1.8-2.3	5-5.5 2.8-3.3	5-5.5 2.8-3.3	5.5-6 2.3-2.8	5.5-6 2.3-2.8	6-6.5 1.8-2.3	6-6.5 1.8-2.3	6.5-7 1.3-1.8	6.5-7 1.3-1.8	6.5-7 1.3-1.8
Elevations (ft msl)	Soil (NJAC 7:26D 5/12)	Soil (NJAC 7:26D 5/12)	Soil Screening (11/13)	CD012 5-5.5	CD012 5.5-6	CD012 5.5-6	DUP 04	DUP 04	CD012 6-6.5	CD012 6-6.5	CD013 5-5.5	CD013 5-5.5	CD013 5.5-6	CD013 5.5-6	CD013 6-6.5	CD013 6-6.5	CD013 6.5-7	CD013 6.5-7	DUP 05	DUP 05
Client Sample ID:				JB46800-17	JB46800-18	JB46800-18R	JB46800-20	JB46800-20R	JB46800-19	JB46800-19R	JB46800-21	JB46800-21R	JB46800-22	JB46800-22R	JB46800-23	JB46800-23R	JB46800-24	JB46800-24R	JB46800-36	JB46800-36R
Lab Sample ID:	9/9/2013	9/9/2013	9/9/2013	9/9/2013	9/9/2013	9/9/2013	9/9/2013	9/9/2013	9/9/2013	9/9/2013	9/9/2013	9/9/2013	9/9/2013	9/9/2013	9/9/2013	9/9/2013	9/9/2013	9/9/2013	9/9/2013	9/9/2013
Date Sampled:	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Matrix:																				
Antimony (mg/kg)	450	31	6	<2.3	<2.3	----	<2.2	----	<2.4	----	<2.3 NJ-	----	<2.0 NJ-	----	<2.1 NJ-	----	<2.2 NJ-	----	<2.2 NJ-	----
Chromium (mg/kg)	120,000	-	-	26	16.7	----	18.4	----	21.1	----	23.3	----	17.9	----	26.8	----	25.9	----	18.4	----
Nickel (mg/kg)	23,000	1,600	205**	13.7	12.6	----	14.9	----	14.4	----	13.9	----	13.7	----	15.3	----	17.2	----	14.7	----
Thallium (mg/kg)	79	5	3	<1.2	<1.2	----	<1.1	----	<1.2	----	<1.2	----	<0.99	----	<1.1	----	<1.1	----	<1.1	----
Vanadium (mg/kg)	1,100	390	-	20.8 NJ+	21.6	----	26.3 NJ+	----	23.6 NJ+	----	21.2	----	19.1	----	23.4	----	27.4	----	27.8	----
Chromium, Hexavalent (mg/kg)	20	-	-	<0.47 NJ-	0.61 NJ-	<0.46 NJ-	0.59 NJ-	<0.46 NJ-	0.46 NJ-	<0.46 NJ-	<0.47 NJ-	0.61 NJ-	<0.51 NJ-	<0.51 NJ-	<0.45 NJ-	0.47 NJ-	<0.44 NJ-	<0.44 NJ-	<0.44 NJ-	<0.44 NJ-
pH	-	-	-	8.32	8.3	----	8.06	----	8.49	----	7.53	----	7.23	----	7.29	----	7.86	----	8.43	----
Redox Potential Vs H2 (mV)	-	-	-	154	147	----	251	----	204	----	201	----	189	----	173	----	166	----	297	----
Solids, Percent (%)	-	-	-	84.5	87.8	----	87.7	----	86.7	----	84.4	----	79.2	----	88.8	----	90.3	----	91.4	----

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Table 2D
Historical Soil Samples - Pre-Post-Excavation – Design Borings (2013)
Laboratory Analytical Summary Data for Remaining Soil
PPG Site 63
1 Burma Road
Jersey City, New Jersey
2013- Sampled by CB&I

Sample Location:	NJ Non-Residential Direct Contact	NJ Residential Direct Contact	NJ Default Impact to Groundwater Soil Screening (11/13)	CD014								CD015					
				8-8.5	8-8.5	8.5-9*	8.5-9	9-9.5	9-9.5	9.5-10	9.5-10	5.5-6	5.5-6	6-6.5	6-6.5	6.5-7	6.5-7
Sample Depth (ft bgs):				-0.1 - 0.4	-0.1 - 0.4	-0.6 - (-0.1)	-0.6 - (-0.1)	-1.1 - (-0.6)	-1.1 - (-0.6)	-1.6 - (-1.1)	-1.6 - (-1.1)	2.2-2.7	2.2-2.7	1.7-2.2	1.7-2.2	1.2-1.7	1.2-1.7
Elevations (ft msl)																	
Client Sample ID:	Soil (NJAC)	Soil (NJAC)		CD014 8-8.5	CD014 8-8.5	CD014 8.5-9	CD014 8.5-9	CD014 9-9.5	CD014 9-9.5	CD014 9.5-10	CD014 9.5-10	CD015 5.5-6	CD015 5.5-6	CD015 6-6.5	CD015 6-6.5	CD015 6.5-7	CD015 6.5-7
Lab Sample ID:	7:26D 5/12	7:26D 5/12		JB44447-33	JB44447-33R	JB44447-34	JB44447-34R	JB44447-35	JB44447-35R	JB44447-36	JB44447-36R	JB44447-30	JB44447-30R	JB44447-31	JB44447-31R	JB44447-32	JB44447-32R
Date Sampled:				8/8/2013	8/8/2013	8/8/2013	8/8/2013	8/8/2013	8/8/2013	8/8/2013	8/8/2013	8/8/2013	8/8/2013	8/8/2013	8/8/2013	8/8/2013	8/8/2013
Matrix:				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Antimony (mg/kg)	450	31	6	<2.0 NJ-	----	<2.5	----	<2.0 NJ-	----	<2.0 NJ-	----	<2.3 NJ-	----	<2.3 NJ-	---	<2.4 NJ-	---
Chromium (mg/kg)	120,000	-	-	483	----	36.3	----	15	----	29.7	----	28.4	----	162	----	35.9	----
Nickel (mg/kg)	23,000	1,600	205**	19.5	----	15.3	----	14.5	----	16.3	----	11.6	----	16.2	----	13.7	----
Thallium (mg/kg)	79	5	3	<1.0	----	<1.2	----	<1.0	----	<0.99	----	<1.2	----	<1.1	----	<1.2	----
Vanadium (mg/kg)	1,100	390	-	41.1	----	20.8	----	17	----	25.4	----	18.3	----	24.1	----	26	----
Chromium, Hexavalent (mg/kg)	20	-	-	3.6 NJ-	10.2 NJ-	<0.48 NJ-	<0.48 NJ-	<0.50 NJ-	<0.50 NJ-	<0.94 NJ-	<0.94 NJ-	<0.47 NJ-	<0.47 NJ-	<0.47 NJ-	0.96 NJ-	<0.48 NJ-	<0.48 NJ-
pH	-	-	-	8.7	----	7.76	----	8.02	----	7.69	----	7.91	----	8.11	----	8.03	----
Redox Potential Vs H2 (mV)	-	-	-	159	----	180	----	183	----	171	----	155	----	160	----	168	----
Solids, Percent (%)	-	-	-	78.1	----	83.2	----	79.8	----	42.5	----	85	----	85.8	----	84.1	----

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Laboratory Analytical Summary Data for Remaining Soil
PPG Site 63
1 Burma Road
Jersey City, New Jersey
2013- Sampled by CB&I

Sample Location:	NJ Non-Residential Direct Contact	NJ Residential Direct Contact	NJ Default Impact to Groundwater Soil Screening (11/13)	CD016						CD017			
				5-5.5	5.5-6	6-6.5	6-6.5	6.5-7	6.5-7	6-6.5	6.5-7	7-7.5	7.5-8
Sample Depth (ft bgs):				2.5-3	2-2.5	1.5-2	1.5-2	1-1.5	1-1.5	1.2-1.7	0.7-1.2	0.2-0.7	-0.3 - 0.2
Elevations (ft msl)													
Client Sample ID:	Soil (NJAC)	Soil (NJAC)		CD016 5-5.5	CD016 5.5-6	CD016 6-6.5	CD016 6-6.5	CD016 6.5-7	CD016 6.5-7	CD017 6-6.5	CD017 6.5-7	CD017 7-7.5	CD017 7.5-8
Lab Sample ID:	7:26D 5/12	7:26D 5/12		JB44447-17	JB44447-18	JB44447-19	JB44447-19R	JB44447-20	JB44447-20R	JB44447-1	JB44447-2	JB44447-3	JB44447-4
Date Sampled:				8/8/2013	8/8/2013	8/8/2013	8/8/2013	8/8/2013	8/8/2013	8/8/2013	8/8/2013	8/8/2013	8/8/2013
Matrix:				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Antimony (mg/kg)	450	31	6	<2.4 NJ-	<2.4 NJ-	<2.0 NJ-	----	<2.0 NJ-	----	<2.3 NJ-	<2.2 NJ-	<2.4 NJ-	<2.5 NJ-
Chromium (mg/kg)	120,000	-	-	25.6 *ENJ-	12.7 *ENJ-	19.8 *ENJ-	----	14 *ENJ-	----	168 *ENJ-	42 *ENJ-	25.4	18.1
Nickel (mg/kg)	23,000	1,600	205**	14.6	12.4	15.3	----	15.3	----	19.2	14.1	16.6	15.8
Thallium (mg/kg)	79	5	3	<1.2	<1.2	<1.0	----	<1.0	----	<1.1	<1.1	<1.2	<1.2
Vanadium (mg/kg)	1,100	390	-	23.5 NJ-	18.7 NJ-	22 NJ-	----	18.1 NJ-	----	44.5 NJ-	25.2 NJ-	20.2	19.9
Chromium, Hexavalent (mg/kg)	20	-	-	<0.47 NJ-	<0.48 NJ-	<0.51 NJ-	<0.51 NJ-	<0.50 NJ-	<0.50 NJ-	2.6 NJ-	1.1 NJ-	0.58 NJ-	0.49 NJ-
pH	-	-	-	8.67	8.56	8.34	----	8.36	----	8.33	8.38	7.88	7.58
Redox Potential Vs H2 (mV)	-	-	-	193	180	182	----	258	----	296	217	241	264
Solids, Percent (%)	-	-	-	84.6	82.7	78.4	----	79.7	----	89.7	89.4	84.1	83.1

Analytical Data Qualifiers:

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R - The reported result is rejected .

Notes:

CCPW = Chromate Chemical Production Waste

ft msl = feet mean sea level

ft bgs = feet below ground surface

mg/kg = milligram per kilogram

mV = millivolts

^a Elevated detection limit due to dilution required for high interfering element.

* Hex Chrome Sample did not pass 2nd QA & QC. See Table 2D-2 for secondary analyses.

**Site-specific impact to groundwater criteria developed using SPLP methodology for Nickel; SPLP = Synthetic Precipitation Leaching Procedure.

***Located below water table so IGW SSL does not apply, and compliance averaged to below standards/criteria.

Result exceeded criteria

Table 2D
Historical Soil Samples - Pre-Post-Excavation – Design Borings (2013)
Laboratory Analytical Summary Data for Remaining Soil
PPG Site 63
1 Burma Road
Jersey City, New Jersey
2013- Sampled by CB&I

Sample Location:	NJ Non-Residential Direct Contact	NJ Residential Direct Contact	NJ Default Impact to Groundwater Soil Screening (11/13)	CD018										CD019							
				4.5-5	4.5-5	5-5.5	5-5.5	5.5-6	5.5-6	6-6.5	6-6.5	6-6.5	6-6.5	4-4.5	4-4.5	4.5-5*	4.5-5*	5-5.5	5-5.5	5.5-6	5.5-6
Elevations (ft msl)				2.7-3.2	2.7-3.2	2.2-2.7	2.2-2.7	1.7-2.2	1.7-2.2	1.2-1.7	1.2-1.7	1.2-1.7	1.2-1.7	3.3-3.8	3.3-3.8	2.8-3.3	2.8-3.3	2.3-2.8	2.3-2.8	1.8-2.3	1.8-2.3
Client Sample ID:	Soil (NJAC)	Soil (NJAC)		CD018 4.5-5	CD018 4.5-5	CD018 5-5.5	CD018 5-5.5	CD018 5.5-6	CD018 5.5-6	CD018 6-6.5	CD018 6-6.5	DUP 13	DUP 13	CD019 4-4.5	CD019 4-4.5	CD019 4.5-5	CD019 4.5-5	CD019 5-5.5	CD019 5-5.5	CD019 5.5-6	CD019 5.5-6
Lab Sample ID:	7:26D 5/12	7:26D 5/12		JB47185-2	JB47185-2R	JB47185-3	JB47185-3R	JB47185-4	JB47185-4R	JB47185-5	JB47185-5R	JB47185-6	JB47185-6R	JB47183-1	JB47183-1R	JB47183-2	JB47183-2R	JB47183-3	JB47183-3R	JB47183-4	JB47183-4R
Date Sampled:				9/12/2013	9/12/2013	9/12/2013	9/12/2013	9/12/2013	9/12/2013	9/12/2013	9/12/2013	9/12/2013	9/12/2013	9/12/2013	9/12/2013	9/12/2013	9/12/2013	9/12/2013	9/12/2013	9/12/2013	9/12/2013
Matrix:				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Antimony (mg/kg)	450	31	6	<2.1 NJ-	----	<2.4	----	<2.4	----	<2.5	----	<2.4	----	<2.3 NJ-	----	<2.4 NJ-	----	3.4 NJ-	----	<2.3 NJ-	----
Chromium (mg/kg)	120,000	-	-	69.0 ^a *J	----	18.8	----	34.4	----	19.2	----	22.7	----	216	----	70.3	----	160	----	25.9	----
Nickel (mg/kg)	23,000	1,600	205**	12.7 ^a	----	11.2	----	16.8	----	16.9	----	17	----	11.3	----	16.6	----	22.9	----	17.1	----
Thallium (mg/kg)	79	5	3	<2.1 ^a	----	<1.2	----	<1.2	----	<1.3	----	<1.2	----	<1.1	----	<1.2	----	<0.99	----	<1.2	----
Vanadium (mg/kg)	1,100	390	-	28	----	21.4	----	28.3	----	24.5	----	23.9	----	24.1	----	15.6	----	29.3	----	36.7	----
Chromium, Hexavalent (mg/kg)	20	-	-	<0.44 NJ-	0.49 NJ-	<0.47 NJ-	0.89 NJ-	0.56 NJ-	<0.48 NJ-	<0.50 NJ-	<0.50 NJ-	<0.49 NJ-	<0.49 NJ-	<0.45 NJ-	<0.48 NJ-	0.51 NJ-	<0.55 NJ-	<0.55 NJ-	<0.47 NJ-	<0.47 NJ-	----
pH	-	-	-	7.92	----	7.97	----	7.66	----	8	----	7.79	----	8.01	----	7.99	----	7.7	----	7.73	----
Redox Potential Vs H2 (mV)	-	-	-	275	----	276	----	273	----	290	----	271	----	284	----	289	----	292	----	256	----
Solids, Percent (%)	-	-	-	90.2	----	85.3	----	83.6	----	79.3	----	81.8	----	89.6	----	84.2	----	72.1	----	84.3	----

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Notes:
CCPW = Chromate Chemical Production Waste
ft msl = feet mean sea level
ft bgs = feet below ground surface
mg/kg = milligram per kilogram
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Result exceeded criteria

Table 2D
Historical Soil Samples - Pre-Post-Excavation – Design Borings (2013)
Laboratory Analytical Summary Data for Remaining Soil
PPG Site 63
1 Burma Road
Jersey City, New Jersey
2013- Sampled by CB&I

Sample Location:	NJ Non-Residential Direct Contact	NJ Residential Direct Contact	NJ Default Impact to Groundwater Soil Screening (11/13)	DD001				DD002				DD004	DD005			
				7-7.5 0.9-1.4	7.5-8 0.4-0.9	8-8.5 -0.1 - (0.4)	8.5-9 -0.6 - (-0.1)	6-6.5 1.5-2	6.5-7 1-1.5	7-7.5 0.5-1	7.5-8 0-0.5	6.5-7 0.9-1.4	5-5.5 2.5-3	5-5.5 2.5-3	5.5-6 2-2.5	5.5-6 2-2.5
Sample Depth (ft bgs):																
Elevations (ft msl)																
Client Sample ID:	Soil (NJAC 7:26D 5/12)	Soil (NJAC 7:26D 5/12)		DD001 7-7.5	DD001 7.5-8	DD001 8-8.5	DD001 8.5-9	DD002 6-6.5	DD002 6.5-7	DD002 7-7.5	DD002 7.5-8	DD004 6.5-7	DD005 5-5.5	DD005 5-5.5	DD005 5.5-6	DD005 5.5-6
Lab Sample ID:				JB43880-8A	JB43880-9A	JB43880-10A	JB43880-11A	JB44205-29	JB44205-30	JB44205-31	JB44205-32	JB43880-23A	JB47183-12	JB47183-12R	JB47185-1	JB47185-1R
Date Sampled:				7/31/2013	7/31/2013	7/31/2013	7/31/2013	8/5/2013	8/5/2013	8/5/2013	8/5/2013	8/1/2013	9/12/2013	9/12/2013	9/12/2013	9/12/2013
Matrix:				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Antimony (mg/kg)	450	31	6	<2.3 NJ-	<2.4 NJ-	<2.4 NJ-	<2.6 NJ-	<2.2 NJ-	<2.2 NJ-	<2.3 NJ-	<2.3 NJ-	<2.5 NJ-	<2.4 NJ-	----	<2.3 NJ-	----
Chromium (mg/kg)	120,000	-	-	20.1	16.9	15.1	17	24.1 NJ+	25.8 NJ+	19.5 NJ+	16.7 NJ+	19.2	15.9	----	58.1 *J	----
Nickel (mg/kg)	23,000	1,600	205**	14.3	13.1	12.2	13.3	14.4	12.2	13.4	14.5	15	13.8	----	15	----
Thallium (mg/kg)	79	5	3	<1.2	<1.2	<1.2	<1.3	<1.1	<1.1	<1.2	<1.1	<1.3	<1.2	----	<1.2	----
Vanadium (mg/kg)	1,100	390	-	28.2	22	19.6	21.2	27.7	24.7	23.1	22.6	23.8	20.9	----	23.8	----
Chromium, Hexavalent (mg/kg)	20	-	-	<0.47 NJ-	0.49 NJ-	0.49 NJ-	0.69 NJ-	<0.46 NJ-	<0.46 NJ-	<0.46 NJ-	<0.46 NJ-	<0.50 NJ-	<0.48 NJ-	<0.48 NJ-	<0.49 NJ-	<0.49 NJ-
pH	-	-	-	7.81	7.72	6.98	7.26	8.46	8.72	8.56	8.44	7.54	8.8	----	8.6	----
Redox Potential Vs H2 (mV)	-	-	-	216	226	309	317	214	206	229	235	237	173	----	269	----
Solids, Percent (%)	-	-	-	85.4	84.2	83.4	80.7	86.4	86.5	86.9	87.6	80.6	82.6	----	81.4	----

