

Appendix C

Analytical Summary Tables April 2013 RIR Tetra Tech

Table 1

Soil Boring Characteristics

Sites 63 and 65 Remedial Investigation Report
PPG Industries, Inc.
Jersey City, New Jersey

Page 1 of 3

Soil Boring	NORTHING	EASTING	ELEVATION (feet)	END OF BORING (feet below ground surface)	CORRESPONDING MONITORING WELL	TOP OF SAMPLING DEPTH (feet below ground surface)
065_A005	680270.15	612247.07	7.66	20.00		0.0, 5.0, 10.0, 15.0, 17.5
065_A006	680318.64	612281.89	7.32	20.00		0.0, 3.8, 8.2, 11.7, 15.0
065_A007	680367.27	612315.45	7.39	20.00		0.0, 3.1, 6.9, 11.0, 15.0
065_A008	680415.57	612353.25	7.55	20.00		0.0, 5.0, 7.0, 10.4, 15.0,
065_A009	680464.40	612387.93	7.51	20.00		0.0, 2.0, 6.0, 15.0
065_A010	680506.16	612419.08	7.48	20.00		0.0, 5.0, 15.0
065_A010SS	680516.66	612431.43	7.85			
065_A011	680562.19	612457.74	7.61	20.00		0.0, 5.0, 10.0, 5.0, 18.5
065_A012	680610.85	612492.69	7.71	20.00		0.0, 5.0, 10.0, 15.0, 18.5
065_A013	680660.86	612526.15	6.65	20.00		0.0, 5.0, 10.0, 15.0, 17.0
065_A014	680707.79	612563.55	6.87	20.00		0.0, 1.5, 5.5, 10.2, 15.0, 16.7
065_A015	680753.52	612597.35	6.60	20.00		0.0, 5.0, 10.3, 15.0, 19.0
063_B003	680218.26	612125.07	8.41	20.00		0.0, 0.5, 1.0, 5.0, 6.9, 11.0, 15.0
063_B004	680247.00	612181.67	8.61	20.00		0.0, 3.0, 10.0, 15.0
063_B004A	680279.64	612172.70	8.53	20.00		0.0, 0.5, 1.2, 5.0, 8.1, 12.0, 16.0
063_B005	680294.04	612214.03	7.59	37.2*		1.3, 3.3, 11.4, 15.5, 20.0
063_B006	680339.73	612252.84	7.14	20.00	063_MW01	1.0, 1.5, 2.0, 6.5, 10.0, 12.2
063_B006A	680330.37	612242.15	7.38	35.00	063_MW08	0.5, 1.0, 1.5, 9.0, 13.0, 17.0
063_B007	680387.13	612289.51	7.51	28*		1.0, 5.0, 7.1, 11.1, 15.0
063_B008	680434.86	612326.24	8.18	20.00		1.0, 1.7, 2.2, 6.5, 10.5, 12.8, 16.5
063_B009	680482.40	612362.97	8.28	20.00	063_MW02	0.0, 0.5, 1.7, 9.3, 13.0
063_B010	680528.86	612395.74	8.35	20.00		0.0, 1.5, 3.0, 5.0, 7.3, 11.0, 15.0

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063_B010A	680553.84	612383.15	8.25	20.00		0.0, 5.0, 7.5, 11.5, 15.0
063_B011	680577.23	612436.45	7.72	20.00		0.0, 0.5, 5.0, 10.0, 15.0, 18.0
063_B012	680625.63	612474.12	7.24	20.00	063_MW03	0.0, 5.0, 10.0, 15.0, 17.0
063_B013	680672.39	612509.81	8.90	20.00		0.0, 1.0, 3.0, 5.0, 10.0, 15.0
063_B014	680721.33	612551.34	8.46	42*		0.0, 1.25, 2.25, 3.0, 7.0, 11.2, 15.0, 20.0
063_B015	680765.28	612581.64	7.08	20.00	063_MW04	0.0, 4.0, 7.3, 10.5, 15.0, 17.3
063_C003	680238.40	612097.79	8.42	20.00		0.0, 0.5, 5.0, 6.7, 10.5, 15.0
063_C004	680279.67	612130.59	8.54	20.00		0.2, 0.7, 1.2, 5.7, 10.0, 15.0
063_C004A	680283.71	612136.07	8.54	20.00		0.2, 0.7, 6.7, 11.0, 15.0
063_C005	680327.05	612169.63	7.42	20.00		1.0, 2.0, 2.5, 7.5, 11.5, 15.5
063_C006	680379.66	612201.59	7.92	18*		1.0, 1.75, 2.25, 6.5, 7.5, 11.5, 15.5
063_C007	680422.21	612242.84	7.88	20.00		1.0, 2.3, 2.8, 7.5, 12.0, 16.0
063_C008	680469.83	612277.57	8.06	20.00		1.0, 5.0, 6.7, 11.0, 15.0
063_C009	680517.23	612314.16	8.45	20.00		1.0, 5.0, 6.5, 14.0
063_C009A	680559.79	612312.58	9.14	20.00		0.0, 6.4, 10.0, 15.0
063_C010	680564.74	612350.92	8.07	20.00		0.0, 0.7, 1.2, 6.4, 10.5, 15.0
063_C011	680612.16	612387.50	7.73	35*		0.4, 0.9, 1.4, 5.0, 6.7, 10.5, 15.0
063_C012				20.00		0.0, 6.4, 10.5, 15.8
063_C013	680662.77	612497.5	7.51	25.00		0.0, 0.5, 5.0, 10.0, 15.0, 20.0
063_C014	680727.18	612544.9	-	25.00		0.0, 0.5, 1.5, 5.0, 12.0, 15.0, 20.0
063_D002	680226.35	612069	9.42	20.00		0.0, 7.0, 11.0, 15.0
063_D003	680267.08	612045.11	9.09	20.00	063_MW05	0.0, 3.8, 6.7, 13.0, 17.0