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Notes:
CCPW = Chromate Chemical Production Waste
ft msl = feet mean sea level
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mg/kg = milligram per kilogram
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^a Elevated detection limit due to dilution required for high interfering element.
* Hex Chrome Sample did not pass 2nd QA & QC. See Table 2D-2 for secondary analyses.
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Result exceeded criteria

Table 2D
Historical Soil Samples - Pre-Post-Excavation – Design Borings (2013)
Laboratory Analytical Summary Data for Remaining Soil
PPG Site 63
1 Burma Road
Jersey City, New Jersey
2013- Sampled by CB&I

Sample Location:	NJ Non-Residential Direct Contact	NJ Residential Direct Contact	NJ Default Impact to Groundwater Soil Screening (11/13)	DD006								DD007					
				4.5-5	4.5-5	5-5.5	5-5.5	5.5-6	5.5-6	6-6.5	6-6.5	5-5.5	5-5.5	5.5-6	5.5-6	6-6.5	6-6.5
Sample Depth (ft bgs):				3.2-3.7	3.2-3.7	2.7-3.2	2.7-3.2	2.2-2.7	2.2-2.7	1.7-2.2	1.7-2.2	2.8-3.3	2.8-3.3	2.3-2.8	2.3-2.8	1.8-2.3	1.8-2.3
Elevations (ft msl)																	
Client Sample ID:	Soil (NJAC 7:26D 5/12)	Soil (NJAC 7:26D 5/12)		DD006 4.5-5	DD006 4.5-5	DD006 5-5.5	DD006 5-5.5	DD006 5.5-6	DD006 5.5-6	DD006 6-6.5	DD006 6-6.5	DD007 5-5.5	DD007 5-5.5	DD007 5.5-6	DD007 5.5-6	DD007 6-6.5	DD007 6-6.5
Lab Sample ID:				JB44447-65	JB44447-65R	JB44447-66	JB44447-66R	JB44447-67	JB44447-67R	JB44447-68	JB44447-68R	JB44447-38	JB44447-38R	JB44447-39	JB44447-39R	JB44447-40	JB44447-40R
Date Sampled:				8/7/2013	8/7/2013	8/7/2013	8/7/2013	8/7/2013	8/7/2013	8/7/2013	8/7/2013	8/7/2013	8/7/2013	8/7/2013	8/7/2013	8/7/2013	8/7/2013
Matrix:				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Antimony (mg/kg)	450	31	6	<2.0	----	<2.5	----	<2.3	----	<2.3	----	<2.3 NJ-	----	<2.3 NJ-	----	<2.4 NJ-	----
Chromium (mg/kg)	120,000	-	-	71.7	----	30.7	----	59.7	----	33.6	----	18.8	----	17.9	----	24	----
Nickel (mg/kg)	23,000	1,600	205**	15.6	----	14.5	----	14.2	----	15.1	----	10.4	----	13.6	----	16	----
Thallium (mg/kg)	79	5	3	<1.0	----	<1.2	----	<1.1	----	<1.2	----	<1.1	----	<1.1	----	<1.2	----
Vanadium (mg/kg)	1,100	390	-	28	----	25.5	----	22.1	----	24	----	19.3	----	23.8	----	30.6	----
Chromium, Hexavalent (mg/kg)	20	-	-	1.7 NJ-	<0.53 NJ-	<0.48 NJ-	<0.48 NJ-	0.79 NJ-	0.7 NJ-	<0.49 NJ-	<0.49 NJ-	1.2 NJ-	0.57 NJ-	<0.45 NJ-	<0.45 NJ-	<0.46 NJ-	0.46 NJ-
pH	-	-	-	8.47	----	8.62	----	8.37	----	8.1	----	8.9	----	8.61	----	8.34	----
Redox Potential Vs H2 (mV)	-	-	-	134	----	163	----	184	----	193	----	217	----	220	----	237	----
Solids, Percent (%)	-	-	-	75.8	----	83.4	----	84.4	----	82.1	----	88.9	----	88.5	----	87.5	----

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Notes:
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Result exceeded criteria

Table 2D
Historical Soil Samples - Pre-Post-Excavation – Design Borings (2013)
Laboratory Analytical Summary Data for Remaining Soil
PPG Site 63
1 Burma Road
Jersey City, New Jersey
2013- Sampled by CB&I

Sample Location:	NJ Non-Residential Direct Contact	NJ Residential Direct Contact	NJ Default Impact to Groundwater Soil Screening (11/13)	DD008				DD009						ED001			
				5-5.5	5.5-6	6-6.5	6.5-7	5.5-6	5.5-6	6-6.5	6-6.5	6.5-7	6.5-7	7-7.5	7-7.5	5-5.5	5.5-6
Sample Depth (ft bgs):				2.4-2.9	1.9-2.4	1.4-1.9	0.9-1.4	1.8-2.3	1.8-2.3	1.3-1.8	1.3-1.8	0.8-1.3	0.8-1.3	0.3-0.8	0.3-0.8	3.3-3.8	2.8-3.3
Elevations (ft msl)																	
Client Sample ID:	Soil (NJAC 7:26D 5/12)	Soil (NJAC 7:26D 5/12)		DD008 5-5.5	DD008 5.5-6	DD008 6-6.5	DD008 6.5-7	DD009 5.5-6	DD009 5.5-6	DD009 6-6.5	DD009 6-6.5	DD009 6.5-7	DD009 6.5-7	DD009 7-7.5	DD009 7-7.5	ED001 5-5.5	ED001 5.5-6
Lab Sample ID:				JB44447-9	JB44447-10	JB44447-11	JB44447-12	JB44447-21	JB44447-21R	JB44447-22	JB44447-22R	JB44447-23	JB44447-23R	JB44447-24	JB44447-24R	JB43880-14A	JB43880-15A
Date Sampled:				8/9/2013	8/9/2013	8/9/2013	8/9/2013	8/8/2013	8/8/2013	8/8/2013	8/8/2013	8/8/2013	8/8/2013	8/8/2013	8/8/2013	7/31/2013	7/31/2013
Matrix:				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Antimony (mg/kg)	450	31	6	<2.5	<2.2 NJ-	<2.4 NJ-	<2.3 NJ-	<2.4 NJ-	----	<2.0 NJ-	----	<2.0 NJ-	----	<2.0 NJ-	----	<2.6 NJ-	<2.5 NJ-
Chromium (mg/kg)	120,000	-	-	19.9	14.9 *ENJ-	20.2 *ENJ-	15.4 *ENJ-	15.5	----	14.6	----	14.7	----	13.5	----	21.6	22.1
Nickel (mg/kg)	23,000	1,600	205**	16	13.7	14	14.9	15.1	----	14.7	----	14.9	----	14.7	----	14.2	15.2
Thallium (mg/kg)	79	5	3	<1.2	<1.1	<1.2	<1.2	<1.2	----	<1.0	----	<1.0	----	<1.0	----	<1.3	<1.2
Vanadium (mg/kg)	1,100	390	-	20.4	17.9 NJ-	17.8 NJ-	19.7 NJ-	19.4	----	17.7	----	18.9	----	18	----	23.7	26.1
Chromium, Hexavalent (mg/kg)	20	-	-	<0.47 NJ-	<0.45 NJ-	<0.48 NJ-	<0.49 NJ-	<0.48 NJ-	<0.48 NJ-	<0.53 NJ-	<0.53 NJ-	<0.50 NJ-	<0.50 NJ-	<0.51 NJ-	<0.51 NJ-	1.6 NJ-	3.5 NJ-
pH	-	-	-	8.38	7.9	7.81	7.97	7.89	----	7.4	----	7.84	----	7.71	----	7.07	7.24
Redox Potential Vs H2 (mV)	-	-	-	141	238	221	238	238	----	222	----	223	----	213	----	276	273
Solids, Percent (%)	-	-	-	85.4	89.1	83.4	81.7	83.3	----	75.8	----	79.7	----	78.9	----	80.1	83.2

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PPG Site 63
1 Burma Road
Jersey City, New Jersey
2013- Sampled by CB&I

Sample Location:	NJ Non-Residential Direct Contact	NJ Residential Direct Contact	NJ Default Impact to Groundwater Soil Screening (11/13)	ED002				ED003			ED004						ED005			
				4-4.5	4.5-5	6-6.5	6.5-7	4.5-5	7-7.5	7.5-8	4.5-5	4.5-5	7.5-8	7.5-8	8-8.5	8-8.5	4-4.5	4.5-5	6-6.5	6.5-7
Elevations (ft msl)				4-4.5	3.5-4	2-2.5	1.5-2	3.5-4	1-1.5	0.5-1	3-3.5	3-3.5	0-0.5	0-0.5	-0.5 - 0	-0.5 - 0	3.4-3.9	2.9-3.4	1.4-1.9	0.9-1.4
Client Sample ID:	Soil (NJAC)	Soil (NJAC)		ED002 4-4.5	ED002 4.5-5	ED002 6-6.5	ED002 6.5-7	ED003 4.5-5	ED003 7-7.5	ED003 7.5-8	ED004 4.5-5	ED004 4.5-5	ED004 7.5-8	ED004 7.5-8	ED004 8-8.5	ED004 8-8.5	ED005 4-4.5	ED005 4.5-5	ED005 6-6.5	ED005 6.5-7
Lab Sample ID:	7:26D 5/12	7:26D 5/12		JB43880-24A	JB43880-25A	JB43880-26A	JB43880-27A	JB43880-17A	JB43880-18A	JB43880-19A	JB44447-50	JB44447-50R	JB44447-51	JB44447-51R	JB44447-52	JB44447-52R	JB44205-45	JB44205-46	JB44205-47	JB44205-48
Date Sampled:				7/29/2013	7/29/2013	7/30/2013	7/30/2013	8/1/2013	8/1/2013	8/1/2013	8/6/2013	8/6/2013	8/6/2013	8/6/2013	8/6/2013	8/6/2013	8/6/2013	8/6/2013	8/6/2013	8/6/2013
Matrix:				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Antimony (mg/kg)	450	31	6	<2.3 NJ-	<2.5 NJ-	<2.4 NJ-	<2.4 NJ-	<2.3 NJ-	<2.4 NJ-	<2.4 NJ-	<2.4	----	<2.3	----	<2.4	----	<2.3 NJ-	<2.3 NJ-	<2.3 NJ-	<2.5 NJ-
Chromium (mg/kg)	120,000	-	-	32.4	26.9	39.9	17.1	23.8	22.2	28.2	283	----	54	----	51	----	38.7	72.5	470	83.6
Nickel (mg/kg)	23,000	1,600	205**	18.7	13.4	17.9	13.9	14.1	14.7	15	17.2	----	16.4	----	16	----	12.6	16.1	13.6	14.7
Thallium (mg/kg)	79	5	3	<1.2	<1.3	<1.2	<1.2	<1.1	<1.2	<1.2	<1.2	----	<1.2	----	<1.2	----	<1.2	<1.2	<1.2	<1.2
Vanadium (mg/kg)	1,100	390	-	30.9	23.2	37.3	25.4	33	24.2	27.5	40.3	----	31.6	----	29.1	----	21.3	32	26.9	27.9
Chromium, Hexavalent (mg/kg)	20	-	-	<0.47 NJ-	<0.50 NJ-	<0.46 NJ-	<0.47 NJ-	0.61 NJ-	4.3 NJ-	0.63 NJ-	<0.46 NJ-	0.72 NJ-	1.2 NJ-	1.3 NJ-	0.94 NJ-	0.57 NJ-	<0.47 NJ-	<0.45 NJ-	0.86 NJ-	<0.49 NJ-
pH	-	-	-	8.32	7.96	8.41	7.88	8.68	7.64	7.93	10.28	----	9.06	----	9.42	----	10.07	9.84	9.48	8.79
Redox Potential Vs H2 (mV)	-	-	-	224	164	171	192	255	222	214	53	----	95.3	----	112	----	84	90.2	142	167
Solids, Percent (%)	-	-	-	84.4	80.6	87.6	84.4	89.2	84.1	87.6	87.1	----	85.3	----	88.1	----	86	89.4	87.7	81.1

Analytical Data Qualifiers:
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J - The reported result is an estimated value.
*J - Duplicate analysis not within control limits; result is estimated with indeterminate bias direction.
EJ - The reported value is estimated because of the presence of interference; indeterminate bias direction.
N -The matrix spike sample recovery in the associated QC sample is not within QC limits.
J+ - The result is estimated and may be biased high.
J- The result is estimated and may be biased low.
R - The reported result is rejected .
Notes:
CCPW = Chromate Chemical Production Waste
ft msl = feet mean sea level
ft bgs = feet below ground surface
mg/kg = milligram per kilogram
mV = millivolts
^a Elevated detection limit due to dilution required for high interfering element.
* Hex Chrome Sample did not pass 2nd QA & QC. See Table 2D-2 for secondary analyses.
**Site-specific impact to groundwater criteria developed using SPLP methodology for Nickel; SPLP = Synthetic Precipitation Leaching Procedure.
***Located below water table so IGW SSL does not apply, and compliance averaged to below standards/criteria.

Result exceeded criteria

Table 2D
Historical Soil Samples - Pre-Post-Excavation – Design Borings (2013)
Laboratory Analytical Summary Data for Remaining Soil
PPG Site 63
1 Burma Road
Jersey City, New Jersey
2013- Sampled by CB&I

Sample Location:	NJ Non-Residential Direct Contact	NJ Residential Direct Contact	NJ Default Impact to Groundwater Soil Screening (11/13)	ED006				ED007	ED008	ED009		ED010					
				4.5-5*	4.5-5*	5.5-6	5.5-6	6-6.5	6-6.5	5.5-6	6-6.5	5.5-6	5.5-6	7.5-8	7.5-8	8-8.5	8-8.5
Sample Depth (ft bgs):				3-3.5	3-3.5	2-2.5	2-2.5	1.5-2	1.5-2	2-2.5	1.5-2	2.1-2.6	2.1-2.6	0.5-1	0.5-1	0-0.5	0-0.5
Elevations (ft msl)																	
Client Sample ID:	Soil (NJAC)	Soil (NJAC)		ED006 4.5-5	ED006 4.5-5	ED006 5.5-6	ED006 5.5-6	ED006 6-6.5	ED006 6-6.5	ED007 5.5-6	ED008 6-6.5	ED009 5.5-6	ED009 5.5-6	ED010 7.5-8	ED010 7.5-8	ED010 8-8.5	ED010 8-8.5
Lab Sample ID:	7:26D 5/12	7:26D 5/12		JB44447-62	JB44447-62R	JB44447-63	JB44447-63R	JB44447-64	JB44447-64R	JB44205-40	JB44205-24	JB44447-56	JB44447-56R	JB44447-71	JB44447-71R	JB44447-72	JB44447-72R
Date Sampled:				8/7/2013	8/7/2013	8/7/2013	8/7/2013	8/7/2013	8/7/2013	8/6/2013	8/6/2013	8/6/2013	8/6/2013	8/7/2013	8/7/2013	8/7/2013	8/7/2013
Matrix:				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Antimony (mg/kg)	450	31	6	<2.2	----	<2.3	----	<2.4	----	<2.0 NJ-	<2.0 NJ-	<2.4	----	<2.4	----	<2.5	----
Chromium (mg/kg)	120,000	-	-	152	----	29	----	13	----	29.5 NJ+	18 NJ+	20.2	----	77.6	----	23.5	----
Nickel (mg/kg)	23,000	1,600	205**	13.8	----	16.5	----	12.2	----	16.3	13.1	16	----	13.5	----	12.2	----
Thallium (mg/kg)	79	5	3	<1.1	----	<1.2	----	<1.2	----	<0.99	<1.0	<1.2	----	<1.2	----	<1.2	----
Vanadium (mg/kg)	1,100	390	-	24.5	----	22.4	----	17.7	----	20.6	17.9	21.6	----	24.6	----	21.6	----
Chromium, Hexavalent (mg/kg)	20	-	-	4.6 NJ-	11.5 NJ-	<0.49 NJ-	<0.49 NJ-	<0.48 NJ-	<0.48 NJ-	<0.51 NJ-	1 NJ-	<0.49 NJ-	<0.49 NJ-	1.3 NJ-	13 NJ-	0.52 NJ-	<0.50 NJ-
pH	-	-	-	9.57	----	8.76	----	8.59	----	7.76	8.8	8.48	----	8.63	----	8.49	----
Redox Potential Vs H2 (mV)	-	-	-	131	----	149	----	161	----	292	329	156	----	165	----	157	----
Solids, Percent (%)	-	-	-	88.5	----	82.3	----	83	----	77.9	77.3	81.4	----	82.9	----	80.2	----

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J+ - The result is estimated and may be biased high.
J- The result is estimated and may be biased low.
R - The reported result is rejected .
Notes:
CCPW = Chromate Chemical Production Waste
ft msl = feet mean sea level
ft bgs = feet below ground surface
mg/kg = milligram per kilogram
mV = millivolts
^a Elevated detection limit due to dilution required for high interfering element.
* Hex Chrome Sample did not pass 2nd QA & QC. See Table 2D-2 for secondary analyses.
**Site-specific impact to groundwater criteria developed using SPLP methodology for Nickel; SPLP = Synthetic Precipitation Leaching Procedure.
***Located below water table so IGW SSL does not apply, and compliance averaged to below standards/criteria.