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063_D004	680314.67	612081.80	8.63	35.00		0.0, 0.5, 1.0, 5.0, 6.7, 10.5, 15.0
063_D005	680362.33	612118.30	8.64	20.00		0.0, 0.8, 1.3, 1.8, 6.0, 10.0, 15.0
063_D006	680399.86	612168.87	8.03	17*	063_MW06	1.0, 5.0, 6.5, 10.0, 15.0
063_D007	680453.12	612195.85	8.20	20.00		0.0, 5.7, 10.0, 15.0
063_D008	680507.64	612227.34	8.14	20.00		0.0, 5.0, 10.0, 15.0
063_D009	680542.45	612279.02	8.64	20.00	063_MW07	1.5, 5.0, 10.0, 13.2,
063_D010	680597.14	612305.20	8.30	20.00		0.0, 0.5, 5.1, 10.0, 15.0
063_D011				20.00		0.0, 5.0, 7.0, 11.0, 15.0
063_E003	680303.09	612005.56	10.31	20.00		0.0, 5.0, 6.0, 10.0, 15.0
063_E004	680336.05	612042.52	13.93	20.00		0.0, 6.5, 11.0, 15.0, 18.3
063_E005	680382.31	612090.80	9.25	20.00		0.0, 0.5, 6.0, 10.0, 15.0
063_E005CB	680400.90	612087.07	6.80			
063_E006	680426.56	612134.79	8.88	20.00		0.0, 6.0, 10.0, 15.0
063_E007	680466.49	612176.61	8.14	20.00		0.0, 5.0, 10.0, 15.0
063_E008	680521.60	612205.15	12.82			
063_F010	680618.02	612315.69	-	25.00		0.0, 5.0, 10.0, 15.0, 20.0
063_Z002	680212.13	612118.15	8.36	20.00	063_MW10	0.0, 8.5, 12.0, 16.5,
063_Z005	680283.26	612256.40	7.54	25.00	063_MW11	0.5, 5.0, 10.0, 15.0, 20.0,
063_Z009	680422.64	612382.46	7.95	25.00		0.5, 5.0, 10.0, 15.0, 20.0
063_Z011	680527.62	612458.86	7.60	25.00		0.0, 5.0, 10.5, 15.0, 20.0
063_Z013	680677.47	612563.03	6.31	25.00		1.5, 5.5, 10.0, 15.0, 20.0

* = refusal

Table 5

Positive Hits Table for Soil Samples
Initial Investigation

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LOCATION SAMPLE ID SAMPLE_DATE TOP OF SAMPLE	MINIMUM STANDARD/ SCREENING LEVEL	STANDARD/ SCREENING LEVEL SOURCE	065_A005						065_A006					
			065_A005_0.0 20110801 0	065_A005_5.0 20110801 5	065_A005_5.0-D 20110801 5	065_A005_10.0 20110801 10	065_A005_15.0 20110801 15	065_A005_17.5 20110801 17.5	065_A006_0.0 20110801 0	065_A006_3.8 20110801 3.8	065_A006_8.2 20110801 8.2	065_A006_11.7 20110801 11.7	065_A006_11.7-D 20110801 11.7	065_A006_15.0 20110801 15
Metals (MG/KG)														
ANTIMONY	6* / 31	IGW SSL* / RDC SRS	0.97 UJ	1.4 UJ	5.7 UJ	1.1 UJ	0.99 UJ	0.99 UJ	9 UJ	5.1 UJ	12.7 UJ	1.1 UJ	1.1 UJ	1 UJ
CHROMIUM	120000	CrSCC	1000	7060	9090	206	92.1	18	4490 J	7640	12400	18.3	21.1	100
NICKEL	31* / 1600	IGW SSL* / RDC SRS	63.6	14.4	18.5 J	11.6	12.6	10.9	47.2	21.1 J	22.7 J	7.7 J	7.4 J	7.7 J
THALLIUM	3* / 5	IGW SSL* / RDC SRS	1.1 U	1.6 U	6.3 U	1.2 U	1.1 U	1.1 U	0.99 U	2.8 U	5.6 U	1.2 U	1.2 U	1.1 U
VANADIUM	78	RDC SRS	81.9	40.2	52.4 J	32.8	20.9	18.2	79.6	28.9 J	52.8 J	27.3	29.7	20.8
Miscellaneous Parameters (MG/KG)														
HEXAVALENT CHROMIUM	20	CrSCC	1.3 J	0.66 U	0.75 J	0.69 U	0.59 U	0.56 U	12.6	12.9	4.2	0.62 U	0.65 U	0.61 U
Miscellaneous Parameters (MV)														
OXIDATION REDUCTION POTENTIAL	NC	NA	332	201	213	338	381	481	260	224	214	332	337	344
Miscellaneous Parameters (S.U.)														
PH	NC	NA	8.49	10.4	10.3	8.92	8.26	7.99	11.5	11.3	11.7	7.75	7.73	7.91