Result exceeded criteria

Table 2D
Historical Soil Samples - Pre-Post-Excavation – Design Borings (2013)
Laboratory Analytical Summary Data for Remaining Soil
PPG Site 63
1 Burma Road
Jersey City, New Jersey
2013- Sampled by CB&I

Sample Location:	NJ Non-Residential Direct Contact	NJ Residential Direct Contact	NJ Default Impact to Groundwater Soil Screening (11/13)	ED013				FD001			FD002						FD004	
				5.5-6	6-6.5	6.5-7	7-7.5	6-6.5	6.5-7	7-7.5	4.5-5	4.5-5	5-5.5	5-5.5	5.5-6	5.5-6	6-6.5	6-6.5
Sample Depth (ft bgs):				2.4-2.9	1.9-2.4	1.4-1.9	0.9-1.4	2.1-2.6	1.6-2.1	1.1-1.6	3.6-4.1	3.6-4.1	3.1-3.6	3.1-3.6	2.6-3.1	2.6-3.1	1.6-2.1	1.6-2.1
Elevations (ft msl)																		
Client Sample ID:	Soil (NJAC 7:26D 5/12)	Soil (NJAC 7:26D 5/12)		ED013 5.5-6	ED013 6-6.5	ED013 6.5-7	ED013 7-7.5	FD001 6-6.5	FD001 6.5-7	FD001 7-7.5	FD002 4.5-5	FD002 4.5-5	FD002 5-5.5	FD002 5-5.5	FD002 5.5-6	FD002 5.5-6	FD004 6-6.5	FD004 6-6.5
Lab Sample ID:				JB44447-5	JB44447-6	JB44447-7	JB44447-8	JB44205-42	JB44205-43	JB44205-44	JB44447-58	JB44447-58R	JB44447-59	JB44447-59R	JB44447-60	JB44447-60R	JB44447-28	JB44447-28R
Date Sampled:				8/9/2013	8/9/2013	8/9/2013	8/9/2013	8/6/2013	8/6/2013	8/6/2013	8/6/2013	8/6/2013	8/6/2013	8/6/2013	8/6/2013	8/6/2013	8/8/2013	8/8/2013
Matrix:				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Antimony (mg/kg)	450	31	6	<2.0	<2.4	<2.3	<2.4	<2.4 NJ-	<2.4 NJ-	<2.4 NJ-	<2.2	----	<2.4	----	<2.5	----	<2.0 NJ-	----
Chromium (mg/kg)	120,000	-	-	647	15.3	70.9	60.6	18.6	14.9	16.1	214	----	70.5	----	17.7	----	12.6	----
Nickel (mg/kg)	23,000	1,600	205**	18.8	14.7	15.5	15.7	15.6	13.1	13.4	21.4	----	13.4	----	11.4	----	12.7	----
Thallium (mg/kg)	79	5	3	<1.0	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.1	----	<1.2	----	<1.2	----	<0.99	----
Vanadium (mg/kg)	1,100	390	-	35	17.8	22.2	22.2	23	19.7	20.8	47.8	----	21.9	----	16.6	----	16.9	----
Chromium, Hexavalent (mg/kg)	20	-	-	0.53 NJ-	<0.49 NJ-	<0.48 NJ-	<0.49 NJ-	<0.46 NJ-	<0.49 NJ-	<0.47 NJ-	7.4	7.7	9.6	0.97	<0.47	<0.47	<0.52	<0.52
pH	-	-	-	8.35	7.62	7.8	7.99	8.02	7.56	7.6	9.18	----	9.22	----	7.35	----	7.27	----
Redox Potential Vs H2 (mV)	-	-	-	127	123	131	147	284	282	281	176	----	177	----	179	----	200	----
Solids, Percent (%)	-	-	-	75	81.1	83.5	82.1	86.2	81.8	85.8	88.1	----	84.3	----	84.9	----	77.2	----

Analytical Data Qualifiers:
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R - The reported result is rejected .
Notes:
CCPW = Chromate Chemical Production Waste
ft msl = feet mean sea level
ft bgs = feet below ground surface
mg/kg = milligram per kilogram
mV = millivolts
^a Elevated detection limit due to dilution required for high interfering element.
* Hex Chrome Sample did not pass 2nd QA & QC. See Table 2D-2 for secondary analyses.
**Site-specific impact to groundwater criteria developed using SPLP methodology for Nickel; SPLP = Synthetic Precipitation Leaching Procedure.
***Located below water table so IGW SSL does not apply, and compliance averaged to below standards/criteria.

Result exceeded criteria

Table 2D-2
Soil Analytical Rerun Summary Table
PPG Site 63, 1 Burma Road Jersey City, NJ
Sampled by CB&I

Sample Location:	CD010	CD012	CD014	CD019	ED004	ED006
Sample Depth (ft bgs):	4.5-5	5.5-6	8.5-9	4.5-5	4-4.5	4.5-5
Client Sample ID:	CD010 4.5-5	CD012 5.5-6	CD014 8.5-9	CD019 4.5-5	ED004 4-4.5	ED006 4.5-5
Lab Sample ID:	JB46883-1RT	JB46800-18RT	JB44447-34RT	JB47183-2RT	JB44447-49RT	JB44447-62RT
Date Sampled:	9/10/2013	9/9/2013	8/8/2013	9/12/2013	8/6/2013	8/7/2013
Matrix:	Soil	Soil	Soil	Soil	Soil	Soil
Iron, Ferrous (%)	1.2 ^a	0.74 ^a	0.96 ^a	3.1 ^a	0.71 ^a	1.1 ^a
Sulfide Screen	NEGATIVE ^b	NEGATIVE ^b	NEGATIVE ^b	NEGATIVE ^b	NEGATIVE ^b	NEGATIVE ^b
Total Organic Carbon (mg/Kg)	2680 ^c	2330 ^c	4150 ^c	68400 ^c	4400 ^c	4110 ^c

Footnotes:

^a The ferrous iron test was analyzed after completion of Cr6 testing (outside of normal hold times for this parameter) in order to provide more information about the possible impact of the sample matrix on Cr6 recoveries.

^b The sulfide screen test was analyzed after completion of Cr6 testing (outside of normal hold times for this parameter) in order to provide more information about the possible impact of the sample matrix on Cr6 recoveries.

^c Analysis done out of holding time.

mg/kg = milligram per kilogram

ft bgs = feet below ground surface

Table 2F
Historical Soil Samples
Remedial Investigation (2012-2013)
Laboratory Analytical Data for Remaining Soil Remedial Investigation Report
PPG Site 63
1 Burma Road
Jersey City, New Jersey

Sample Location:	NJ	NJ	NJ Default	063_C013				063_C013A				
				5-5.5	10-10.5	15-15.5	20-20.5	0-0.5	0.5-1	1.5-2	2.5-3	3.5-4
Sample Depth (ft bgs):	Non-Residential Direct Contact Soil (NJAC 7:26D 5/12)	Residential Direct Contact Soil (NJAC 7:26D 5/12)	Impact to Groundwater Soil Screening (11/13)	2-2.5	-2 - (-2.5)	-7 - (-7.5)	-12 - (-12.5)	10.5-11	10-10.5	9-9.5	8-8.5	7-7.5
Sample Elevation (ft msl):				460-48605-17	460-48605-18	460-48605-19	460-48605-27	460-52992-6	460-52992-7	460-52992-8	460-52992-9	460-52992-10
Sample ID:				12/17/2012	12/17/2012	12/17/2012	12/17/2012	03/25/2013	03/25/2013	03/25/2013	03/25/2013	03/25/2013
Date:				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Matrix:												
Antimony (mg/kg)	450	31	6	0.42 U	0.41 U	1.2 U	0.41 U	10.0*	18.8*	9.8*	11.1*	12.4*
Chromium (mg/kg)	120,000	N/A	N/A	86.7	16.5	14.9	14.3	295	60.5	192	127	94.5
Nickel (mg/kg)	23,000	1,600	205**	12.2	13.4	12.4	11	84.9	51.7	69.3	53.7	54.2
Thallium (mg/kg)	79	5	3	0.2 U	0.19 U	0.58 U	0.19 U	0.22 U	0.21 U	0.23 U	0.20 U	0.21 U
Vanadium (mg/kg)	1,100	390	N/A	20.6	20.6	20.1	22	41.4	37.5	49.6	34.7	30.6
Hexavalent Chromium (mg/kg)	20	N/A	N/A	0.85 U	0.85 U	2.4 U	0.83 U	0.63 U	0.59 U	0.66 U	0.56 U	0.58 U

U = NON DETECT

J = ESTIMATED

IGW SSL = DEFAULT IMPACT TO
GROUNDWATER SOIL SCREENING
LEVEL

FT MSL = FEET MEAN SEA LEVEL

FT BGS = FEET BELOW GROUND
SURFACE

MG/KG= MILLIGRAM PER KILOGRAM

N/A= NOT AVAILABLE

* METAL EXCEEDANCE AT THIS
LOCATION ARE NOT INDICATIVE OF
CCPW RELATED CONTAMINATION

** SITE SPECIFIC - IGW SSL

FOR 063_F010, 063_Z002, 063_Z005,
MW-9 AND MW-12
DEPTHS/ELEVATIONS PRESENTED IN
THIS TABLE REPRESENT THE TOP OF
THE SAMPLE INTERVAL OF 0.5-FT.

Result exceeded criteria

Table 2F
Historical Soil Samples
Remedial Investigation (2012-2013)
Laboratory Analytical Data for Remaining Soil Remedial Investigation Report
PPG Site 63
1 Burma Road
Jersey City, New Jersey

Sample Location:	NJ Non-Residential	NJ Residential	NJ Default Impact to Groundwater	063_C014A					063_F010				
				0-0.5	0.5-1	1.5-2	2.5-3	3.5-4	0	5	10	15	20
Sample Depth (ft bgs):	Direct Contact	Direct Contact	Soil Screening (11/13)	7.2-7.7	6.7-7.2	5.7-6.2	4.7-5.2	3.7-4.2	10.7	5.7	0.7	-4.3	-9.3
Sample Elevation (ft msl):				Soil (NJAC)	Soil (NJAC)	460-52992-1	460-52992-2	460-52992-3	460-52992-4	460-52992-5	063_F010_0.0	063_F010_5.0	F010_10.0
Sample ID:	7:26D 5/12)	7:26D 5/12)		03/25/2013	03/25/2013	03/25/2013	03/25/2013	03/25/2013	12/17/2012	12/17/2012	12/17/2012	12/17/2012	12/17/2012
Date:				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Matrix:													
Antimony (mg/kg)	450	31	6	1.8	1.7	0.41 U	0.83	0.76	3.3	0.46 U	0.42 U	0.4 U	0.41 U
Chromium (mg/kg)	120,000	N/A	N/A	290	304	18.6	163	220	154	15.1	24.7	14.1	16.8
Nickel (mg/kg)	23,000	1,600	205**	71.5	91.3	11.1	35.6	41.6	65.2	12.5	14.4	9.2	10
Thallium (mg/kg)	79	5	3	0.22 U	0.23 U	0.19 U	0.20 U	0.20 U	0.2 U	0.22 U	0.2 U	0.19 U	0.2 U
Vanadium (mg/kg)	1,100	390	N/A	50.2	46.3	11.8	31.3	37.8	44	21.6	28.7	21	27.7
Hexavalent Chromium (mg/kg)	20	N/A	N/A	0.64 U	0.65 U	0.57 U	0.60 U	0.60 U	1.6 J	1.1 J	0.86 U	0.83 U	0.85 U

U = NON DETECT

J = ESTIMATED

IGW SSL = DEFAULT IMPACT TO
GROUNDWATER SOIL SCREENING
LEVEL

FT MSL = FEET MEAN SEA LEVEL

FT BGS = FEET BELOW GROUND
SURFACE

MG/KG= MILLIGRAM PER KILOGRAM

N/A= NOT AVAILABLE

* METAL EXCEEDANCE AT THIS
LOCATION ARE NOT INDICATIVE OF
CCPW RELATED CONTAMINATION

** SITE SPECIFIC - IGW SSL

FOR 063_F010, 063_Z002, 063_Z005,
MW-9 AND MW-12
DEPTHS/ELEVATIONS PRESENTED IN
THIS TABLE REPRESENT THE TOP OF
THE SAMPLE INTERVAL OF 0.5-FT.

Result exceeded criteria

Table 2F
Historical Soil Samples
Remedial Investigation (2012-2013)
Laboratory Analytical Data for Remaining Soil Remedial Investigation Report
PPG Site 63
1 Burma Road
Jersey City, New Jersey

Sample Location:	NJ Non-Residential	NJ Residential	NJ Default Impact to Groundwater	063_F010a					063_Z002				
				0-0.5	0.5-1	1.5-2	2.5-3	3.5-4	8.5	12	12	12	16.5
Sample Depth (ft bgs):	Direct Contact	Direct Contact	Soil Screening (11/13)	10.2-10.7	9.7-10.2	8.7-9.2	7.7-8.2	6.7-7.2	-0.1	-3.6	-3.6	-3.6	-8.1
Sample Elevation (ft msl):				Soil (NJAC 7:26D 5/12)	Soil (NJAC 7:26D 5/12)	460-53059-1	460-53059-2	460-53059-3	460-53059-4	460-53059-5	063_Z002_8.5	063_Z002_12.0	063_Z002_12.0
Sample ID:	7:26D 5/12)	7:26D 5/12)	Soil	03/25/2013	03/25/2013	03/25/2013	03/25/2013	03/25/2013	12/19/2012	12/19/2012	12/19/2012	12/19/2012	12/19/2012
Date:				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Matrix:													
Antimony (mg/kg)	450	31	6	0.54	0.41	0.41	0.88	3.0	0.4 UJ	0.38 UJ	0.38 U	0.38 UJ	0.42 U
Chromium (mg/kg)	120,000	N/A	N/A	34.1	29.0	29.3	163	41.2	15.2	14.5	15.45	16.4	15.5
Nickel (mg/kg)	23,000	1,600	205**	18.5	13.6	22.2	46.6	30.7	13.8	9.5	9.45	9.4	11.1 J
Thallium (mg/kg)	79	5	3	0.27	0.21	0.23	0.23	0.52	0.19 U	0.18 U	0.18 U	0.18 U	0.2 U
Vanadium (mg/kg)	1,100	390	N/A	44.0	32.4	38.4	45.2	49.4	22	18.7	17.9	17.1	23 J
Hexavalent Chromium (mg/kg)	20	N/A	N/A	0.69 U	0.58 U	0.56 U	0.67 U	0.63 U	0.87 U	0.85 U	0.83 U	0.81 U	0.83 U

U = NON DETECT

J = ESTIMATED

IGW SSL = DEFAULT IMPACT TO
GROUNDWATER SOIL SCREENING
LEVEL

FT MSL = FEET MEAN SEA LEVEL

FT BGS = FEET BELOW GROUND
SURFACE

MG/KG= MILLIGRAM PER KILOGRAM

N/A= NOT AVAILABLE

* METAL EXCEEDANCE AT THIS
LOCATION ARE NOT INDICATIVE OF
CCPW RELATED CONTAMINATION

** SITE SPECIFIC - IGW SSL

FOR 063_F010, 063_Z002, 063_Z005,
MW-9 AND MW-12
DEPTHS/ELEVATIONS PRESENTED IN
THIS TABLE REPRESENT THE TOP OF
THE SAMPLE INTERVAL OF 0.5-FT.

Result exceeded criteria

Table 2F
Historical Soil Samples
Remedial Investigation (2012-2013)
Laboratory Analytical Data for Remaining Soil Remedial Investigation Report
PPG Site 63
1 Burma Road
Jersey City, New Jersey

Sample Location:	NJ	NJ	NJ Default	063_Z005				MW-9		MW-12		
Sample Depth (ft bgs):	Non-Residential Direct Contact Soil (NJAC 7:26D 5/12)	Residential Direct Contact Soil (NJAC 7:26D 5/12)	Impact to Groundwater Soil Screening (11/13)	5	10	15	20	3.5-4	6.5-7	0.5-1	3.5-4	7.5-8
Sample Elevation (ft msl):				2.5	-2.5	-7.5	-12.5	6.4-6.9	3.4-3.9	8.8-9.3	5.8-6.3	1.8-2.3
Sample ID:				063_Z005_5.0	063_Z005_10.0	063_Z005_15.0	063_Z005_20.0	460-52992-13	460-53059-11	460-52992-15	460-52992-16	460-53059-13
Date:				12/21/2012	12/21/2012	12/21/2012	12/21/2012	03/25/2013	03/26/2013	03/25/2013	03/25/2013	03/26/2013
Matrix:				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Antimony (mg/kg)	450	31	6	1.9 J	0.66 UJ	0.4 UJ	0.44 UJ	0.47 U	0.43 U	0.46 U	0.52 U	0.44 U
Chromium (mg/kg)	120,000	N/A	N/A	860	245	21.8	11.6	678	24.4	941	44.6	54.1
Nickel (mg/kg)	23,000	1,600	205**	9.9	26.2	10	9.5	13.7	16.5	27.2	14.5	24.7
Thallium (mg/kg)	79	5	3	0.2 U	0.31 U	0.19 U	0.21 U	0.22 U	0.22 J	0.22 U	0.25 U	0.30
Vanadium (mg/kg)	1,100	390	N/A	20.6 J	25.8 J	19.7 J	16.2 J	30.5	38.5	44.6	22.3	62.3
Hexavalent Chromium (mg/kg)	20	N/A	N/A	0.95 U	1.4 U	0.81 U	0.85 U	0.61 U	0.58 U	0.64 U	0.71 U	0.60 U

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GROUNDWATER SOIL SCREENING
LEVEL

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SURFACE

MG/KG= MILLIGRAM PER KILOGRAM

N/A= NOT AVAILABLE

* METAL EXCEEDANCE AT THIS
LOCATION ARE NOT INDICATIVE OF
CCPW RELATED CONTAMINATION

** SITE SPECIFIC - IGW SSL

FOR 063_F010, 063_Z002, 063_Z005,
MW-9 AND MW-12
DEPTHS/ELEVATIONS PRESENTED IN
THIS TABLE REPRESENT THE TOP OF
THE SAMPLE INTERVAL OF 0.5-FT.