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EXCEEDS MINIMUM SOIL REMEDIATION
STANDARD/SCREENING LEVEL

NON-DETECTION EXCEEDS MINIMUM SOIL
REMEDIATION STANDARD/SCREENING LEVEL

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			065_A007_0.0 20110801 0	065_A007_3.1 20110801 3.1	065_A007_6.9 20110801 6.9	065_A007_6.9-D 20110801 6.9	065_A007_11.0 20110801 11	065_A007_15.0 20110801 15	065_A008_0.0 20110801 0	065_A008_5.0 20110801 5	065_A008_5.0-D 20110801 5	065_A008_7.0 20110801 7	065_A008_10.4 20110801 10.4	065_A008_15.0 20110801 15
Metals (MG/KG)														
ANTIMONY	6* / 31	IGW SSL* / RDC SRS	10.6 UJ	10.5 UJ	9.2 J	10.6 J	3.5 UJ	1 UJ	6.1 J	3.2 J	4.4 J	3.1 J	1.4 UJ	1 UJ
CHROMIUM	120000	CrSCC	5050 J	5990 J	50.9 J	44 J	23.1 J	23.4	3830	1490 J	1970 J	1510 J	490 J	30.8 J
NICKEL	31* / 1600	IGW SSL* / RDC SRS	50.3	16.2	17.3	19.8	8.8 J	8.8 J	54	7.7 J	6.9 J	14.3	14.9	9.9
THALLIUM	3* / 5	IGW SSL* / RDC SRS	1.2 U	1.2 U	1.3 U	1.2 U	3.8 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.6 U	1.1 U
VANADIUM	78	RDC SRS	75.9	58.6	27.8	42.1	21.1 J	24.4	83.1	16.2	15.2	30	24.1	26.7
Miscellaneous Parameters (MG/KG)														
HEXAVALENT CHROMIUM	20	CrSCC	10.1	9.6	0.66 U	0.67 U	2 U	0.6 U	2.4 J	5.5	6.7	9.5	0.84 U	0.58 U
Miscellaneous Parameters (MV)														
OXIDATION REDUCTION POTENTIAL	NC	NA	365	282	218	137	454	428	347	376	355	340	387	450
Miscellaneous Parameters (S.U.)														
PH	NC	NA	9.43	10.5	9.57	9.65	7.96	8.38	10.4	10.3	10.4	10	8.37	7.94

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LOCATION SAMPLE ID SAMPLE DATE TOP OF SAMPLE	MINIMUM STANDARD/ SCREENING LEVEL	STANDARD/ SCREENING LEVEL SOURCE	065_A009					065_A010				
			065_A009_0.0 20110801 0	065_A009_2.5 20110801 2.5	065_A009_2.5-D 20110801 2.5	065_A009_6.0 20110801 6	065_A009_15.0 20110801 15	065_A010_0.3 20110801 0.3	065_A010_5.0 20110801 5	065_A010_15.0 20110801 15	065_A010_15.0-D 20110801 15	
Metals (MG/KG)												
ANTIMONY	6* / 31	IGW SSL* / RDC SRS	2.4 UJ	1 UJ	1 UJ	6.1 J	0.9 UJ	0.93 UJ	2.6 UJ	0.93 UJ	0.98 UJ	
CHROMIUM	120000	CrSCC	2240	73.7	67.3	23.2	95.9	472	51.1	32.6	34.6	
NICKEL	31* / 1600	IGW SSL* / RDC SRS	44.6	10.1	11	11.3	17.7	26.5	26.1	12.3	15.6	
THALLIUM	3* / 5	IGW SSL* / RDC SRS	1.1 U	1.1 U	1.1 U	1.1 U	0.99 U	1 U	2.8 U	1 U	1.1 U	
VANADIUM	78	RDC SRS	110	13.7	16.7	7.9 J	38.5	45.1	19.3 J	28.8	34.3	
Miscellaneous Parameters (MG/KG)												
HEXAVALENT CHROMIUM	20	CrSCC	0.58 U	0.57 U	0.58 U	0.6 U	0.55 U	1.6 J	0.58 U	0.53 U	0.54 U	
Miscellaneous Parameters (MV)												
OXIDATION REDUCTION POTENTIAL	NC	NA	478	467	467	410	398	378	398	382	390	
Miscellaneous Parameters (S.U.)												
PH	NC	NA	7.7	8.2	8.25	8.01	8.75	9.35	8.06	9.16	9.04	

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			065_A011_0.0 20110728	065_A011_5.0 20110728	065_A011_10.0 20110728	065_A011_15.0 20110728	065_A011_18.0 20110728	065_A012_0.0 20110801	065_A012_5.0 20110801	065_A012_10.0 20110801	065_A012_10.0-D 20110801	065_A012_15.0 20110801	065_A012_18.5 20110801
Metals (MG/KG)													
ANTIMONY	6* / 31	IGW SSL* / RDC SRS	3 J	3.1 J	1.1 UJ	0.97 UJ	0.91 UJ	1 UJ	0.99 UJ	1.7 UJ	1.7 UJ	0.99 UJ	1 UJ
CHROMIUM	120000	CrSCC	647	31.2	13.7 J	14.1 J	20.9 J	549	21.8	243 J	121 J	50.1	14.2
NICKEL	31* / 1600	IGW SSL* / RDC SRS	49.4	14.4	12.1	9.3	16	43.3	13.1	24.7	23.1	7.2 J	13.7
THALLIUM	3* / 5	IGW SSL* / RDC SRS	0.99 U	1.1 U	1.2 U	1.1 U	1 U	1.1 U	1.1 U	1.8 U	1.9 U	1.1 U	1.1 U
VANADIUM	78	RDC SRS	79	23.4	20.7	21.2	32.6	54.7	28.3	33.2	33.1	19.7	20.5
Miscellaneous Parameters (MG/KG)													
HEXAVALENT CHROMIUM	20	CrSCC	4.3	0.58 U	0.59 U	0.58 U	0.55 U	8.9	0.55 U	0.99 U	1 U	0.58 U	0.59 U
Miscellaneous Parameters (MV)													
OXIDATION REDUCTION POTENTIAL	NC	NA	469	430	449	428	430	492	449	452	442	433	428
Miscellaneous Parameters (S.U.)													
PH	NC	NA	8.3	8.26	7.29	8.32	8.97	7.5	8.32	7.79	7.83	7.84	8.49

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LOCATION SAMPLE ID SAMPLE_DATE TOP OF SAMPLE	MINIMUM STANDARD/ SCREENING LEVEL	STANDARD/ SCREENING LEVEL SOURCE	065_A013						065_A014							
			065_A013_0.0 20110728	065_A013_0.5 20110728	065_A013_5.0 20110728	065_A013_10.0 20110728	065_A013_15.5 20110728	065_A013_17.0 20110728	065_A014_0.0 20110801	065_A014_0.5 20110801	065_A014_1.5 20110801	065_A014_5.5 20110801	065_A014_10.0 20110801	065_A014_10.0-D 20110801	065_A014_15.0 20110801	065_A014_16.7 20110801
Metals (MG/KG)																
ANTIMONY	6* / 31	IGW SSL* / RDC SRS	9 UJ	7.3 J	1.9 J	4.3 J	3.2 UJ	0.96 UJ	1.6 J	2 J	1.8 J	1.3 J	6 J	5.9 J	2.4 UJ	1.1 UJ
CHROMIUM	120000	CrSCC	2330	749	22.3	11.3	13.3 J	17.1	409	206	34.6	747	22	25	221	3.6
NICKEL	31* / 1600	IGW SSL* / RDC SRS	96.9	28.8	12.5	19.1	13.9 J	13.2	43.3	30.6	20.1	15.2	18.6	15.1	26.7	1.5 J
THALLIUM	3* / 5	IGW SSL* / RDC SRS	0.99 U	1 U	1.1 U	1.4 U	3.5 UJ	1.1 U	0.98 U	1 U	1 U	1.2 U	1.5 U	1.5 U	2.6 U	1.2 U
VANADIUM	78	RDC SRS	135	84.2	14.4	14.5	18.4 J	24.8	63.9	47.9	28.6	14.6	17.4	15.7	35.2	7.6 J
Miscellaneous Parameters (MG/KG)																
HEXAVALENT CHROMIUM	20	CrSCC	7.6	7.8	0.59 U	0.72 U	2 U	0.57 U	2.8 J	0.96 J	0.54 UJ	0.66 J	0.76 UJ	0.74 UJ	1.3 UJ	0.64 UJ
Miscellaneous Parameters (MV)																
OXIDATION REDUCTION POTENTIAL	NC	NA	555	573	479	411	374	404	413	451	391	375	348	351	347	368
Miscellaneous Parameters (S.U.)																
PH	NC	NA	8.45	8.28	8.3	8.01	7.76	7.03	7.98	8.2	9.59	8.18	7.75	7.71	7.71	7.2

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 RDC SRS = RESIDENTIAL DIRECT CONTACT SOIL REMEDIATION STANDARD
 CrSCC = NJDEP CHROMIUM SOIL CLEANUP CRITERIA (FEB 2007/SEPT 2008)
 *IGW SSL APPLIES ONLY TO SATURATED ZONE
 NC = NO CRITERIA
 NA = NOT APPLICABLE
 EXCEEDS MINIMUM SOIL REMEDIATION
 STANDARD/SCREENING LEVEL
 NON-DETECTION EXCEEDS MINIMUM SOIL
 REMEDIATION STANDARD/SCREENING LEVEL

Table 5

Positive Hits Table for Soil Samples
Initial Investigation

Sites 63 and 65 Remedial Investigation Report
PPG Industries, Inc.
Jersey City, New Jersey

LOCATION SAMPLE ID SAMPLE DATE TOP OF SAMPLE	MINIMUM STANDARD/ SCREENING LEVEL	STANDARD/ SCREENING LEVEL SOURCE	065_A015					
			065_A015_0.0 20110801 0	065_A015_5.0 20110801 5	065_A015_10.3 20110801 10.3	065_A015_10.3-D 20110801 10.3	065_A015_15.0 20110801 15	065_A015_19.0 20110801 19
Metals (MG/KG)								
ANTIMONY	6* / 31	IGW SSL* / RDC SRS	1.7 J	1 UJ	1.9 J	2 J	2.8 UJ	1 UJ
CHROMIUM	120000	CrSCC	132	91.4	17.4 J	34.8 J	25.1 J	15.4
NICKEL	31* / 1600	IGW SSL* / RDC SRS	33.4	13.8	11.8 J	16.4	18.3 J	13.9
THALLIUM	3* / 5	IGW SSL* / RDC SRS	1 U	1.2 U	1.8 U	1.8 U	3.1 U	1.1 U
VANADIUM	78	RDC SRS	44.6	13.6	13.7 J	18.6	29.5 J	25.6
Miscellaneous Parameters (MG/KG)								
HEXAVALENT CHROMIUM	20	CrSCC	0.51 UJ	3.2 J	0.91 UJ	0.95 UJ	1.6 UJ	0.61 UJ
Miscellaneous Parameters (MV)								
OXIDATION REDUCTION POTENTIAL	NC	NA	363	439	391	371	457	355
Miscellaneous Parameters (S.U.)								
PH	NC	NA	8.67	8.03	7.63	7.6	7.67	7.76