Result exceeded criteria

Table 2G
Historical Soil Samples
Remedial Investigation (2011-2012)
Laboratory Analytical Data for Remaining Soil
PPG Site 63 Remedial Investigation Report
1 Burma Road,
Jersey City, New Jersey
Sampled by TetraTech

SAMPLE LOCATION	NJ Non-Residential	NJ Residential	NJ Default Impact to	063 B003a					063 B004		063 B004a		
				063_B003a_5.0	063_B003a_5.0-D	063_B003a_6.9	063_B003a_11.0	063_B003a_15.0	063_B004_10.0	063_B004_15.0	063_B004a_8.1	063_B004a_12.0	063_B004a_16.0
LABORATORY ID				460-29144-15	460-29144-16	460-29144-17	460-29144-18	460-29144-19	460-29057-3	460-29057-4	460-29144-6	460-29144-7	460-29144-8
TOP OF SAMPLE (ft bgs)	Direct Contact	Direct Contact	Groundwater	5	5	6.9	11	15	10	15	8.1	12	16
TOP OF SAMPLE ELEV. (ft msl)	Soil (NJAC	Soil (NJAC	Soil Screening	3.4	3.4	1.5	-2.6	-6.6	-1.4	-6.4	0.4	-3.5	-7.5
SAMPLE_DATE	7:26D 5/12)	7:26D 5/12)	(11/13)	7/22/2011	7/22/2011	7/22/2011	7/22/2011	7/22/2011	7/21/2011	7/21/2011	7/22/2011	7/22/2011	7/22/2011
ABOVE/BELOW GW TABLE				BELOW	BELOW	BELOW	BELOW	BELOW	BELOW	BELOW	BELOW	BELOW	BELOW
MATRIX				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Metals (mg/kg)													
ANTIMONY	450	31	6	0.96 UJ	0.92 UJ	0.98 UJ	1.2 UJ	0.96 UJ	2.2 UJ	0.95 UJ	0.99 UJ	1.1 UJ	0.93 UJ
CHROMIUM	120,000	N/A	N/A	36.7	32.1	14.9	17.7	26.3	207	15.1	12.9	16.3	14.9
NICKEL	23,000	1,600	205**	17.1	16.3	12.6	4.3 J	13.5	20 J	11.5	10.4	5.5 J	12.3
THALLIUM	79	5	3	1.1 U	1 U	1.1 U	1.3 U	1.1 U	2.5 U	1 U	1.1 U	1.2 U	1 U
VANADIUM	1,100	390	N/A	37.8	31.6	23.6	42.4	24.9	30.7	22.6	17.7	46.3	19.3
Miscellaneous Parameters (mg/kg)													
HEXAVALENT CHROMIUM	20	N/A	N/A	0.57 U	0.55 U	0.58 U	0.72 U	0.54 U	1.3 U	0.54 U	7.1	0.6 U	0.56 U
Miscellaneous Parameters (mv)													
OXIDATION REDUCTION POTENTIAL	N/A	N/A	N/A	405	412	410	427	478	346	375	392	334	372
Miscellaneous Parameters (s.u.)													
PH	N/A	N/A	N/A	8.14	8.02	7.85	7.31	7.96	7.55	8.01	8.43	7.58	8.1

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 ft bgs = FEET BELOW GROUND SURFACE
 mg/kg = MILLIGRAMS PER KILOGRAM
 mv = millivolts
 s.u. = standard units
 N/A = Not Applicable

 ** SITE SPECIFIC IGW SSL = DEFAULT IMPACT TO GROUNDWATER SOIL SCREENING LEVEL
 *** COMPLIANCE AVERAGED BELOW STANDARD
 ^ SAMPLE IS BELOW WATER TABLE THEREFORE NJDEP IGWSSL DOES NOT APPLY
EXCEEDS MINIMUM STANDARD/SCREENING CRITERIA
 NON-DETECTION EXCEEDS MINIMUM STANDARD/SCREENING CRITERIA

Table 2G
Historical Soil Samples
Remedial Investigation (2011-2012)
Laboratory Analytical Data for Remaining Soil
PPG Site 63 Remedial Investigation Report
1 Burma Road,
Jersey City, New Jersey
Sampled by TetraTech

SAMPLE LOCATION	NJ Non-Residential	NJ Residential	NJ Default Impact to	063 B005			063 B006		063 B007			
				063_B005_11.4 460-28939-9	063_B005_15.5 460-28939-10	063_B005_20.0 460-28939-11	063_B006_10.0 460-28862-5	063_B006_12.2 460-28862-6	063_B007_7.1 460-28939-3	063_B007_11.1 460-28939-4	063_B007_15.0 460-28939-5	063_B007_15.0-D 460-28939-6
TOP OF SAMPLE (ft bgs)	Direct Contact	Direct Contact	Groundwater	11.4	15.5	20	10	12.2	7.1	11.1	15	15
TOP OF SAMPLE ELEV. (ft msl)	Soil (NJAC 7:26D 5/12)	Soil (NJAC 7:26D 5/12)	Soil Screening (11/13)	-3.8	-7.9	-12.4	-2.9	-5.1	0.4	-3.6	-7.5	-7.5
SAMPLE_DATE				7/19/2011	7/19/2011	7/19/2011	7/15/2011	7/15/2011	7/19/2011	7/19/2011	7/19/2011	7/19/2011
ABOVE/BELOW GW TABLE				BELOW	BELOW	BELOW	BELOW	BELOW	BELOW	BELOW	BELOW	BELOW
MATRIX				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Metals (mg/kg)												
ANTIMONY	450	31	6	0.93 UJ	0.97 UJ	0.94 UJ	2.6 UJ	1.1 UJ	0.9 UJ	3.3 UJ	0.95 UJ	0.97 UJ
CHROMIUM	120,000	N/A	N/A	29.3	14.4	33.1	932 J	13.1 J	11.8	14.2	14	16.7
NICKEL	23,000	1,600	205**	13.2	6.2 J	12.5	20.6 J	8.4 J	11.4	13.3 J	6.2 J	6.6 J
THALLIUM	79	5	3	1 U	1.1 U	1 U	2.8 U	1.3 U	0.99 U	3.6 U	1 U	1.1 U
VANADIUM	1,100	390	N/A	25	15.5	23.1	20.6 J	22.6	15.6	18 J	15.3	17.1
Miscellaneous Parameters (mg/kg)												
HEXAVALENT CHROMIUM	20	N/A	N/A	0.54 UJ	0.55 UJ	0.54 UJ	1.5 UJ	0.64 UJ	0.55 UJ	1.9 UJ	0.57 UJ	0.57 UJ
Miscellaneous Parameters (mv)												
OXIDATION REDUCTION POTENTIAL	N/A	N/A	N/A	338	450	448	384	513	445	391	388	394
Miscellaneous Parameters (s.u.)												
PH	N/A	N/A	N/A	9.03	8.36	8.57	8.09	8.01	8.78	7.61	8.79	8.64

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 ** SITE SPECIFIC IGW SSL = DEFAULT IMPACT TO GROUNDWATER SOIL SCREENING LEVEL
 *** COMPLIANCE AVERAGED BELOW STANDARD
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Table 2G
Historical Soil Samples
Remedial Investigation (2011-2012)
Laboratory Analytical Data for Remaining Soil
PPG Site 63 Remedial Investigation Report
1 Burma Road,
Jersey City, New Jersey
Sampled by TetraTech

SAMPLE LOCATION	NJ Non-Residential	NJ Residential	NJ Default Impact to	063_B008				063_B009		063_B010		
				063_B008_6.5	063_B008_10.0	063_B008_12.8	063_B008_16.5	063_B009_9.3	063_B009_13.0	063_B010_7.3	063_B010_11.0	063_B010_15.0
LABORATORY ID				460-29032-13	460-29032-14	460-29032-15	460-29032-16	460-28645-9	460-28645-10	460-29336-5	460-29336-6	460-29336-7
TOP OF SAMPLE (ft bgs)	Direct Contact	Direct Contact	Groundwater	6.5	10	12.8	16.5	9.3	13	7.3	11	15
TOP OF SAMPLE ELEV. (ft msl)	Soil (NJAC	Soil (NJAC	Soil Screening	1.7	-1.8	-4.6	-8.3	-1	-4.7	1.1	-2.6	-6.6
SAMPLE_DATE	7:26D 5/12)	7:26D 5/12)	(11/13)	7/20/2011	7/20/2011	7/20/2011	7/20/2011	7/11/2011	7/11/2011	7/28/2011	7/28/2011	7/28/2011
ABOVE/BELOW GW TABLE				BELOW	BELOW	BELOW	BELOW	BELOW	BELOW	BELOW	BELOW	BELOW
MATRIX				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Metals (mg/kg)												
ANTIMONY	450	31	6	0.95 UJ	0.96 UJ	0.97 UJ	0.95 UJ	0.67 UJ	0.65 UJ	0.91 UJ	2.9 UJ	0.9 UJ
CHROMIUM	120,000	N/A	N/A	15.9	27.2	21	34.7	22.3	27.8	13.5	13	41.8
NICKEL	23,000	1,600	205**	13.3	20.2	14.2	19.9	16.9	15.9	11.1	13.7 J	12.1
THALLIUM	79	5	3	1 U	1.1 U	1.1 U	1 U	0.37 U	0.36 U	1 U	3.2 U	0.99 U
VANADIUM	1,100	390	N/A	20.8	27.1	24.1	48.2	33 J	43.1 J	28.2	19.8 J	44.2
Miscellaneous Parameters (mg/kg)												
HEXAVALENT CHROMIUM	20	N/A	N/A	0.55 U	0.54 U	0.56 U	0.52 U	0.6 UJ	0.57 UJ	0.54 U	1.6 U	0.55 U
Miscellaneous Parameters (mv)												
OXIDATION REDUCTION POTENTIAL	N/A	N/A	N/A	347	369	395	399	433	472	346	382	379
Miscellaneous Parameters (s.u.)												
PH	N/A	N/A	N/A	9.27	8.69	7.99	8.22	8.82	8.27	9.4	7.54	8.35

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 ** SITE SPECIFIC IGW SSL = DEFAULT IMPACT TO GROUNDWATER SOIL SCREENING LEVEL
 *** COMPLIANCE AVERAGED BELOW STANDARD
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Table 2G
Historical Soil Samples
Remedial Investigation (2011-2012)
Laboratory Analytical Data for Remaining Soil
PPG Site 63 Remedial Investigation Report
1 Burma Road,
Jersey City, New Jersey
Sampled by TetraTech

SAMPLE LOCATION	NJ Non-Residential	NJ Residential	NJ Default Impact to	063_B010a					063_B011			
				063_B010a_5.0	063_B010a_7.5	063_B010a_11.5	063_B010a_15.0	063_B010a_15.0-D	063_B011_5.0	063_B011_10.0	063_B011_15.0	063_B011_18.0
LABORATORY ID				460-29302-15	460-29302-16	460-29302-17	460-29302-18	460-29302-19	460-29355-14	460-29355-15	460-29355-16	460-29355-17
TOP OF SAMPLE (ft bgs)	Direct Contact	Direct Contact	Groundwater	5	7.5	11.5	15	15	5	10	15	18
TOP OF SAMPLE ELEV. (ft msl)	Soil (NJAC	Soil (NJAC	Soil Screening	3.3	0.8	-3.2	-6.7	-6.7	2.7	-2.3	-7.3	-10.3
SAMPLE_DATE	7:26D 5/12)	7:26D 5/12)	(11/13)	7/27/2011	7/27/2011	7/27/2011	7/27/2011	7/27/2011	7/28/2011	7/28/2011	7/28/2011	7/28/2011
ABOVE/BELOW GW TABLE				BELOW	BELOW	BELOW	BELOW	BELOW	BELOW	BELOW	BELOW	BELOW
MATRIX				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Metals (mg/kg)												
ANTIMONY	450	31	6	0.97 UJ	1 UJ	1.1 UJ	0.88 UJ	0.9 UJ	1 UJ	1.4 UJ	0.97 UJ	1 UJ
CHROMIUM	120,000	N/A	N/A	28.9 J	12.5 J	21.5	38.9	33.9	74.1 J	32.1 J	21.6 J	25.1 J
NICKEL	23,000	1,600	205**	10.2	11.9	12.8	16.7	17.3	14.1	24.4	13.2	13.7
THALLIUM	79	5	3	1.1 U	1.1 U	1.2 U	0.97 U	0.99 U	1.1 U	1.5 U	1.1 U	1.1 U
VANADIUM	1,100	390	N/A	16.9	15.2	29.7	36.5	39.5	27.6	29	28.9	34.4
Miscellaneous Parameters (mg/kg)												
HEXAVALENT CHROMIUM	20	N/A	N/A	0.6 U	0.64 U	0.66 U	0.54 U	0.55 U	0.57 U	0.82 U	0.58 U	0.56 U
Miscellaneous Parameters (mv)												
OXIDATION REDUCTION POTENTIAL	N/A	N/A	N/A	434	433	438	412	423	417	420	427	407
Miscellaneous Parameters (s.u.)												
PH	N/A	N/A	N/A	8.4	7.66	7.47	9.18	8.87	8.4	8.04	7.59	8.99

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 ** SITE SPECIFIC IGW SSL = DEFAULT IMPACT TO GROUNDWATER SOIL SCREENING LEVEL
 *** COMPLIANCE AVERAGED BELOW STANDARD
 ^ SAMPLE IS BELOW WATER TABLE THEREFORE NJDEP IGWSSL DOES NOT APPLY
 EXCEEDS MINIMUM STANDARD/SCREENING CRITERIA
 NON-DETECTION EXCEEDS MINIMUM STANDARD/SCREENING CRITERIA

Table 2G
Historical Soil Samples
Remedial Investigation (2011-2012)
Laboratory Analytical Data for Remaining Soil
PPG Site 63 Remedial Investigation Report
1 Burma Road,
Jersey City, New Jersey
Sampled by TetraTech

SAMPLE LOCATION	NJ Non-Residential	NJ Residential	NJ Default Impact to	063_B012/MW3				063_B013		
				063_B012_5.0	063_B012_10.5	063_B012_15.0	063_B012_17.0	063_B013_5.0	063_B013_10.0	063_B013_15.0
LABORATORY ID				460-28645-2	460-28645-3	460-28645-4	460-28645-5	460-29336-22	460-29336-23	460-29336-24
TOP OF SAMPLE (ft bgs)	Direct Contact	Direct Contact	Groundwater	5	10.5	15	17	5	10	15
TOP OF SAMPLE ELEV. (ft msl)	Soil (NJAC	Soil (NJAC	Soil Screening	2.2	-3.3	-7.8	-9.8	3.9	-1.1	-6.1
SAMPLE_DATE	7:26D 5/12)	7:26D 5/12)	(11/13)	7/11/2011	7/11/2011	7/11/2011	7/11/2011	7/28/2011	7/28/2011	7/28/2011
ABOVE/BELOW GW TABLE				BELOW	BELOW	BELOW	BELOW	BELOW	BELOW	BELOW
MATRIX				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Metals (mg/kg)										
ANTIMONY	450	31	6	0.58 UJ	0.6 UJ	0.66 UJ	0.63 UJ	0.98 UJ	2.2 J	2.7 UJ
CHROMIUM	120,000	N/A	N/A	14.7	18.1	12.7	17.4	155	9.6	22.4
NICKEL	23,000	1,600	205**	13.1	16.3	7.7	12.6	16.6	10 J	12 J
THALLIUM	79	5	3	0.32 U	0.33 U	0.37 U	0.35 U	1.1 U	1.2 U	3 U
VANADIUM	1,100	390	N/A	23.2 J	24.8 J	21.3 J	33 J	30.3	10.8 J	24.5 J
Miscellaneous Parameters (mg/kg)										
HEXAVALENT CHROMIUM	20	N/A	N/A	0.55 UJ	0.56 UJ	0.58 UJ	0.55 UJ	0.56 UJ	0.64 UJ	1.6 UJ
Miscellaneous Parameters (mv)										
OXIDATION REDUCTION POTENTIAL	N/A	N/A	N/A	455	455	435	429	439	413	399
Miscellaneous Parameters (s.u.)										
PH	N/A	N/A	N/A	8.2	8.13	7.47	8.16	8.12	8.16	7.84

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 ** SITE SPECIFIC IGW SSL = DEFAULT IMPACT
 TO GROUNDWATER SOIL SCREENING LEVEL
 *** COMPLIANCE AVERAGED BELOW
 STANDARD
 ^ SAMPLE IS BELOW WATER TABLE
 THEREFORE NJDEP IGWSSL DOES NOT
 APPLY
 EXCEEDS MINIMUM STANDARD/SCREENING
 CRITERIA
 NON-DETECTION EXCEEDS MINIMUM
 STANDARD/SCREENING CRITERIA

Table 2G
Historical Soil Samples
Remedial Investigation (2011-2012)
Laboratory Analytical Data for Remaining Soil
PPG Site 63 Remedial Investigation Report
1 Burma Road,
Jersey City, New Jersey
Sampled by TetraTech

SAMPLE LOCATION	NJ Non-Residential	NJ Residential	NJ Default Impact to	063 B014				063 B015/MW4						
				063_B014_7.0	063_B014_11.2	063_B014_15.0	063_B014_20.0	063_B015_0.0	063_B015_4.0	063_B015_7.3	063_B015_10.5	063_B015_10.5-D	063_B015_15.0	063_B015_17.3
LABORATORY ID				460-29195-20	460-29195-21	460-29195-22	460-29195-23	460-28783-1	460-28783-2	460-28783-3	460-28783-4	460-28783-5	460-28783-6	460-28783-7
TOP OF SAMPLE (ft bgs)	Direct Contact	Direct Contact	Groundwater	7	11.2	15	20	0	4	7.3	10.5	10.5	15	17.3
TOP OF SAMPLE ELEV. (ft msl)	Soil (NJAC	Soil (NJAC	Soil Screening	1.5	-2.7	-6.5	-11.5	7	3	-0.3	-3.5	-3.5	-8	-10.3
SAMPLE_DATE	7:26D 5/12)	7:26D 5/12)	(11/13)	7/25/2011	7/25/2011	7/25/2011	7/25/2011	7/14/2011	7/14/2011	7/14/2011	7/14/2011	7/14/2011	7/14/2011	7/14/2011
ABOVE/BELOW GW TABLE				BELOW	BELOW	BELOW	BELOW	ABOVE	BELOW	BELOW	BELOW	BELOW	BELOW	BELOW
MATRIX				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Metals (mg/kg)														
ANTIMONY	450	31	6	1 UJ	2.1 J	2.2 UJ	0.9 UJ	0.91 UJ	0.95 UJ	1.1 UJ	8.7 J	4.8 J	2.5 UJ	1 UJ
CHROMIUM	120,000	N/A	N/A	16	14.1	26.3	20.1	51.4 J	15.1 J	13.4 J	45.2 J	26.4 J	208 J	8.1 J
NICKEL	23,000	1,600	205**	18	12.6	15.7 J	11.4	24.9	14.6	16.3	18.6	17.5	16.1 J	5.6 J
THALLIUM	79	5	3	1.1 U	1.4 U	2.4 U	0.99 U	1 U	1 U	1.2 U	1.5 U	1.5 U	2.8 U	1.1 U
VANADIUM	1,100	390	N/A	12.3	19.3	25.3	23.4	50.9	22.7	15.5	15 J	13.5 J	24.5 J	12.7
Miscellaneous Parameters (mg/kg)														
HEXAVALENT CHROMIUM	20	N/A	N/A	0.66 J	0.74 UJ	1.3 UJ	0.54 UJ	0.52 J	0.55 U	0.67 U	0.75 U	0.82 J	1.5 U	0.62 U
Miscellaneous Parameters (mv)														
OXIDATION REDUCTION POTENTIAL	N/A	N/A	N/A	375	322	338	430	402	480	391	376	366	382	384
Miscellaneous Parameters (s.u.)														
PH	N/A	N/A	N/A	8.19	7.69	7.55	5.03	7.91	7.91	7.81	7.65	7.66	7.25	7.96

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 ** SITE SPECIFIC IGW SSL = DEFAULT IMPACT TO GROUNDWATER SOIL SCREENING LEVEL
 *** COMPLIANCE AVERAGED BELOW STANDARD
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 EXCEEDS MINIMUM STANDARD/SCREENING CRITERIA
 NON-DETECTION EXCEEDS MINIMUM STANDARD/SCREENING CRITERIA

Table 2G
Historical Soil Samples
Remedial Investigation (2011-2012)
Laboratory Analytical Data for Remaining Soil
PPG Site 63 Remedial Investigation Report
1 Burma Road,
Jersey City, New Jersey
Sampled by TetraTech