U = NON DETECT
 J = ESTIMATED
 IGW SSL = DEFAULT IMPACT TO GROUNDWATER SOIL SCREENING LEVEL
 RDC SRS = RESIDENTIAL DIRECT CONTACT SOIL REMEDIATION STANDARD
 CrSCC = NJDEP CHROMIUM SOIL CLEANUP CRITERIA (FEB 2007/SEPT 2008)
 *IGW SSL APPLIES ONLY TO SATURATED ZONE
 NC = NO CRITERIA
 NA = NOT APPLICABLE
 EXCEEDS MINIMUM SOIL REMEDIATION
 STANDARD/SCREENING LEVEL
 NON-DETECTION EXCEEDS MINIMUM SOIL
 REMEDIATION STANDARD/SCREENING LEVEL

Table 5A

Table of Exceedances for Soil Samples
Initial Investigation
Residential Direct Contact Soil Remediation Standards

Site 63 and 65 Remedial Investigation Report
PPG Industries, Inc.
Jersey City, New Jersey

LOCATION SAMPLE ID SAMPLE_DATE TOP OF SAMPLE	RDC SRS	065_A005						065_A006					
		065_A005_0.0 20110801	065_A005_5.0 20110801	065_A005_5.0-D 20110801	065_A005_10.0 20110801	065_A005_15.0 20110801	065_A005_17.5 20110801	065_A006_0.0 20110801	065_A006_3.8 20110801	065_A006_8.2 20110801	065_A006_11.7 20110801	065_A006_11.7-D 20110801	065_A006_15.0 20110801
Metals (MG/KG)													
ANTIMONY	31	0.97 UJ	1.4 UJ	5.7 UJ	1.1 UJ	0.99 UJ	0.99 UJ	9 UJ	5.1 UJ	12.7 UJ	1.1 UJ	1.1 UJ	1 UJ
CHROMIUM*	120000	1000	7060	9090	206	92.1	18	4490 J	7640	12400	18.3	21.1	100
NICKEL	1600	63.6	14.4	18.5 J	11.6	12.6	10.9	47.2	21.1 J	22.7 J	7.7 J	7.4 J	7.7 J
THALLIUM	5	1.1 U	1.6 U	6.3 U	1.2 U	1.1 U	1.1 U	0.99 U	2.8 U	5.6 U	1.2 U	1.2 U	1.1 U
VANADIUM	78	81.9	40.2	52.4 J	32.8	20.9	18.2	79.6	28.9 J	52.8 J	27.3	29.7	20.8
Miscellaneous Parameters (MG/KG)													
HEXAVALENT CHROMIUM*	20	1.3 J	0.66 U	0.75 J	0.69 U	0.59 U	0.56 U	12.6	12.9	4.2	0.62 U	0.65 U	0.61 U
Miscellaneous Parameters (MV)													
OXIDATION REDUCTION POTENTIAL	NC	332	201	213	338	381	481	260	224	214	332	337	344
Miscellaneous Parameters (S.U.)													
PH	NC	8.49	10.4	10.3	8.92	8.26	7.99	11.5	11.3	11.7	7.75	7.73	7.91

NA=NOT APPLICABLE
NC=NO CRITERIA
U = NON DETECT
J = ESTIMATED

RDC SRS = RESIDENTIAL DIRECT CONTACT SOIL
REMEDIAION STANDARD

*CrSCC = NJDEP CHROMIUM SOIL CLEANUP
CRITERIA (FEB 2007/SEPT 2008)

EXCEEDS RDC SRS
NON-DETECTION EXCEEDS RDC SRS

Table 5A
 Table of Exceedances for Soil Samples
 Initial Investigation
 Residential Direct Contact Soil Remediation Standards
 Site 63 and 65 Remedial Investigation Report
 PPG Industries, Inc.
 Jersey City, New Jersey

LOCATION SAMPLE ID SAMPLE_DATE TOP OF SAMPLE	RDC SRS	065_A007						065_A008					
		065_A007_0.0 20110801 0	065_A007_3.1 20110801 3.1	065_A007_6.9 20110801 6.9	065_A007_6.9-D 20110801 6.9	065_A007_11.0 20110801 11	065_A007_15.0 20110801 15	065_A008_0.0 20110801 0	065_A008_5.0 20110801 5	065_A008_5.0-D 20110801 5	065_A008_7.0 20110801 7	065_A008_10.4 20110801 10.4	065_A008_15.0 20110801 15
Metals (MG/KG)													
ANTIMONY	31	10.6 UJ	10.5 UJ	9.2 J	10.6 J	3.5 UJ	1 UJ	6.1 J	3.2 J	4.4 J	3.1 J	1.4 UJ	1 UJ
CHROMIUM*	120000	5050 J	5990 J	50.9 J	44 J	23.1 J	23.4	3830	1490 J	1970 J	1510 J	490 J	30.8 J
NICKEL	1600	50.3	16.2	17.3	19.8	8.8 J	8.8 J	54	7.7 J	6.9 J	14.3	14.9	9.9
THALLIUM	5	1.2 U	1.2 U	1.3 U	1.2 U	3.8 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.6 U	1.1 U
VANADIUM	78	75.9	58.6	27.8	42.1	21.1 J	24.4	83.1	16.2	15.2	30	24.1	26.7
Miscellaneous Parameters (MG/KG)													
HEXAVALENT CHROMIUM*	20	10.1	9.6	0.66 U	0.67 U	2 U	0.6 U	2.4 J	5.5	6.7	9.5	0.84 U	0.58 U
Miscellaneous Parameters (MV)													
OXIDATION REDUCTION POTENTIAL	NC	365	282	218	137	454	428	347	376	355	340	387	450
Miscellaneous Parameters (S.U.)													
PH	NC	9.43	10.5	9.57	9.65	7.96	8.38	10.4	10.3	10.4	10	8.37	7.94