SAMPLE LOCATION	NJ Non-Residential	NJ Residential	NJ Default Impact to	063_C003				063_C004		
				063_C003_5.0	063_C003_5.0-D	063_C003_6.7	063_C003_10.5	063_C004_10.0	063_C004_10.0-D	063_C004_15.0
LABORATORY ID				460-29057-6	460-29057-7	460-29057-8	460-29057-9	460-29057-15	460-29057-16	460-29057-17
TOP OF SAMPLE (ft bgs)	Direct Contact	Direct Contact	Groundwater	5	5	6.7	10.5	10	10	15
TOP OF SAMPLE ELEV. (ft msl)	Soil (NJAC	Soil (NJAC	Soil Screening	3.4	3.4	1.7	-2.1	-1.5	-1.5	-6.5
SAMPLE_DATE	7:26D 5/12)	7:26D 5/12)	(11/13)	7/21/2011	7/21/2011	7/21/2011	7/21/2011	7/21/2011	7/21/2011	7/21/2011
ABOVE/BELOW GW TABLE				BELOW	BELOW	BELOW	BELOW	BELOW	BELOW	BELOW
MATRIX				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Metals (mg/kg)										
ANTIMONY	450	31	6	1.1 UJ	1 UJ	1.1 UJ	1.9 J	1.6 UJ	1.5 UJ	0.92 UJ
CHROMIUM	120,000	N/A	N/A	45.4 J	26.5 J	11.9 J	66.5 J	33.3	22.9	19.3
NICKEL	23,000	1,600	205**	11.8	11.4	10.5	11.1	7.9 J	8 J	10.9
THALLIUM	79	5	3	1.2 U	1.1 U	1.2 U	1.1 U	1.8 U	1.7 U	1 U
VANADIUM	1,100	390	N/A	19.3	18.3	17.7	50.5	30.6	35.5	19.7
Miscellaneous Parameters (mg/kg)										
HEXAVALENT CHROMIUM	20	N/A	N/A	0.6 U	0.6 U	0.61 U	0.61 U	0.94 U	0.91 U	0.55 U
Miscellaneous Parameters (mv)										
OXIDATION REDUCTION POTENTIAL	N/A	N/A	N/A	367	365	368	487	391	393	398
Miscellaneous Parameters (s.u.)										
PH	N/A	N/A	N/A	7.92	7.88	7.6	7.83	7.47	7.41	7.94

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Table 2G
Historical Soil Samples
Remedial Investigation (2011-2012)
Laboratory Analytical Data for Remaining Soil
PPG Site 63 Remedial Investigation Report
1 Burma Road,
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SAMPLE LOCATION	NJ Non-Residential	NJ Residential	NJ Default Impact to	063_C004a			063_C005			063_C006		
				063_C004a_6.7 460-29144-21	063_C004a_11.0 460-29144-11	063_C004a_15.0 460-29144-22	063_C005_7.5 460-28742-9	063_C005_11.5 460-28742-10	063_C005_15.5 460-28742-11	063_C006_7.5 460-28742-16	063_C006_11.5 460-28742-17	063_C006_15.5 460-28742-18
LABORATORY ID												
TOP OF SAMPLE (ft bgs)	Direct Contact	Direct Contact	Groundwater	6.7	11	15	7.5	11.5	15.5	7.5	11.5	15.5
TOP OF SAMPLE ELEV. (ft msl)	Soil (NJAC	Soil (NJAC	Soil Screening	1.8	-2.5	-6.5	-0.1	-4.1	-8.1	0.4	-3.6	-7.6
SAMPLE_DATE	7:26D 5/12)	7:26D 5/12)	(11/13)	7/22/2011	7/22/2011	7/22/2011	7/13/2011	7/13/2011	7/13/2011	7/13/2011	7/13/2011	7/13/2011
ABOVE/BELOW GW TABLE				BELOW	BELOW	BELOW	BELOW	BELOW	BELOW	BELOW	BELOW	BELOW
MATRIX				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Metals (mg/kg)												
ANTIMONY	450	31	6	1.1 UJ	0.92 UJ	0.89 UJ	0.93 UJ	0.93 UJ	2.4 UJ	0.99 UJ	0.96 UJ	0.95 UJ
CHROMIUM	120,000	N/A	N/A	9.8	18.8	50.8	479 J	14.9 J	2470 J	17.3 J	12.1 J	12.3 J
NICKEL	23,000	1,600	205**	9.8	13.1	16.2	12.9 J	8.9 J	15.3 J	14.3	6.1 J	12.2
THALLIUM	79	5	3	1.2 U	1 U	0.98 U	1 U	1 U	2.7 U	1.1 U	1.1 U	1 U
VANADIUM	1,100	390	N/A	15.3	20.2	22.3	19	24.2	29.9	19.6	16.7	15.2
Miscellaneous Parameters (mg/kg)												
HEXAVALENT CHROMIUM	20	N/A	N/A	0.61 U	0.55 U	0.53 U	1.4 J	0.56 U	0.56 U	0.6 U	0.55 U	0.54 U
Miscellaneous Parameters (mv)												
OXIDATION REDUCTION POTENTIAL	N/A	N/A	N/A	465	501	396	265	460	457	323	358	364
Miscellaneous Parameters (s.u.)												
PH	N/A	N/A	N/A	8.38	8.28	7.58	9.79	8.26	8.17	8.96	8.11	8.27

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Table 2G
Historical Soil Samples
Remedial Investigation (2011-2012)
Laboratory Analytical Data for Remaining Soil
PPG Site 63 Remedial Investigation Report
1 Burma Road,
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SAMPLE LOCATION	NJ Non-Residential	NJ Residential	NJ Default Impact to	063_C007			063_C008			063_C009			
				063_C007_8.0	063_C007_12.0	063_C007_16.0	063_C008_5.0	063_C008_6.7	063_C008_11.0	063_C008_15.0	063_C009_5.0	063_C009_6.5	063_C009_14.0
LABORATORY ID				460-28742-22	460-28742-23	460-28742-24	460-29032-6	460-29032-7	460-29032-8	460-29032-9	460-29032-2	460-29032-3	460-29032-4
TOP OF SAMPLE (ft bgs)	Direct Contact	Direct Contact	Groundwater	8	12	16	5	6.7	11	15	5	6.5	14
TOP OF SAMPLE ELEV. (ft msl)	Soil (NJAC	Soil (NJAC	Soil Screening	-0.1	-4.1	-8.1	3.1	1.4	-2.9	-6.9	3.5	2	-5.5
SAMPLE_DATE	7:26D 5/12)	7:26D 5/12)	(11/13)	7/13/2011	7/13/2011	7/13/2011	7/20/2011	7/20/2011	7/20/2011	7/20/2011	7/20/2011	7/20/2011	7/20/2011
ABOVE/BELOW GW TABLE				BELOW	BELOW	BELOW	BELOW	BELOW	BELOW	BELOW	BELOW	BELOW	BELOW
MATRIX				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Metals (mg/kg)													
ANTIMONY	450	31	6	1.1 UJ	0.98 UJ	1 UJ	0.98 UJ	1 UJ	1 UJ	0.9 UJ	1 UJ	1 UJ	2.3 UJ
CHROMIUM	120,000	N/A	N/A	12.9 J	19.6 J	13.4 J	19.9	16	17.8	35	70.1	14.5	29.8
NICKEL	23,000	1,600	205**	13.4	14.2	12.8	12	13.3	11	16.6	9.6	11.7	10.6 J
THALLIUM	79	5	3	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.99 U	1.1 U	1.1 U	2.5 U
VANADIUM	1,100	390	N/A	16.5	21.5	19.7	17.6	21.7	22.6	37.7	18.5	21.4	21.5 J
Miscellaneous Parameters (mg/kg)													
HEXAVALENT CHROMIUM	20	N/A	N/A	0.61 U	0.55 U	0.56 U	0.6 U	0.61 U	0.57 U	0.52 U	0.59 U	0.59 U	0.54 U
Miscellaneous Parameters (mv)													
OXIDATION REDUCTION POTENTIAL	N/A	N/A	N/A	375	391	414	361	374	400	488	433	449	292
Miscellaneous Parameters (s.u.)													
PH	N/A	N/A	N/A	8.2	8.44	7.87	9.05	8.02	7.82	8.42	9.13	8.29	7.14

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Table 2G
Historical Soil Samples
Remedial Investigation (2011-2012)
Laboratory Analytical Data for Remaining Soil
PPG Site 63 Remedial Investigation Report
1 Burma Road,
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SAMPLE LOCATION	NJ Non-Residential	NJ Residential	NJ Default Impact to	063_C009a		063_C010			063_C011			
				063_C009a_10.0	063_C009a_15.0	063_C010_6.4	063_C010_10.5	063_C010_15.0	063_C011_5.0	063_C011_6.7	063_C011_10.5	063_C011_15.0
LABORATORY ID				460-29302-28	460-29302-29	460-29302-23	460-29302-24	460-29302-25	460-29195-12	460-29195-13	460-29195-14	460-29195-15
TOP OF SAMPLE (ft bgs)	Direct Contact	Direct Contact	Groundwater	10	15	6.4	10.5	15	5	6.7	10.5	15
TOP OF SAMPLE ELEV. (ft msl)	Soil (NJAC	Soil (NJAC	Soil Screening	-2.1	-7.1	1.7	-2.4	-6.9	2.7	1	-2.8	-7.3
SAMPLE_DATE	7:26D 5/12)	7:26D 5/12)	(11/13)	7/27/2011	7/27/2011	7/27/2011	7/27/2011	7/27/2011	7/25/2011	7/25/2011	7/25/2011	7/25/2011
ABOVE/BELOW GW TABLE				BELOW	BELOW	BELOW	BELOW	BELOW	BELOW	BELOW	BELOW	BELOW
MATRIX				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Metals (mg/kg)												
ANTIMONY	450	31	6	0.91 UJ	6.6 J^	1 UJ	0.99 UJ	0.94 UJ	0.98 UJ	1.1 UJ	1.1 UJ	1 UJ
CHROMIUM	120,000	N/A	N/A	49.6	3570	14.4	39.6	31.5	24.5	11.8	21.9	40.4
NICKEL	23,000	1,600	205**	10.7	15.8	13.7	20.1	13.4	12.3	11.9	12.3	20.4
THALLIUM	79	5	3	1 U	1 U	1.1 U	1.1 U	1 U	1.1 U	1.2 U	1.2 U	1.1 U
VANADIUM	1,100	390	N/A	23.7	87.6	17.8	48	34.7	19	15.5	26.4	47.2
Miscellaneous Parameters (mg/kg)												
HEXAVALENT CHROMIUM	20	N/A	N/A	1.1 J	8.1	0.59 U	0.56 U	0.55 U	0.56 UJ	0.6 UJ	0.62 UJ	0.58 UJ
Miscellaneous Parameters (mv)												
OXIDATION REDUCTION POTENTIAL	N/A	N/A	N/A	347	429	486	472	467	436	438	451	434
Miscellaneous Parameters (s.u.)												
PH	N/A	N/A	N/A	9.43	10.1	7.92	8.3	8.87	8.26	7.66	8.05	8.5

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Table 2G
Historical Soil Samples
Remedial Investigation (2011-2012)
Laboratory Analytical Data for Remaining Soil
PPG Site 63 Remedial Investigation Report
1 Burma Road,
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SAMPLE LOCATION	NJ Non-Residential	NJ Residential	NJ Default Impact to	063_C012			063_D003/MW5		
				063_C012_6.4	063_C012_10.5	063_C012_15.8	063_D003_6.7	063_D003_13.0	063_D003_17.0
LABORATORY ID				460-29336-16	460-29336-17	460-29336-18	460-28742-3	460-28742-4	460-28742-5
TOP OF SAMPLE (ft bgs)	Direct Contact	Direct Contact	Groundwater	6.4	10.5	15.8	6.7	13	17
TOP OF SAMPLE ELEV. (ft msl)	Soil (NJAC	Soil (NJAC	Soil Screening	1.3	-2.8	-8.1	2.4	-3.9	-7.9
SAMPLE_DATE	7:26D 5/12)	7:26D 5/12)	(11/13)	7/28/2011	7/28/2011	7/28/2011	7/13/2011	7/13/2011	7/13/2011
ABOVE/BELOW GW TABLE				BELOW	BELOW	BELOW	BELOW	BELOW	BELOW
MATRIX				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Metals (mg/kg)									
ANTIMONY	450	31	6	0.98 UJ	3.4 UJ	0.95 UJ	0.93 UJ	0.87 UJ	0.92 UJ
CHROMIUM	120,000	N/A	N/A	15.5	21.8	26.9	16.2	18.7	9.3
NICKEL	23,000	1,600	205**	11.9	19 J	14.7	12.4	11.6	7.3 J
THALLIUM	79	5	3	1.1 U	3.7 U	1 U	1 U	0.96 U	1 U
VANADIUM	1,100	390	N/A	21.3	27.7 J	35.3	23	29.8	14.6
Miscellaneous Parameters (mg/kg)									
HEXAVALENT CHROMIUM	20	N/A	N/A	0.59 U	2 U	0.56 U	0.53 UJ	0.55 UJ	0.54 UJ
Miscellaneous Parameters (mv)									
OXIDATION REDUCTION POTENTIAL	N/A	N/A	N/A	440	433	457	375	389	404
Miscellaneous Parameters (s.u.)									
PH	N/A	N/A	N/A	8.16	8.08	7.78	9.33	9.11	8.85

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Table 2G
Historical Soil Samples
Remedial Investigation (2011-2012)
Laboratory Analytical Data for Remaining Soil
PPG Site 63 Remedial Investigation Report
1 Burma Road,
Jersey City, New Jersey
Sampled by TetraTech

SAMPLE LOCATION	NJ Non-Residential	NJ Residential	NJ Default Impact to	063_D004					063_D005		
				063_D004_5.0	063_D004_6.7	063_D004_10.5	063_D004_10.5-D	063_D004_15.0	063_D005_6.0	063_D005_10.0	063_D005_15.0
LABORATORY ID				460-29195-5	460-29195-4	460-29195-6	460-29195-7	460-29195-8	460-28783-12	460-28783-13	460-28783-14
TOP OF SAMPLE (ft bgs)	Direct Contact	Direct Contact	Groundwater	5	6.7	10.5	10.5	15	6	10	15
TOP OF SAMPLE ELEV. (ft msl)	Soil (NJAC	Soil (NJAC	Soil Screening	3.6	1.9	-1.9	-1.9	-6.4	2.6	-1.4	-6.4
SAMPLE_DATE	7:26D 5/12)	7:26D 5/12)	(11/13)	7/25/2011	7/25/2011	7/25/2011	7/25/2011	7/25/2011	7/14/2011	7/14/2011	7/14/2011
ABOVE/BELOW GW TABLE				BELOW	BELOW	BELOW	BELOW	BELOW	BELOW	BELOW	BELOW
MATRIX				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Metals (mg/kg)											
ANTIMONY	450	31	6	1.1 UJ	1.5 J	0.92 UJ	0.93 UJ	0.97 UJ	1.4 UJ	0.95 UJ	0.92 UJ
CHROMIUM	120,000	N/A	N/A	28.2	46.2	23.2	20.2	13	13.8 J	53.8 J	35.9 J
NICKEL	23,000	1,600	205**	9.5 J	14.6	12.9	11.1	11.4	12.1 J	12.4	14.1
THALLIUM	79	5	3	1.3 U	1.1 U	1 U	1 U	1.1 U	1.5 U	1 U	1 U
VANADIUM	1,100	390	N/A	22.5	60	27.1	32.5	18.2	20.1	28.8	56.7
Miscellaneous Parameters (mg/kg)											
HEXAVALENT CHROMIUM	20	N/A	N/A	0.65 UJ	0.56 UJ	0.55 UJ	0.55 UJ	0.53 UJ	0.78 U	0.54 U	0.51 U
Miscellaneous Parameters (mv)											
OXIDATION REDUCTION POTENTIAL	N/A	N/A	N/A	438	438	429	429	433	413	404	428
Miscellaneous Parameters (s.u.)											
PH	N/A	N/A	N/A	7.81	8.18	8.65	8.76	8.66	6.95	8	8.76

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Table 2G
Historical Soil Samples
Remedial Investigation (2011-2012)
Laboratory Analytical Data for Remaining Soil
PPG Site 63 Remedial Investigation Report
1 Burma Road,
Jersey City, New Jersey
Sampled by TetraTech

SAMPLE LOCATION	NJ Non-Residential	NJ Residential	NJ Default Impact to	063_D006/MW6				063_D007			
				063_D006_5.0	063_D006_6.5	063_D006_10.0	063_D006_15.0	063_D007_5.7	063_D007_10.0	063_D007_10.0-D	063_D007_15.0
SAMPLE ID				460-28661-6	460-28661-7	460-28661-8	460-28661-9	460-29302-6	460-29302-7	460-29302-8	460-29302-9
LABORATORY ID											
TOP OF SAMPLE (ft bgs)	Direct Contact	Direct Contact	Groundwater	5	6.5	10	15	5.7	10	10	15
TOP OF SAMPLE ELEV. (ft msl)	Soil (NJAC	Soil (NJAC	Soil Screening	3	1.5	-2	-7	2.5	-1.8	-1.8	-6.8
SAMPLE_DATE	7:26D 5/12)	7:26D 5/12)	(11/13)	7/12/2011	7/12/2011	7/12/2011	7/12/2011	7/27/2011	7/27/2011	7/27/2011	7/27/2011
ABOVE/BELOW GW TABLE				BELOW	BELOW	BELOW	BELOW	BELOW	BELOW	BELOW	BELOW
MATRIX				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Metals (mg/kg)											
ANTIMONY	450	31	6	0.66 UJ	0.69 UJ	0.61 UJ	0.57 UJ	1 UJ	0.92 UJ	0.92 UJ	0.88 UJ
CHROMIUM	120,000	N/A	N/A	3850	15.4	19.9	46.5	14.6 J	21.7 J	20.2 J	19 J
NICKEL	23,000	1,600	205**	11.3	12.6	8.2	13.8	13.3	12.2	12.4	12.1
THALLIUM	79	5	3	0.36 U	0.38 U	0.34 U	1 J	1.1 U	1 U	1 U	0.97 U
VANADIUM	1,100	390	N/A	13	16.6	36.5	86.2	16.5	21.4	19.8	28.3
Miscellaneous Parameters (mg/kg)											
HEXAVALENT CHROMIUM	20	N/A	N/A	0.62 U	0.64 U	0.56 U	0.55 U	0.65 U	0.57 U	0.57 U	0.56 U
Miscellaneous Parameters (mv)											
OXIDATION REDUCTION POTENTIAL	N/A	N/A	N/A	229	292	322	334	344	367	389	528
Miscellaneous Parameters (s.u.)											
PH	N/A	N/A	N/A	8.83	7.98	8.09	8.94	7.16	8.13	8.13	8

U = NON DETECT
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 TO GROUNDWATER SOIL SCREENING LEVEL
 *** COMPLIANCE AVERAGED BELOW
 STANDARD
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 APPLY
 EXCEEDS MINIMUM STANDARD/SCREENING
 CRITERIA
 NON-DETECTION EXCEEDS MINIMUM
 STANDARD/SCREENING CRITERIA