NA=NOT APPLICABLE
 NC=NO CRITERIA
 U = NON DETECT
 J = ESTIMATED

RDC SRS = RESIDENTIAL DIRECT CONTACT SOIL
 REMEDIATION STANDARD

*CrSCC = NJDEP CHROMIUM SOIL CLEANUP
 CRITERIA (FEB 2007/SEPT 2008)

EXCEEDS RDC SRS
 NON-DETECTION EXCEEDS RDC SRS

Table 5A

Table of Exceedances for Soil Samples
Initial Investigation
Residential Direct Contact Soil Remediation Standards

Site 63 and 65 Remedial Investigation Report
PPG Industries, Inc.
Jersey City, New Jersey

LOCATION SAMPLE ID SAMPLE_DATE TOP OF SAMPLE	RDC SRS	065_A009					065_A010			
		065_A009_0.0 20110801 0	065_A009_2.5 20110801 2.5	065_A009_2.5-D 20110801 2.5	065_A009_6.0 20110801 6	065_A009_15.0 20110801 15	065_A010_0.3 20110801 0.3	065_A010_5.0 20110801 5	065_A010_15.0 20110801 15	065_A010_15.0-D 20110801 15
Metals (MG/KG)										
ANTIMONY	31	2.4 UJ	1 UJ	1 UJ	6.1 J	0.9 UJ	0.93 UJ	2.6 UJ	0.93 UJ	0.98 UJ
CHROMIUM*	120000	2240	73.7	67.3	23.2	95.9	472	51.1	32.6	34.6
NICKEL	1600	44.6	10.1	11	11.3	17.7	26.5	26.1	12.3	15.6
THALLIUM	5	1.1 U	1.1 U	1.1 U	1.1 U	0.99 U	1 U	2.8 U	1 U	1.1 U
VANADIUM	78	110	13.7	16.7	7.9 J	38.5	45.1	19.3 J	28.8	34.3
Miscellaneous Parameters (MG/KG)										
HEXAVALENT CHROMIUM*	20	0.58 U	0.57 U	0.58 U	0.6 U	0.55 U	1.6 J	0.58 U	0.53 U	0.54 U
Miscellaneous Parameters (MV)										
OXIDATION REDUCTION POTENTIAL	NC	478	467	467	410	398	378	398	382	390
Miscellaneous Parameters (S.U.)										
PH	NC	7.7	8.2	8.25	8.01	8.75	9.35	8.06	9.16	9.04

NA=NOT APPLICABLE
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RDC SRS = RESIDENTIAL DIRECT CONTACT SOIL
REMEDIAION STANDARD

*CrSCC = NJDEP CHROMIUM SOIL CLEANUP
CRITERIA (FEB 2007/SEPT 2008)

EXCEEDS RDC SRS
NON-DETECTION EXCEEDS RDC SRS

Table 5A

Table of Exceedances for Soil Samples
Initial Investigation
Residential Direct Contact Soil Remediation Standards

Site 63 and 65 Remedial Investigation Report
PPG Industries, Inc.
Jersey City, New Jersey

LOCATION SAMPLE ID SAMPLE_DATE TOP OF SAMPLE	RDC SRS	065_A011					065_A012					
		065_A011_0.0 20110728	065_A011_5.0 20110728	065_A011_10.0 20110728	065_A011_15.0 20110728	065_A011_18.0 20110728	065_A012_0.0 20110801	065_A012_5.0 20110801	065_A012_10.0 20110801	065_A012_10.0-D 20110801	065_A012_15.0 20110801	065_A012_18.5 20110801
Metals (MG/KG)												
ANTIMONY	31	3 J	3.1 J	1.1 UJ	0.97 UJ	0.91 UJ	1 UJ	0.99 UJ	1.7 UJ	1.7 UJ	0.99 UJ	1 UJ
CHROMIUM*	120000	647	31.2	13.7 J	14.1 J	20.9 J	549	21.8	243 J	121 J	50.1	14.2
NICKEL	1600	49.4	14.4	12.1	9.3	16	43.3	13.1	24.7	23.1	7.2 J	13.7
THALLIUM	5	0.99 U	1.1 U	1.2 U	1.1 U	1 U	1.1 U	1.1 U	1.8 U	1.9 U	1.1 U	1.1 U
VANADIUM	78	79	23.4	20.7	21.2	32.6	54.7	28.3	33.2	33.1	19.7	20.5
Miscellaneous Parameters (MG/KG)												
HEXAVALENT CHROMIUM*	20	4.3	0.58 U	0.59 U	0.58 U	0.55 U	8.9	0.55 U	0.99 U	1 U	0.58 U	0.59 U
Miscellaneous Parameters (MV)												
OXIDATION REDUCTION POTENTIAL	NC	469	430	449	428	430	492	449	452	442	433	428
Miscellaneous Parameters (S.U.)												
PH	NC	8.3	8.26	7.29	8.32	8.97	7.5	8.32	7.79	7.83	7.84	8.49

NA=NOT APPLICABLE
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RDC SRS = RESIDENTIAL DIRECT CONTACT SOIL
REMEDIAION STANDARD

*CrSCC = NJDEP CHROMIUM SOIL CLEANUP
CRITERIA (FEB 2007/SEPT 2008)

EXCEEDS RDC SRS
NON-DETECTION EXCEEDS RDC SRS

Table 5A
 Table of Exceedances for Soil Samples
 Initial Investigation
 Residential Direct Contact Soil Remediation Standards
 Site 63 and 65 Remedial Investigation Report
 PPG Industries, Inc.
 Jersey City, New Jersey

LOCATION SAMPLE ID SAMPLE_DATE TOP OF SAMPLE	RDC SRS	065_A013						065_A014							
		065_A013_0.0 20110728	065_A013_0.5 20110728	065_A013_5.0 20110728	065_A013_10.0 20110728	065_A013_15.5 20110728	065_A013_17.0 20110728	065_A014_0.0 20110801	065_A014_0.5 20110801	065_A014_1.5 20110801	065_A014_5.5 20110801	065_A014_10.0 20110801	065_A014_10.0-D 20110801	065_A014_15.0 20110801	065_A014_16.7 20110801
Metals (MG/KG)															
ANTIMONY	31	9 UJ	7.3 J	1.9 J	4.3 J	3.2 UJ	0.96 UJ	1.6 J	2 J	1.8 J	1.3 J	6 J	5.9 J	2.4 UJ	1.1 UJ
CHROMIUM*	120000	2330	749	22.3	11.3	13.3 J	17.1	409	206	34.6	747	22	25	221	3.6
NICKEL	1600	96.9	28.8	12.5	19.1	13.9 J	13.2	43.3	30.6	20.1	15.2	18.6	15.1	26.7	1.5 J
THALLIUM	5	0.99 U	1 U	1.1 U	1.4 U	3.5 UJ	1.1 U	0.98 U	1 U	1 U	1.2 U	1.5 U	1.5 U	2.6 U	1.2 U
VANADIUM	78	135	84.2	14.4	14.5	18.4 J	24.8	63.9	47.9	28.6	14.6	17.4	15.7	35.2	7.6 J
Miscellaneous Parameters (MG/KG)															
HEXAVALENT CHROMIUM*	20	7.6	7.8	0.59 U	0.72 U	2 U	0.57 U	2.8 J	0.96 J	0.54 UJ	0.66 J	0.76 UJ	0.74 UJ	1.3 UJ	0.64 UJ
Miscellaneous Parameters (MV)															
OXIDATION REDUCTION POTENTIAL	NC	555	573	479	411	374	404	413	451	391	375	348	351	347	368
Miscellaneous Parameters (S.U.)															
PH	NC	8.45	8.28	8.3	8.01	7.76	7.03	7.98	8.2	9.59	8.18	7.75	7.71	7.71	7.2

NA=NOT APPLICABLE
 NC=NO CRITERIA
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RDC SRS = RESIDENTIAL DIRECT CONTACT SOIL
 REMEDIATION STANDARD

*CrSCC = NJDEP CHROMIUM SOIL CLEANUP
 CRITERIA (FEB 2007/SEPT 2008)

EXCEEDS RDC SRS

NON-DETECTION EXCEEDS RDC SRS

Table 5A

Table of Exceedances for Soil Samples
Initial Investigation
Residential Direct Contact Soil Remediation Standards

Site 63 and 65 Remedial Investigation Report
PPG Industries, Inc.
Jersey City, New Jersey

LOCATION		065_A015					
SAMPLE ID	RDC SRS	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_DATE		20110801	20110801	20110801	20110801	20110801	20110801
TOP OF SAMPLE		0	5	10.3	10.3	15	19
Metals (MG/KG)							
ANTIMONY	31	1.7 J	1 UJ	1.9 J	2 J	2.8 UJ	1 UJ
CHROMIUM*	120000	132	91.4	17.4 J	34.8 J	25.1 J	15.4
NICKEL	1600	33.4	13.8	11.8 J	16.4	18.3 J	13.9
THALLIUM	5	1 U	1.2 U	1.8 U	1.8 U	3.1 U	1.1 U
VANADIUM	78	44.6	13.6	13.7 J	18.6	29.5 J	25.6
Miscellaneous Parameters (MG/KG)							
HEXAVALENT CHROMIUM*	20	0.51 UJ	3.2 J	0.91 UJ	0.95 UJ	1.6 UJ	0.61 UJ
Miscellaneous Parameters (MV)							
OXIDATION REDUCTION POTENTIAL	NC	363	439	391	371	457	355
Miscellaneous Parameters (S.U.)							
PH	NC	8.67	8.03	7.63	7.6	7.67	7.76

NA=NOT APPLICABLE
NC=NO CRITERIA
U = NON DETECT
J = ESTIMATED

RDC SRS = RESIDENTIAL DIRECT CONTACT SOIL
REMEDICATION STANDARD

*CrSCC = NJDEP CHROMIUM SOIL CLEANUP
CRITERIA (FEB 2007/SEPT 2008)

EXCEEDS RDC SRS

NON-DETECTION EXCEEDS RDC SRS

Table 5B
 Table of Exceedances for Soil Samples
 Initial Investigation
 Non-Residential Direct Contact Soil Remediation Standards
 Site 63 and 65 Remedial Investigation Report
 PPG Industries, Inc.
 Jersey City, New Jersey