Table 2G
Historical Soil Samples
Remedial Investigation (2011-2012)
Laboratory Analytical Data for Remaining Soil
PPG Site 63 Remedial Investigation Report
1 Burma Road,
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SAMPLE LOCATION	NJ Non-Residential	NJ Residential	NJ Default Impact to	063_D008			063_D009/MW7			063_D010		
				063_D008_5.0	063_D008_10.0	063_D008_15.0	063_D009_5.0	063_D009_10.0	063_D009_13.2	063_D010_5.1	063_D010_10.0	063_D010_15.0
LABORATORY ID				460-29302-11	460-29302-12	460-29302-13	460-28661-2	460-28661-3	460-28661-4	460-29233-24	460-29233-25	460-29233-26
TOP OF SAMPLE (ft bgs)	Direct Contact	Direct Contact	Groundwater	5	10	15	5	10	13.2	5.1	10	15
TOP OF SAMPLE ELEV. (ft msl)	Soil (NJAC	Soil (NJAC	Soil Screening	3.1	-1.9	-6.9	3.6	-1.4	-4.6	3.2	-1.7	-6.7
SAMPLE_DATE	7:26D 5/12)	7:26D 5/12)	(11/13)	7/27/2011	7/27/2011	7/27/2011	7/12/2011	7/12/2011	7/12/2011	7/26/2011	7/26/2011	7/26/2011
ABOVE/BELOW GW TABLE				BELOW	BELOW	BELOW	BELOW	BELOW	BELOW	BELOW	BELOW	BELOW
MATRIX				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Metals (mg/kg)												
ANTIMONY	450	31	6	1.1 UJ	1 UJ	0.92 UJ	0.63 UJ	0.62 UJ	0.63 UJ	0.99 UJ	0.94 UJ	0.97 UJ
CHROMIUM	120,000	N/A	N/A	10.9 J	35.7 J	33.5	23.4	46.5	26.9	25.6 J	49.9 J	39.4 J
NICKEL	23,000	1,600	205**	10.2	18	19.4	12.6	11.2	15.2	12.8	18.5	12
THALLIUM	79	5	3	1.2 U	1.1 U	1 U	0.35 U	0.35 U	0.35 U	1.1 U	1 U	1.1 U
VANADIUM	1,100	390	N/A	13.7	46.9	41.9	22.8	24.7	30.7	23.6	46.8	22.5
Miscellaneous Parameters (mg/kg)												
HEXAVALENT CHROMIUM	20	N/A	N/A	0.68 U	0.55 U	0.54 U	0.6 U	0.57 U	0.55 U	0.58 U	0.55 U	0.55 U
Miscellaneous Parameters (mv)												
OXIDATION REDUCTION POTENTIAL	N/A	N/A	N/A	461	467	485	288	351	362	498	471	501
Miscellaneous Parameters (s.u.)												
PH	N/A	N/A	N/A	7.65	8	8.34	8.63	8.38	8.4	8.28	8.92	8.81

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 *** COMPLIANCE AVERAGED BELOW STANDARD
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 EXCEEDS MINIMUM STANDARD/SCREENING CRITERIA
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Historical Soil Samples
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Laboratory Analytical Data for Remaining Soil
PPG Site 63 Remedial Investigation Report
1 Burma Road,
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SAMPLE LOCATION	NJ Non-Residential	NJ Residential	NJ Default Impact to	063_D011					063_E003				
				063_D011_0.0	063_D011_7.0	063_D011_11.0	063_D011_11.0-D	063_D011_15.0	063_E003_0.0	063_E003_6.0	063_E003_10.5	063_E003_10.5-D	063_E003_15.0
LABORATORY ID				460-29336-10	460-29336-11	460-29336-12	460-29336-13	460-29336-14	460-29233-1	460-29233-2	460-29233-3	460-29233-4	460-29233-5
TOP OF SAMPLE (ft bgs)	Direct Contact	Direct Contact	Groundwater	0	7	11	11	15	0	6	10.5	10.5	15
TOP OF SAMPLE ELEV. (ft msl)	Soil (NJAC	Soil (NJAC	Soil Screening	9.7	2.7	-1.3	-1.3	-5.3	10.3	4.3	-0.2	-0.2	-4.7
SAMPLE_DATE	7:26D 5/12)	7:26D 5/12)	(11/13)	7/28/2011	7/28/2011	7/28/2011	7/28/2011	7/28/2011	7/26/2011	7/26/2011	7/26/2011	7/26/2011	7/26/2011
ABOVE/BELOW GW TABLE				ABOVE	BELOW	BELOW	BELOW	BELOW	ABOVE	BELOW	BELOW	BELOW	BELOW
MATRIX				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Metals (mg/kg)													
ANTIMONY	450	31	6	1 UJ	1 U	0.93 U	0.98 U	0.98 U	0.9 UJ	0.96 UJ	0.94 UJ	0.93 UJ	0.9 UJ
CHROMIUM	120,000	N/A	N/A	303	12.5	28	33.3	39.1	28.9 J	19.4 J	15.1 J	14.8 J	17.7 J
NICKEL	23,000	1,600	205**	29.8	12.9	15.6	17.2	16.5	33.8	13.3	13.3	11.8	10.2
THALLIUM	79	5	3	1.1 U	1.1 U	1 U	1.1 U	1.1 U	0.99 U	1.1 U	1 U	1 U	0.98 U
VANADIUM	1,100	390	N/A	54	16.3	38.7	42.6	41.4	51.1	27.9	21.9	23	22.4
Miscellaneous Parameters (mg/kg)													
HEXAVALENT CHROMIUM	20	N/A	N/A	1.4 J	0.62 U	0.56 U	0.57 U	0.56 U	0.54 U	0.73 J	0.55 U	0.54 U	0.53 U
Miscellaneous Parameters (mv)													
OXIDATION REDUCTION POTENTIAL	N/A	N/A	N/A	459	450	426	427	429	518	456	461	462	468
Miscellaneous Parameters (s.u.)													
PH	N/A	N/A	N/A	7.67	7.38	8.86	8.99	8.72	8.03	9.12	9.05	8.89	8.71

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Laboratory Analytical Data for Remaining Soil
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1 Burma Road,
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SAMPLE LOCATION	NJ Non-Residential	NJ Residential	NJ Default Impact to	063_E004				063_E005				
				063_E004_6.5	063_E004_11.0	063_E004_15.0	063_E004_18.3	063_E005_0.0	063_E005_0.5	063_E005_6.0	063_E005_10.0	063_E005_15.0
SAMPLE ID				460-29233-7	460-29233-8	460-29233-9	460-29233-10	460-29233-11	460-29233-12	460-29233-13	460-29233-14	460-29233-15
LABORATORY ID												
TOP OF SAMPLE (ft bgs)	Direct Contact	Direct Contact	Groundwater	6.5	11	15	18.3	0	0.5	6	10	15
TOP OF SAMPLE ELEV. (ft msl)	Soil (NJAC	Soil (NJAC	Soil Screening	7.4	2.9	-1.1	-4.4	9.3	8.8	3.3	-0.7	-5.7
SAMPLE_DATE	7:26D 5/12)	7:26D 5/12)	(11/13)	7/26/2011	7/26/2011	7/26/2011	7/26/2011	7/26/2011	7/26/2011	7/26/2011	7/26/2011	7/26/2011
ABOVE/BELOW GW TABLE				BELOW	BELOW	BELOW	BELOW	ABOVE	ABOVE	BELOW	BELOW	BELOW
MATRIX				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Metals (mg/kg)												
ANTIMONY	450	31	6	0.9 UJ	1 UJ	0.91 UJ	0.95 UJ	0.94 UJ	0.91 UJ	0.99 UJ	0.97 UJ	0.92 UJ
CHROMIUM	120,000	N/A	N/A	28.7 J	15.2 J	19 J	9.8 J	302 J	53.5 J	13.5 J	26.2 J	14.3 J
NICKEL	23,000	1,600	205**	18.1	11	10.6	6.6 J	28.4	7.8 J	10.6	16.2	10.9
THALLIUM	79	5	3	0.99 U	1.1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 U
VANADIUM	1,100	390	N/A	37.1	24.5	24.6	16.5	61.3	9 J	21.1	38.4	21.3
Miscellaneous Parameters (mg/kg)												
HEXAVALENT CHROMIUM	20	N/A	N/A	0.55 U	0.57 U	0.54 U	0.55 U	1.7 J	0.52 U	0.58 U	0.55 U	0.53 U
Miscellaneous Parameters (mv)												
OXIDATION REDUCTION POTENTIAL	N/A	N/A	N/A	451	456	481	475	499	507	455	460	474
Miscellaneous Parameters (s.u.)												
PH	N/A	N/A	N/A	9.03	8.81	8.6	8.08	8.12	8.52	8.23	8.31	8.7

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SAMPLE LOCATION	NJ Non-Residential	NJ Residential	NJ Default Impact to	063_E006				063_E007			
				063_E006_0.0	063_E006_6.0	063_E006_10.0	063_E006_15.0	063_E007_0.0	063_E007_5.0	063_E007_10.0	063_E007_15.0
LABORATORY ID				460-29233-18	460-29233-19	460-29233-20	460-29233-21	460-29302-1	460-29302-2	460-29302-3	460-29302-4
TOP OF SAMPLE (ft bgs)	Direct Contact	Direct Contact	Groundwater	0	6	10	15	0	5	10	15
TOP OF SAMPLE ELEV. (ft msl)	Soil (NJAC	Soil (NJAC	Soil Screening	8.9	2.9	-1.1	-6.1	8.1	3.1	-1.9	-6.9
SAMPLE_DATE	7:26D 5/12)	7:26D 5/12)	(11/13)	7/26/2011	7/26/2011	7/26/2011	7/26/2011	7/27/2011	7/27/2011	7/27/2011	7/27/2011
ABOVE/BELOW GW TABLE				ABOVE	BELOW	BELOW	BELOW	ABOVE	BELOW	BELOW	BELOW
MATRIX				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Metals (mg/kg)											
ANTIMONY	450	31	6	0.87 UJ	1 UJ	0.95 UJ	0.93 UJ	0.96 J	1.2 UJ	0.96 UJ	1 UJ
CHROMIUM	120,000	N/A	N/A	152 J	12.2 J	27.7 J	28.5 J	328 J	12.6 J	13 J	21.3 J
NICKEL	23,000	1,600	205**	24	10.4	11.4	13.7	28.2	11.5	11.3	12.9
THALLIUM	79	5	3	0.96 U	1.1 U	1 U	1 U	1 U	1.3 U	1.1 U	1.1 U
VANADIUM	1,100	390	N/A	45.4	16.2	21.9	32.4	66.6	14.2	19	29.1
Miscellaneous Parameters (mg/kg)											
HEXAVALENT CHROMIUM	20	N/A	N/A	1.7 J	0.59 U	0.55 U	0.55 U	4.4	0.69 U	0.56 U	0.56 U
Miscellaneous Parameters (mv)											
OXIDATION REDUCTION POTENTIAL	N/A	N/A	N/A	351	366	369	505	493	407	408	419
Miscellaneous Parameters (s.u.)											
PH	N/A	N/A	N/A	8.11	7.55	8.05	8.21	8.15	7.36	8.12	8.17

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SAMPLE LOCATION	NJ Non-Residential	NJ Residential	NJ Default Impact to	065_A005					065_A006			
				065_A005_5.0	065_A005_5.0-D	065_A005_10.0	065_A005_15.0	065_A005_17.5	065_A006_8.2	065_A006_11.7	065_A006_11.7-D	065_A006_15.0
LABORATORY ID				460-29456-20	460-29456-21	460-29456-22	460-29456-23	460-29456-24	460-29456-15	460-29456-14	460-29456-16	460-29456-18
TOP OF SAMPLE (ft bgs)	Direct Contact	Direct Contact	Groundwater	5	5	10	15	17.5	8.2	11.7	11.7	15
TOP OF SAMPLE ELEV. (ft msl)	Soil (NJAC	Soil (NJAC	Soil Screening	2.7	2.7	-2.3	-7.3	-9.8	-0.9	-4.4	-4.4	-7.7
SAMPLE_DATE	7:26D 5/12)	7:26D 5/12)	(11/13)	8/1/2011	8/1/2011	8/1/2011	8/1/2011	8/1/2011	8/1/2011	8/1/2011	8/1/2011	8/1/2011
ABOVE/BELOW GW TABLE				BELOW	BELOW	BELOW	BELOW	BELOW	BELOW	BELOW	BELOW	BELOW
MATRIX				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Metals (mg/kg)												
ANTIMONY	450	31	6	1.4 UJ	5.7 UJ	1.1 UJ	0.99 UJ	0.99 UJ	12.7 UJ	1.1 UJ	1.1 UJ	1 UJ
CHROMIUM	120,000	N/A	N/A	7060	9090	206	92.1	18	12400	18.3	21.1	100
NICKEL	23,000	1,600	205**	14.4	18.5 J	11.6	12.6	10.9	22.7 J	7.7 J	7.4 J	7.7 J
THALLIUM	79	5	3	1.6 U	6.3 U***	1.2 U	1.1 U	1.1 U	5.6 U***	1.2 U	1.2 U	1.1 U
VANADIUM	1,100	390	N/A	40.2	52.4 J	32.8	20.9	18.2	52.8 J	27.3	29.7	20.8
Miscellaneous Parameters (mg/kg)												
HEXAVALENT CHROMIUM	20	N/A	N/A	0.66 U	0.75 J	0.69 U	0.59 U	0.56 U	4.2	0.62 U	0.65 U	0.61 U
Miscellaneous Parameters (mv)												
OXIDATION REDUCTION POTENTIAL	N/A	N/A	N/A	201	213	338	381	481	214	332	337	344
Miscellaneous Parameters (s.u.)												
PH	N/A	N/A	N/A	10.4	10.3	8.92	8.26	7.99	11.7	7.75	7.73	7.91

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SAMPLE LOCATION	NJ Non-Residential	NJ Residential	NJ Default Impact to	065_A007				065_A008			065_A009	
				065_A007_6.9	065_A007_6.9-D	065_A007_11.0	065_A007_15.0	065_A008_7.0	065_A008_10.4	065_A008_15.0	065_A009_6.0	065_A009_15.0
LABORATORY ID				460-29456-9	460-29456-10	460-29456-11	460-29456-12	460-29456-4	460-29456-5	460-29456-6	460-29456-34	460-29456-35
TOP OF SAMPLE (ft bgs)	Direct Contact	Direct Contact	Groundwater	6.9	6.9	11	15	7	10.4	15	6	15
TOP OF SAMPLE ELEV. (ft msl)	Soil (NJAC	Soil (NJAC	Soil Screening	0.5	0.5	-3.6	-7.6	0.6	-2.8	-7.4	1.5	-7.5
SAMPLE_DATE	7:26D 5/12)	7:26D 5/12)	(11/13)	8/1/2011	8/1/2011	8/1/2011	8/1/2011	8/1/2011	8/1/2011	8/1/2011	8/1/2011	8/1/2011
ABOVE/BELOW GW TABLE				BELOW	BELOW	BELOW	BELOW	BELOW	BELOW	BELOW	BELOW	BELOW
MATRIX				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Metals (mg/kg)												
ANTIMONY	450	31	6	9.2 J	10.6 J	3.5 UJ	1 UJ	3.1 J	1.4 UJ	1 UJ	6.1 J	0.9 UJ
CHROMIUM	120,000	N/A	N/A	50.9 J	44 J	23.1 J	23.4	1510 J	490 J	30.8 J	23.2	95.9
NICKEL	23,000	1,600	205**	17.3	19.8	8.8 J	8.8 J	14.3	14.9	9.9	11.3	17.7
THALLIUM	79	5	3	1.3 U	1.2 U	3.8 U^	1.1 U	1.1 U	1.6 U	1.1 U	1.1 U	0.99 U
VANADIUM	1,100	390	N/A	27.8	42.1	21.1 J	24.4	30	24.1	26.7	7.9 J	38.5
Miscellaneous Parameters (mg/kg)												
HEXAVALENT CHROMIUM	20	N/A	N/A	0.66 U	0.67 U	2 U	0.6 U	9.5	0.84 U	0.58 U	0.6 U	0.55 U
Miscellaneous Parameters (mv)												
OXIDATION REDUCTION POTENTIAL	N/A	N/A	N/A	218	137	454	428	340	387	450	410	398
Miscellaneous Parameters (s.u.)												
PH	N/A	N/A	N/A	9.57	9.65	7.96	8.38	10	8.37	7.94	8.01	8.75

U = NON DETECT
 J = ESTIMATED
 ft msl = FEET MEAN SEA LEVEL
 ft bgs = FEET BELOW GROUND SURFACE
 mg/kg = MILLIGRAMS PER KILOGRAM
 mv = millivolts
 s.u. = standard units
 N/A = Not Applicable

 ** SITE SPECIFIC IGW SSL = DEFAULT IMPACT TO GROUNDWATER SOIL SCREENING LEVEL
 *** COMPLIANCE AVERAGED BELOW STANDARD
 ^ SAMPLE IS BELOW WATER TABLE THEREFORE NJDEP IGWSSL DOES NOT APPLY
 EXCEEDS MINIMUM STANDARD/SCREENING CRITERIA
 NON-DETECTION EXCEEDS MINIMUM STANDARD/SCREENING CRITERIA

Table 2G
Historical Soil Samples
Remedial Investigation (2011-2012)
Laboratory Analytical Data for Remaining Soil
PPG Site 63 Remedial Investigation Report
1 Burma Road,
Jersey City, New Jersey
Sampled by TetraTech

SAMPLE LOCATION	NJ Non-Residential	NJ Residential	NJ Default Impact to	065_A010		065_A011			065_A012				
				065_A010_15.0	065_A010_15.0-D	065_A011_10.0	065_A011_15.0	065_A011_18.0	065_A012_5.0	065_A012_10.0	065_A012_10.0-D	065_A012_15.0	065_A012_18.5
LABORATORY ID				460-29456-38	460-29456-39	460-29355-9	460-29355-10	460-29355-11	460-29456-26	460-29456-27	460-29456-28	460-29456-29	460-29456-30
TOP OF SAMPLE (ft bgs)	Direct Contact	Direct Contact	Groundwater	15	15	10	15	18	5	10	10	15	18.5
TOP OF SAMPLE ELEV. (ft msl)	Soil (NJAC	Soil (NJAC	Soil Screening	-7.5	-7.5	-2.4	-7.4	-10.4	2.7	-2.3	-2.3	-7.3	-10.8
SAMPLE_DATE	7:26D 5/12)	7:26D 5/12)	(11/13)	8/1/2011	8/1/2011	7/28/2011	7/28/2011	7/28/2011	8/1/2011	8/1/2011	8/1/2011	8/1/2011	8/1/2011
ABOVE/BELOW GW TABLE				BELOW	BELOW	BELOW	BELOW	BELOW	BELOW	BELOW	BELOW	BELOW	BELOW
MATRIX				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Metals (mg/kg)													
ANTIMONY	450	31	6	0.93 UJ	0.98 UJ	1.1 UJ	0.97 UJ	0.91 UJ	0.99 UJ	1.7 UJ	1.7 UJ	0.99 UJ	1 UJ
CHROMIUM	120,000	N/A	N/A	32.6	34.6	13.7 J	14.1 J	20.9 J	21.8	243 J	121 J	50.1	14.2
NICKEL	23,000	1,600	205**	12.3	15.6	12.1	9.3	16	13.1	24.7	23.1	7.2 J	13.7
THALLIUM	79	5	3	1 U	1.1 U	1.2 U	1.1 U	1 U	1.1 U	1.8 U	1.9 U	1.1 U	1.1 U
VANADIUM	1,100	390	N/A	28.8	34.3	20.7	21.2	32.6	28.3	33.2	33.1	19.7	20.5
Miscellaneous Parameters (mg/kg)													
HEXAVALENT CHROMIUM	20	N/A	N/A	0.53 U	0.54 U	0.59 U	0.58 U	0.55 U	0.55 U	0.99 U	1 U	0.58 U	0.59 U
Miscellaneous Parameters (mv)													
OXIDATION REDUCTION POTENTIAL	N/A	N/A	N/A	382	390	449	428	430	449	452	442	433	428
Miscellaneous Parameters (s.u.)													
PH	N/A	N/A	N/A	9.16	9.04	7.29	8.32	8.97	8.32	7.79	7.83	7.84	8.49

U = NON DETECT
 J = ESTIMATED
 ft msl = FEET MEAN SEA LEVEL
 ft bgs = FEET BELOW GROUND SURFACE
 mg/kg = MILLIGRAMS PER KILOGRAM
 mv = millivolts
 s.u. = standard units
 N/A = Not Applicable

 ** SITE SPECIFIC IGW SSL = DEFAULT IMPACT TO GROUNDWATER SOIL SCREENING LEVEL
 *** COMPLIANCE AVERAGED BELOW STANDARD
 ^ SAMPLE IS BELOW WATER TABLE THEREFORE NJDEP IGWSSL DOES NOT APPLY
 EXCEEDS MINIMUM STANDARD/SCREENING CRITERIA
 NON-DETECTION EXCEEDS MINIMUM STANDARD/SCREENING CRITERIA

Table 2G
Historical Soil Samples
Remedial Investigation (2011-2012)
Laboratory Analytical Data for Remaining Soil
PPG Site 63 Remedial Investigation Report
1 Burma Road,
Jersey City, New Jersey
Sampled by TetraTech

SAMPLE LOCATION	NJ Non-Residential	NJ Residential	NJ Default Impact to	065_A013				065_A014			
				065_A013_5.0	065_A013_10.0	065_A013_15.5	065_A013_17.0	065_A014_10.0	065_A014_10.0-D	065_A014_15.0	065_A014_16.7
SAMPLE ID				460-29355-3	460-29355-4	460-29355-5	460-29355-6	460-29469-5	460-29469-6	460-29469-7	460-29469-8
LABORATORY ID											
TOP OF SAMPLE (ft bgs)	Direct Contact	Direct Contact	Groundwater	5	10	15.5	17	10	10	15	16.7
TOP OF SAMPLE ELEV. (ft msl)	Soil (NJAC	Soil (NJAC	Soil Screening	1.7	-3.3	-8.8	-9.3	-3.1	-3.1	-8.1	-9.8
SAMPLE_DATE	7:26D 5/12)	7:26D 5/12)	(11/13)	7/28/2011	7/28/2011	7/28/2011	7/28/2011	8/1/2011	8/1/2011	8/1/2011	8/1/2011
ABOVE/BELOW GW TABLE				BELOW	BELOW	BELOW	BELOW	BELOW	BELOW	BELOW	BELOW
MATRIX				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Metals (mg/kg)											
ANTIMONY	450	31	6	1.9 J	4.3 J	3.2 UJ	0.96 UJ	6 J	5.9 J	2.4 UJ	1.1 UJ
CHROMIUM	120,000	N/A	N/A	22.3	11.3	13.3 J	17.1	22	25	221	3.6
NICKEL	23,000	1,600	205**	12.5	19.1	13.9 J	13.2	18.6	15.1	26.7	1.5 J
THALLIUM	79	5	3	1.1 U	1.4 U	3.5 UJ	1.1 U	1.5 U	1.5 U	2.6 U	1.2 U
VANADIUM	1,100	390	N/A	14.4	14.5	18.4 J	24.8	17.4	15.7	35.2	7.6 J
Miscellaneous Parameters (mg/kg)											
HEXAVALENT CHROMIUM	20	N/A	N/A	0.59 U	0.72 U	2 U	0.57 U	0.76 UJ	0.74 UJ	1.3 UJ	0.64 UJ
Miscellaneous Parameters (mv)											
OXIDATION REDUCTION POTENTIAL	N/A	N/A	N/A	479	411	374	404	348	351	347	368
Miscellaneous Parameters (s.u.)											
PH	N/A	N/A	N/A	8.3	8.01	7.76	7.03	7.75	7.71	7.71	7.2

U = NON DETECT
 J = ESTIMATED
 ft msl = FEET MEAN SEA LEVEL
 ft bgs = FEET BELOW GROUND SURFACE
 mg/kg = MILLIGRAMS PER KILOGRAM
 mv = millivolts
 s.u. = standard units
 N/A = Not Applicable

 ** SITE SPECIFIC IGW SSL = DEFAULT IMPACT
 TO GROUNDWATER SOIL SCREENING LEVEL
 *** COMPLIANCE AVERAGED BELOW
 STANDARD
 ^ SAMPLE IS BELOW WATER TABLE
 THEREFORE NJDEP IGWSSL DOES NOT
 APPLY
 EXCEEDS MINIMUM STANDARD/SCREENING
 CRITERIA
 NON-DETECTION EXCEEDS MINIMUM
 STANDARD/SCREENING CRITERIA

Table 2G
Historical Soil Samples
Remedial Investigation (2011-2012)
Laboratory Analytical Data for Remaining Soil
PPG Site 63 Remedial Investigation Report
1 Burma Road,
Jersey City, New Jersey
Sampled by TetraTech

SAMPLE LOCATION	NJ Non-Residential	NJ Residential	NJ Default Impact to	065_A015					
				065_A015_0.0	065_A015_5.0	065_A015_10.3	065_A015_10.3-D	065_A015_15.0	065_A015_19.0
SAMPLE ID				460-29469-9	460-29469-10	460-29469-11	460-29469-12	460-29469-13	460-29469-14
LABORATORY ID									
TOP OF SAMPLE (ft bgs)	Direct Contact	Direct Contact	Groundwater	0	5	10.3	10.3	15	19
TOP OF SAMPLE ELEV. (ft msl)	Soil (NJAC	Soil (NJAC	Soil Screening	6.6	1.6	-3.7	-3.7	-8.4	-12.4
SAMPLE_DATE	7:26D 5/12)	7:26D 5/12)	(11/13)	8/1/2011	8/1/2011	8/1/2011	8/1/2011	8/1/2011	8/1/2011
ABOVE/BELOW GW TABLE				ABOVE	BELOW	BELOW	BELOW	BELOW	BELOW
MATRIX				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Metals (mg/kg)									
ANTIMONY	450	31	6	1.7 J	1 UJ	1.9 J	2 J	2.8 UJ	1 UJ
CHROMIUM	120,000	N/A	N/A	132	91.4	17.4 J	34.8 J	25.1 J	15.4
NICKEL	23,000	1,600	205**	33.4	13.8	11.8 J	16.4	18.3 J	13.9
THALLIUM	79	5	3	1 U	1.2 U	1.8 U	1.8 U	3.1 U^	1.1 U
VANADIUM	1,100	390	N/A	44.6	13.6	13.7 J	18.6	29.5 J	25.6
Miscellaneous Parameters (mg/kg)									
HEXAVALENT CHROMIUM	20	N/A	N/A	0.51 UJ	3.2 J	0.91 UJ	0.95 UJ	1.6 UJ	0.61 UJ
Miscellaneous Parameters (mv)									
OXIDATION REDUCTION POTENTIAL	N/A	N/A	N/A	363	439	391	371	457	355
Miscellaneous Parameters (s.u.)									
PH	N/A	N/A	N/A	8.67	8.03	7.63	7.6	7.67	7.76

U = NON DETECT
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 ft msl = FEET MEAN SEA LEVEL
 ft bgs = FEET BELOW GROUND SURFACE
 mg/kg = MILLIGRAMS PER KILOGRAM
 mv = millivolts
 s.u. = standard units
 N/A = Not Applicable

 ** SITE SPECIFIC IGW SSL = DEFAULT IMPACT
 TO GROUNDWATER SOIL SCREENING LEVEL
 *** COMPLIANCE AVERAGED BELOW
 STANDARD
 ^ SAMPLE IS BELOW WATER TABLE
 THEREFORE NJDEP IGWSSL DOES NOT
 APPLY
 EXCEEDS MINIMUM STANDARD/SCREENING
 CRITERIA
 NON-DETECTION EXCEEDS MINIMUM
 STANDARD/SCREENING CRITERIA

Table 2H
Historical Soil Samples
Site Investigation Borings (2011)
Complete Laboratory Analytical Summary Table PPG Site 63
1 Burma Road
Jersey City, NJ
2011- Sampled by TRC

Sample Location:	NJ Non-Residential Direct Contact Soil (NJAC 7:26D 5/12)	NJ Residential Direct Contact Soil (NJAC 7:26D 5/12)	NJ Default Impact to Groundwater Soil Screening (11/13)	SB 4	SB 6	SB 7	SB 8	SB 10	
Sample Depth (ft bgs):				7.5-8.0	7.5-8.0	10.5-11.0	8.5-9.0	9.0-9.5	10.0-10.5
Sample Elevation (ft msl):				0.5-1	-0.5-0	-3.5-(-3)	-0.9-(-0.4)	-1.8-(-1.3)	-2.8-(-2.3)
Client Sample ID:				SB4/7.5-8.0	SB6/7.5-8.0	SB07/10.5-11.0	SB-8/8.5-9.0	SB10/9.0-9.5	SB10/10.0-10.5
Lab Sample ID:				JA81086-6A	JA80694-2A	JA80694-11A	JA80919-8A	JA80783-5	JA80783-6
Date Sampled:				07/15/11	07/12/11	07/12/11	07/14/11	07/13/11	07/13/11
Matrix:				Soil	Soil	Soil	Soil	Soil	Soil
Excavation Status:									
Antimony (mg/kg)	450	31	6	<4.9	<7.1***	<5.4	<4.9	<2.5	<5.6
Chromium (mg/kg)	120,000	N/A	N/A	21.1	54.3	46.3	46.6	14.5	33.9
Nickel (mg/kg)	23,000	1,600	205**	16.6	25.4	21.1	25.1	13.1	13.9
Thallium (mg/kg)	79	5	3	<2.5	<3.6***	<2.7	<2.5	<1.3	<2.8
Vanadium (mg/kg)	1,100	390	N/A	28.6	35.9	32.2	37.2	21.1	22.2
Hexavalent Chromium (mg/kg)	20	N/A	N/A	<9.9	3.6	1.5	2.2	<0.49	1.3

NOTES:

< - The analyte was not detected at the stated reporting limit.

** = Site-specific impact to groundwater criteria developed using SPLP methodology for Nickel;

SPLP = Synthetic Precipitation Leaching Procedure.

*** = Soil sample collected entirely below the water table; therefore, the IGWSSL does not apply.;

IGWSSL = Default Impact To Groundwater Soil Screening Level.

ft msl = feet mean sea level

ft bgs = feet below ground surface

mg/kg = milligram per kilogram

Additional chrome data reported in Tables 2J and 4J.

Result exceeded criteria

Table 2H
 Historical Soil Samples
 Site Investigation Borings (2011)
 Complete Laboratory Analytical Summary Table PPG Site 63
 1 Burma Road
 Jersey City, NJ
 2011- Sampled by TRC

Sample Location:	NJ Non-Residential Direct Contact Soil (NJAC 7:26D 5/12)	NJ Residential Direct Contact Soil (NJAC 7:26D 5/12)	NJ Default Impact to Groundwater Soil Screening (11/13)	SB 12		TW 1	TW 2		
Sample Depth (ft bgs):				12.0-12.5	13.0-13.5	10.0-10.5	9.5-10.0	17.0-17.5	22.0-22.5
Sample Elevation (ft msl):				-3.6-(-3.1)	-4.6-(-4.1)	-2.2-(-1.7)	-1.4-(-0.9)	-8.9-(-8.4)	-13.9-(-13.4)
Client Sample ID:				SB12/12.0-12.5	SB12/13.0-13.5	TW1/10.0-10.5	TW2/9.5-10.0	TW2/17.0-17.5	TW2/22.0-22.5
Lab Sample ID:				JA81086-8A	JA81086-9A	JA80919-3A	JA80783-8A	JA80783-9A	JA80783-10A
Date Sampled:				07/15/11	07/15/11	07/14/11	07/13/11	07/13/11	07/13/11
Matrix:				Soil	Soil	Soil	Soil	Soil	Soil
Excavation Status:									
Antimony (mg/kg)	450	31	6	<2.4	<5.0	<7.3***	<2.3	<2.3	<2.3
Chromium (mg/kg)	120,000	N/A	N/A	17.8	32.1	21.4	24.3	16.6	27.9
Nickel (mg/kg)	23,000	1,600	205**	16	25.9	<15	10	14.4	14.5
Thallium (mg/kg)	79	5	3	<1.2	<2.5	<3.6***	<1.1	<1.1	<1.1
Vanadium (mg/kg)	1,100	390	N/A	19.8	37.6	24.5	28.3	26.2	30.3
Hexavalent Chromium (mg/kg)	20	N/A	N/A	<0.50	<10	8.3	<0.46	<0.47	<0.47

NOTES:

< - The analyte was not detected at the stated reporting limit.

** = Site-specific impact to groundwater criteria developed using SPLP methodology for Nickel;

SPLP = Synthetic Precipitation Leaching Procedure.

*** = Soil sample collected entirely below the water table; therefore, the IGWSSL does not apply.;

IGWSSL = Default Impact To Groundwater Soil Screening Level.

ft msl = feet mean sea level

ft bgs = feet below ground surface

mg/kg = milligram per kilogram

Additional chrome data reported in Tables 2J and 4J.

Result exceeded criteria

Table 2H
Historical Soil Samples
Site Investigation Borings (2011)
Complete Laboratory Analytical Summary Table PPG Site 63
1 Burma Road
Jersey City, NJ
2011- Sampled by TRC

Sample Location:	NJ Non-Residential Direct Contact Soil (NJAC 7:26D 5/12)	NJ Residential Direct Contact Soil (NJAC 7:26D 5/12)	NJ Default Impact to Groundwater Soil Screening (11/13)	TW 3		TW 4		MW 1	MW 2	MW 5/063_D003
Sample Depth (ft bgs):				10.5-11.0	12.0-12.5	9.0-9.5	14.0-14.5	8	12	11
Sample Elevation (ft msl):				-1.5-(-1)	-3-(-2.5)	2.2-2.7	-2.8-(-2.3)	-0.9	-3.7	-1.9
Client Sample ID:				TW3/10.5-11.0	TW3/12.0-12.5	TW4/9.0-9.5	TW4/14.0-14.5	MW-1/8	MW-2/12	MW-5/11
Lab Sample ID:				JA80783-2A	JA80783-3A	JA80919-10A	JA80919-11A	JA81094-2A	JA80569-2	JA80782-2A
Date Sampled:				07/13/11	07/13/11	07/14/11	07/14/11	07/15/11	07/11/11	07/13/11
Matrix:				Soil	Soil	Soil	Soil	Soil	Soil	Soil
Excavation Status:										
Antimony (mg/kg)	450	31	6	<2.3	<2.3	<2.2	<2.5	<2.3	<2.5	<2.3
Chromium (mg/kg)	120,000	N/A	N/A	28.6	26.9	21.2	21.8	15.6	30.4	29.7
Nickel (mg/kg)	23,000	1,600	205**	18.8	12.4	12.4	25	14.5	16.2	15
Thallium (mg/kg)	79	5	3	<1.1	<1.1	<1.1	<1.2	<1.2	<1.2	<1.2
Vanadium (mg/kg)	1,100	390	N/A	39.6	28.2	31.6	33.7	22.3	40.5	34.1
Hexavalent Chromium (mg/kg)	20	N/A	N/A	<0.47	<0.45	0.5	<0.48	<0.48	<0.50	1.1

NOTES:

< - The analyte was not detected at the stated reporting limit.

** = Site-specific impact to groundwater criteria developed using SPLP methodology for Nickel;

SPLP = Synthetic Precipitation Leaching Procedure.

*** = Soil sample collected entirely below the water table; therefore, the IGWSSL does not apply.;

IGWSSL = Default Impact To Groundwater Soil Screening Level.

ft msl = feet mean sea level

ft bgs = feet below ground surface

mg/kg = milligram per kilogram

Additional chrome data reported in Tables 2J and 4J.

Result exceeded criteria

TABLE 2I
Historical Soil Samples
Interim Remedial Action Report (1998-2000)
Analytical Laboratory Results for Remaining Soil
TEST BORING SOIL SAMPLE RESULTS GROUP 12
PPG Site 63, 1 Burma Road
Jersey City, New Jersey
Sampled by ICF Kaiser/IT Corporation

SAMPLE ID	Ground Surface Elevation (ft msl)	SAMPLE DEPTH (ft bgs)	SAMPLE ELEVATION (ft msl)	LOCATION	DATE	Chromium, Hexavalent (mg/kg)	Chromium, Total (mg/kg)
630807007	12.9	8.80-10.50	2.4-4.1	PPG12-B07	9/21/1998	5.7 U	55 J
630811006	12.8	14.00-14.20	-1.4-(-1.2)	PPG12-B11	1/7/1999	1.1 J	552
630812004	9.5	6.00-7.10	2.4-3.5	PPG12-B12	1/11/1999	0.79 J	1780
630812104	9.5	6.00-7.10	2.4-3.5	PPG12-B12	1/11/1999	0.39 U	464
630812005	9.5	8.00-8.90	0.6-1.5	PPG12-B12	1/11/1999	0.42 U	299
630812006	9.5	10.00-10.40	-0.9-(-0.5)	PPG12-B12	1/11/1999	0.5 U	2030
630812007	9.5	14.00-14.90	-5.4-(-4.5)	PPG12-B12	1/11/1999	0.84 J	39
630813005	10.0	8.00-8.50	1.5-2	PPG12-B13	1/8/1999	0.44 UJ	16
630817006	13.2	12.00-12.00*	1.2*	PPG12-B17	1/7/1999	1.6 J	152

Notes:

mg/kg= milligram/kilogram

ft msl = feet mean sea level

ft bgs= feet below ground surface

J = estimated value

U = not detected

* Sample Depth typo in original report, exact sample interval unknown.

Table 2J
 Site Investigation Borings (2016)
 Final Post-Remedial Summary Laboratory Analytical Data for Remaining Soil
 PPG Site 63
 1 Burma Road, Jersey City, NJ
 Sampled by CB&I

Sample Location:	NJ Non-Residential Direct Contact Soil (NJAC 7: 26D 5/12) ¹	NJ Residential Direct Contact Soil (NJAC 7: 26D 5/12) ¹	NJ Default Impact to Groundwater Soil Screening (11/13)	ED012-A	SB11-A		SB13-A			B73-A	SB5-A			
Sample Depth (ft bgs):				7.8-8.3	8.9-9.4	9.4-9.9	9.9-10.4	9-9.5	9.5-10	10-10.5	2.5-3	10.4-10.9	10.9-11.4	11.4-11.9
Sample Elevation (ft msl):				0.7-1.2	-0.4 - 0.1	-0.9 - (-0.4)	-1.4 - (-0.9)	-0.5- 0	-1 - (-0.5)	-1.5 - (-1.0)	5-5.5	-2.9 - (-2.4)	-3.4 - (-2.9)	-3.9 - (-3.4)
Client Sample ID:				ED012-A_7.8-8.3	SB11-A_8.9-9.4	SB11-A_9.4-9.9	SB11-A_9.9-10.4	SB13-A_9-9.5	SB13-A_9.5-10	SB13-A_10-10.5	B73-A_2.5-3.0	SB5-A_10.4-10.9	SB5-A_10.9-11.4	SB5-A_11.4-11.9
Lab Sample ID:	JC16626-1RA	JC16626-4RA	JC16626-5A	JC16626-6A	JC16626-7RA	JC16626-8A	JC16626-9A	JC16626-10RA	JC16626-13RA	JC16626-14A	JC16626-15A			
Date Sampled:	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/18/2016			
Matrix:	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Excavation Status:														

Metals Analysis

Chromium (mg/kg)	120,000	-	-	15.4 / 48.6	19.8 / 29.6	27.7	19.1	18.1 / 23.8	24.3	11.4	244 / 206	19.4 / 21.9	12.3	6
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General Chemistry

Chromium, Hexavalent (mg/kg) ^C	20	-	-	0.7	27.7 ^E	-	-	45.4 ^E	-	-	2	37.2 ^E	-	-
Chromium, Hexavalent (mg/kg) ^C	20	-	-	0.48	1.7	-	-	2.7	-	-	<0.48	1.6	-	-
Chromium, Hexavalent (mg/kg) ^D	20	-	-	0.86	<1.3	-	-	<1.5	-	-	<0.47	<1.3	-	-
pH (su)	-	-	-	9.08	6.94	-	-	7.46	-	-	7.76	7.6	-	-
Redox Potential Vs H2 (mv)	-	-	-	310	296	-	-	276	-	-	336	340	-	-
Solids, Percent (%)	-	-	-	90.8	32.1	-	-	26.5	-	-	84	30	-	-

Analytical Data Qualifiers:

- < - The analyte was not detected at the stated reporting limit.
- * - Duplicate analysis not within control limits; indeterminate bias direction.

- N -The matrix spike sample recovery in the associated QC sample is not within QC limits.
- R - The reported result is rejected.
- J- The result is estimated and may be biased low.

Footnotes:

- ^C 7196A sample methodology
- ^D 7199 sample methodology (Sample was homogenized before being run)
- ^E False positives (i.e., errant exceedances) for Cr6+ were reported for SB5, SB11, and SB13. The original Cr6+ results were suspect due to Cr6+ concentrations reported greater than total chrome. The laboratory re-homogenized the soil samples and collected new aliquots that were processed and analyzed both by EPA Method 7196A and EPA Method 7199 for confirmation of the Cr6+ concentrations. Total chrome was also re-analyzed to confirm the reported concentrations. Re-analysis of the samples confirmed Cr6+ is not present above the applicable criteria at these locations.

- ¹ NOTE: Soil Remediation Standards from June 2008 were incorporated in the May 2012 rule without change.
- ft bgs = feet below ground surface
- mg/kg = milligram per kilogram
- su = standard unit
- mv = millivolts

Result exceeded criteria

Table 2K
Supplemental Soil Investigation Sample Summary Table (2016)
Final Post-Remedial Summary Laboratory Analytical Data for Remaining Soil
PPG Site 63, 1 Burma Road,
Jersey City, NJ
Sampled by CB&I

Client Sample ID:	NJ Non-Residential Direct Contact Soil (NJAC 7: 26D 5/12) ¹	NJ Residential Direct Contact Soil (NJAC 7: 26D 5/12) ¹	NJ Default Impact to Groundwater Soil (11/13)	SWR001_2.5-3.0	SWR002_2.6-3.1	SWR003_2.5-3.0	SWR004_2.5-3.0	SWR005_2.5-3.0	SWR006_2.5-3.0	SWR007_2.5-3.0	DUP-1	SWR008_2.5-3.0	SWR009_1.0-1.5	SW010_1.0-1.5		
Sample Depth (ft bgs):				2.5-3.0	2.6-3.1	2.5-3.0	2.5-3.0	2.5-3.0	2.5-3.0	2.5-3.0	2.5-3.0	2.5-3.0	2.5-3.0	1.0-1.5	1.0-1.5	
Sample Elevation (ft msl):				8.5-9.0	7.4-7.9	6.4-6.9	6.1-6.6	6.2-6.7	6.3-6.8	6.4-6.9	6.4-6.9	6.4-6.9	6.4-6.9	8.5-9.0	9.2-9.7	8.4-8.9
Excavated																
Lab Sample ID:				JC31406-1/1A/1R	JC31406-4/4A/4R	JC31406-5/5A/5R	JC31406-7/7A/7R	JC31406-6/6A/6R	JC31406-8/8A/8R	JC31406-9/9A/9R	JC31406-11/11A/11R	JC31527-8/8A/8T	JC31607-8/8A/8R	JC31527-10/1A/10T		
Date Sampled:	11/9/2016	11/9/2016	11/9/2016	11/9/2016	11/9/2016	11/9/2016	11/9/2016	11/9/2016	11/9/2016	11/10/2016	11/11/2016	11/10/2016	11/10/2016			
Matrix:	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			

Metals Analysis

	mg/kg	450	31	6	<2.3 NJ-	<2.2 NJ-	<2.3 NJ-	<2.2 NJ-	<2.2 NJ-	<2.3 NJ-	<2.7 NJ-	<2.7 NJ-	<2.0 NJ-	30.3 NJ- ^f	4.8 NJ-
Antimony	mg/kg	120,000	-	-	47.6	22.9	56.1	96.2	59.2	19	13.8	13.2	33.4	124	130
Chromium	mg/kg	23,000	1,600	205**	13	51.9	22.2	14.2	23.6	12.9	13.4	13.1	16.5	83.6	104
Nickel	mg/kg	79	5	3	<1.2	<1.1	<1.2	<1.1	<1.1	<1.1	<1.3	<1.4	<0.98	<1.1	<2.1
Thallium	mg/kg	1,100	390	NA	27.9	24.2	34	32.3	39.5	26.7	17.7	17.6	28.2	44.9	46.5
Vanadium	mg/kg														

General Chemistry

	mg/kg	20	-	-	1.0 *NJ / 2.0 *NJ-	2.2 *NJ / <0.44 *NJ-	0.6 *NJ / <0.47 *NJ-	14.6 *NJ / 4.8 *NJ-	0.51 *NJ / 1.2 *NJ-	1.1 *NJ / 0.46 *NJ-	<0.55 *NJ / <0.55 *NJ-	<0.56 *NJ / 0.63 *NJ-	5.1 NJ- / 3.9	8.1 *NJ- / 2.6 NJ-	0.51 NJ- / 0.53
Chromium, Hexavalent	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron, Ferrous	%	-	-	-	8.2	8.29	7.72	8.51	7.96	8.26	7.95	7.59	7.98	7.67	8.05
pH ^a	su	-	-	-	508	524	517	538	515	550	561	568	526	539	528
Redox Potential Vs H2	mv	-	-	-	86	89.9	85.4	87	88.2	87.3	73.3	71.8	97	91.6	94.4
Solids, Percent	%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sulfide Screen		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Analytical Data Qualifiers:

< The analyte was analyzed for, but was not detected above the stated reporting limit.

* Duplicate analysis not within control limits; indeterminate bias direction.

J The reported result is an estimated value.

NJ The matrix spike sample recoveries in the associated QC sample are outside QC limits; the result is an estimated value with no definitive bias.

NJ- The matrix spike sample recoveries in the associated QC sample are below QC limits; the result is an estimated value with a potential low bias.

Footnotes:

^a Field analysis required. Received out of hold time and analyzed by request.

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^c The ferrous iron test was analyzed after completion of Cr⁺⁶ testing (outside of normal hold times for this parameter) in order to provide more information about the possible impact of the sample matrix on Cr⁺⁶ recoveries.

^d The sulfide screen test was analyzed after completion of Cr⁺⁶ testing (outside of normal hold times for this parameter) in order to provide more information about the possible impact of the sample matrix on Cr⁺⁶ recoveries.

^e Analysis done out of holding time.

^f Exceedance of Default Impact to Groundwater Soil Screening Level addressed by compliance averaging.

^g Detection limit in excess of Default Impact to Groundwater Soil Screening Level; however the sample was collected within the saturated zone.

¹ NOTE: Soil Remediation Standards from June 2008 were incorporated in the May 2012 rule without change.

** - Nickel site specific impact due to groundwater screen level method calculated using SPLP laboratory methods

ft msl = feet mean sea level

ft bgs = feet below ground surface

mg/kg = milligram per kilogram

su = standard unit

mv = millivolts

Result exceeded the most stringent criteria

Table 2K
Supplemental Soil Investigation Sample Summary Table (2016)
Final Post-Remedial Summary Laboratory Analytical Data for Remaining Soil
PPG Site 63, 1 Burma Road,
Jersey City, NJ
Sampled by CB&I

Client Sample ID:	NJ Non-Residential Direct Contact Soil (NJAC 7: 26D 5/12) ¹	NJ Residential Direct Contact Soil (NJAC 7: 26D 5/12) ¹	NJ Default Impact to Groundwater Soil (11/13)	SWR011_1.0-1.5	DUP-2	SWR013_1.0-1.5	SWR017_2.5-3.0	PPG63/65_SW25R2_4.3-4.8	PPG63/65_SW93_0.3-0.8	PPG63/65_SW119_1.6-2.1	BR001_4.2-4.7 (AD006)	BR002_3.5-4.0	BR003_8.1-8.6 (CD005)
Sample Depth (ft bgs):				1.0-1.5	1.0-1.5	1.0-1.5	2.5-3.0	4.3-4.8	0.3-0.8	1.6-2.1	4.2-4.7	3.5-4.0	8.1-8.6
Sample Elevation (ft msl):				7.2-7.7	7.2-7.7	8.8-9.3	5.3-5.8	4.5-5.0	10.5-11.0	8.5-9.0	3.0-3.5	5.0-5.5	-0.5 - 0
Excavated													
Lab Sample ID:				JC31527-11/11A/11T	JC31527-12/12A/12T	JC31607-9/9A/9R	JC31607-4/4A/4R	JC32217-11/1A/1R	JC31527-9/9A/9T	JC31406-3/3A/3R	JC31607-2/2A/2R	JC31607-1/1A/1R	JC31527-11/1A/1T
Date Sampled:	11/10/2016	11/10/2016	11/11/2016	11/11/2016	11/22/2016	11/10/2016	11/9/2016	11/11/2016	11/11/2016	11/10/2016			
Matrix:	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			

Metals Analysis

Element	Unit	SWR011_1.0-1.5	DUP-2	SWR013_1.0-1.5	SWR017_2.5-3.0	PPG63/65_SW25R2_4.3-4.8	PPG63/65_SW93_0.3-0.8	PPG63/65_SW119_1.6-2.1	BR001_4.2-4.7 (AD006)	BR002_3.5-4.0	BR003_8.1-8.6 (CD005)			
Antimony	mg/kg	450	31	6	3.9 NJ-	3.8 NJ-	<2.2 NJ-	<2.3 NJ-	<2.3 NJ-	<2.0 NJ-	<2.2 NJ-	5.9 NJ-	<2.3 NJ-	<6.8 NJ- ⁹
Chromium	mg/kg	120,000	-	-	174	122	305	40.1	185	36.7	30.3	25.8	467	2610
Nickel	mg/kg	23,000	1,600	205**	104	65.3	57	24.3	47.5	21.4	28.6	16.5	7.9	16.3
Thallium	mg/kg	79	5	3	<2.2	<2.1	<1.1	<1.1	<2.3	<1.0	<2.2 ^b	<1.1	<1.1	<1.1
Vanadium	mg/kg	1,100	390	NA	51.5	51.3	54.8	18.8	48.2	28.4	50.4	26.5	15.7	48.7

General Chemistry

Parameter	Unit	SWR011_1.0-1.5	DUP-2	SWR013_1.0-1.5	SWR017_2.5-3.0	PPG63/65_SW25R2_4.3-4.8	PPG63/65_SW93_0.3-0.8	PPG63/65_SW119_1.6-2.1	BR001_4.2-4.7 (AD006)	BR002_3.5-4.0	BR003_8.1-8.6 (CD005)			
Chromium, Hexavalent	mg/kg	20	-	-	<0.45 NJ- / 2.3	<0.45 NJ- / 3.7	1 *NJ- / <0.46 NJ-	<0.47 *NJ- / <0.47 NJ-	2.4 NJ - / 8.3 NJ-	1.3 NJ- / <0.42	1 *NJ / 0.72 *NJ-	<0.47 *NJ- / <0.47 NJ-	16.1 *NJ- / 15.2 NJ-	2.7 NJ- / 4
Iron, Ferrous	%	-	-	-	-	-	-	-	-	-	-	-	-	-
pH ^a	su	-	-	-	7.94	8.09	7.87	7.58	8.11	7.95	7.65	8.17	7.5	9.58
Redox Potential Vs H2	mv	-	-	-	540	540	541	531	520	530	514	536	534	537
Solids, Percent	%	-	-	-	88.4	89.7	87.1	85.6	83.9	95.9	86.1	84.4	84.8	85.9
Sulfide Screen		-	-	-	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon	mg/kg	-	-	-	-	-	-	-	135,000 J	-	-	-	-	-

Analytical Data Qualifiers:

< The analyte was analyzed for, but was not detected above the stated reporting limit.

* Duplicate analysis not within control limits; indeterminate bias direction.

J The reported result is an estimated value.

NJ The matrix spike sample recoveries in the associated QC sample are outside QC limits; the result is an estimated value with no definitive bias.

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Footnotes:

^a Field analysis required. Received out of hold time and analyzed by request.

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^c The ferrous iron test was analyzed after completion of Cr⁺⁶ testing (outside of normal hold times for this parameter) in order to provide more information about the possible impact of the sample matrix on Cr⁺⁶ recoveries.

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** - Nickel site specific impact due to groundwater screen level method calculated using SPLP laboratory methods

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Result exceeded the most stringent criteria

Table 2K
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Sample Depth (ft bgs):				7.3-7.8	4.7-5.2	4.4-4.9	4.1-4.6	6.7-7.2	3.3-3.8	1.9-2.4	1.5-2.0	1.0-1.5	1.0-1.5	0.5-1.0	1.0-1.5
Sample Elevation (ft msl):				0.5-1.0	4.1-4.6	4.0-4.5	4.0-4.5	2.8-3.3	6.0-6.5	8.0-8.5	10.4-10.9	11.4-11.9	10.9-11.4	10.4-10.9	10.9-11.4
Excavated															
Lab Sample ID:				JC31406-10/10A/10R	JC31607-6/6A/6R	JC31607-5/5A/5R	JC31607-3/3A/3R	JC31607-7/7A/7R	JC31527-7/7A/7T	JC31406-2/2A/2R/2T	JC31527-2/2A/2R	JC31527-3/3A/3R	JC31527-4/4A/4R	JC31527-5/5A/5R	JC31527-6/6A/6R/6RT
Date Sampled:	11/9/2016	11/11/2016	11/11/2016	11/11/2016	11/11/2016	11/10/2016	11/9/2016	11/10/2016	11/10/2016	11/10/2016	11/10/2016	11/10/2016			
Matrix:	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			

Metals Analysis

Element	Unit	450	31	6	<2.3 NJ-	<2.3 NJ-	<2.4 NJ-	<2.5 NJ-	<2.1 NJ-	<2.9 NJ-	<2.2 NJ-	<2.3 NJ-	<2.2 NJ-	<2.3 NJ-	<2.2 NJ-	<2.2 NJ-
Antimony	mg/kg	450	31	6	<2.3 NJ-	<2.3 NJ-	<2.4 NJ-	<2.5 NJ-	<2.1 NJ-	<2.9 NJ-	<2.2 NJ-	<2.3 NJ-	<2.2 NJ-	<2.3 NJ-	<2.2 NJ-	<2.2 NJ-
Chromium	mg/kg	120,000	-	-	26.4	19.1	19.8	17	354	262	71.2	40.9	30.5	44.6	51.9	40.3
Nickel	mg/kg	23,000	1,600	205**	14.9	14.3	14.4	16.1	32	34	15.2	16.9	18.3	17.5	21.2	17.5
Thallium	mg/kg	79	5	3	<1.2	<1.2	<1.2	<1.2	<2.1	<1.4	<1.1	<1.1	<1.1	<1.2	<1.1	<1.1
Vanadium	mg/kg	1,100	390	NA	27	27.1	21.3	25.8	46.6	65.9	19.7	37.3	33.6	38.9	42.9	38.3

General Chemistry

Parameter	Unit	20	-	-	0.47 *NJ / 0.64 *NJ-	<0.48 *NJ- / <0.48 NJ-	1.7 *NJ- / <0.48 NJ-	<0.50 *NJ- / <0.50 NJ-	10.4 *NJ- / 17.6 NJ-	1 NJ- / 4.5	4.1 *NJ / 4.5 *NJ-	5.2 NJ- / 2 NJ-	1.7 NJ- / 2.5 NJ-	3.5 NJ- / 2.3 NJ-	6.5 NJ- / 4.3 NJ-	4.6 NJ- / 4.7 NJ-
Chromium, Hexavalent	mg/kg	20	-	-	0.47 *NJ / 0.64 *NJ-	<0.48 *NJ- / <0.48 NJ-	1.7 *NJ- / <0.48 NJ-	<0.50 *NJ- / <0.50 NJ-	10.4 *NJ- / 17.6 NJ-	1 NJ- / 4.5	4.1 *NJ / 4.5 *NJ-	5.2 NJ- / 2 NJ-	1.7 NJ- / 2.5 NJ-	3.5 NJ- / 2.3 NJ-	6.5 NJ- / 4.3 NJ-	4.6 NJ- / 4.7 NJ-
Iron, Ferrous	%	-	-	-	-	-	1.3 ^c	-	-	-	0.96 ^c	-	-	-	-	0.59 ^c
pH ^a	su	-	-	-	8	8.14	8.18	7.88	8.17	7.62	8.45	8.39	8.78	8.6	8.9	8.85
Redox Potential Vs H2	mv	-	-	-	520	543	546	540	545	267	541	262	265	264	269	276
Solids, Percent	%	-	-	-	84.8	84.2	83.5	80.3	90.4	68.6	87.4	84.7	86.2	84.1	86.3	86.8
Sulfide Screen		-	-	-	-	-	NEGATIVE ^d	-	-	-	NEGATIVE ^d	-	-	-	-	NEGATIVE ^d
Total Organic Carbon	mg/kg	-	-	-	-	-	11,800 ^e J	-	-	-	11,200 ^e J	-	-	-	-	11,300 ^e J

Analytical Data Qualifiers:

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