Page 25 of 31

LOCATION SAMPLE ID SAMPLE_DATE TOP OF SAMPLE	NRDC SRS	065_A005						065_A006					
		065_A005_0.0 20110801 0	065_A005_5.0 20110801 5	065_A005_5.0-D 20110801 5	065_A005_10.0 20110801 10	065_A005_15.0 20110801 15	065_A005_17.5 20110801 17.5	065_A006_0.0 20110801 0	065_A006_3.8 20110801 3.8	065_A006_8.2 20110801 8.2	065_A006_11.7 20110801 11.7	065_A006_11.7-D 20110801 11.7	065_A006_15.0 20110801 15
Metals (MG/KG)													
ANTIMONY	450	0.97 UJ	1.4 UJ	5.7 UJ	1.1 UJ	0.99 UJ	0.99 UJ	9 UJ	5.1 UJ	12.7 UJ	1.1 UJ	1.1 UJ	1 UJ
CHROMIUM	NC	1000	7060	9090	206	92.1	18	4490 J	7640	12400	18.3	21.1	100
NICKEL	23000	63.6	14.4	18.5 J	11.6	12.6	10.9	47.2	21.1 J	22.7 J	7.7 J	7.4 J	7.7 J
THALLIUM	79	1.1 U	1.6 U	6.3 U	1.2 U	1.1 U	1.1 U	0.99 U	2.8 U	5.6 U	1.2 U	1.2 U	1.1 U
VANADIUM	1100	81.9	40.2	52.4 J	32.8	20.9	18.2	79.6	28.9 J	52.8 J	27.3	29.7	20.8
Miscellaneous Parameters (MG/KG)													
HEXAVALENT CHROMIUM	NC	1.3 J	0.66 U	0.75 J	0.69 U	0.59 U	0.56 U	12.6	12.9	4.2	0.62 U	0.65 U	0.61 U
Miscellaneous Parameters (MV)													
OXIDATION REDUCTION POTENTIAL	NC	332	201	213	338	381	481	260	224	214	332	337	344
Miscellaneous Parameters (S.U.)													
PH	NC	8.49	10.4	10.3	8.92	8.26	7.99	11.5	11.3	11.7	7.75	7.73	7.91

NC= NO CRITERIA
 NA=NOT APPLICABLE
 U = NON DETECT
 J = ESTIMATED
 NRDC SRS = NON-RESIDENTIAL DIRECT CONTACT
 SOIL REMEDIATION STANDARD

Table 5B
 Table of Exceedances for Soil Samples
 Initial Investigation
 Non-Residential Direct Contact Soil Remediation Standards
 Site 63 and 65 Remedial Investigation Report
 PPG Industries, Inc.
 Jersey City, New Jersey

LOCATION	NRDC SRS	065_A007						065_A008					
		065_A007_0.0 20110801 0	065_A007_3.1 20110801 3.1	065_A007_6.9 20110801 6.9	065_A007_6.9-D 20110801 6.9	065_A007_11.0 20110801 11	065_A007_15.0 20110801 15	065_A008_0.0 20110801 0	065_A008_5.0 20110801 5	065_A008_5.0-D 20110801 5	065_A008_7.0 20110801 7	065_A008_10.4 20110801 10.4	065_A008_15.0 20110801 15
Metals (MG/KG)													
ANTIMONY	450	10.6 UJ	10.5 UJ	9.2 J	10.6 J	3.5 UJ	1 UJ	6.1 J	3.2 J	4.4 J	3.1 J	1.4 UJ	1 UJ
CHROMIUM	NC	5050 J	5990 J	50.9 J	44 J	23.1 J	23.4	3830	1490 J	1970 J	1510 J	490 J	30.8 J
NICKEL	23000	50.3	16.2	17.3	19.8	8.8 J	8.8 J	54	7.7 J	6.9 J	14.3	14.9	9.9
THALLIUM	79	1.2 U	1.2 U	1.3 U	1.2 U	3.8 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.6 U	1.1 U
VANADIUM	1100	75.9	58.6	27.8	42.1	21.1 J	24.4	83.1	16.2	15.2	30	24.1	26.7
Miscellaneous Parameters (MG/KG)													
HEXAVALENT CHROMIUM	NC	10.1	9.6	0.66 U	0.67 U	2 U	0.6 U	2.4 J	5.5	6.7	9.5	0.84 U	0.58 U
Miscellaneous Parameters (MV)													
OXIDATION REDUCTION POTENTIAL	NC	365	282	218	137	454	428	347	376	355	340	387	450
Miscellaneous Parameters (S.U.)													
PH	NC	9.43	10.5	9.57	9.65	7.96	8.38	10.4	10.3	10.4	10	8.37	7.94

NC= NO CRITERIA
 NA=NOT APPLICABLE
 U = NON DETECT
 J = ESTIMATED
 NRDC SRS = NON-RESIDENTIAL DIRECT CONTACT
 SOIL REMEDIATION STANDARD

Table 5B
 Table of Exceedances for Soil Samples
 Initial Investigation
 Non-Residential Direct Contact Soil Remediation Standards
 Site 63 and 65 Remedial Investigation Report
 PPG Industries, Inc.
 Jersey City, New Jersey

LOCATION SAMPLE ID SAMPLE_DATE TOP OF SAMPLE	NRDC SRS	065_A009					065_A010			
		065_A009_0.0 20110801 0	065_A009_2.5 20110801 2.5	065_A009_2.5-D 20110801 2.5	065_A009_6.0 20110801 6	065_A009_15.0 20110801 15	065_A010_0.3 20110801 0.3	065_A010_5.0 20110801 5	065_A010_15.0 20110801 15	065_A010_15.0-D 20110801 15
Metals (MG/KG)										
ANTIMONY	450	2.4 UJ	1 UJ	1 UJ	6.1 J	0.9 UJ	0.93 UJ	2.6 UJ	0.93 UJ	0.98 UJ
CHROMIUM	NC	2240	73.7	67.3	23.2	95.9	472	51.1	32.6	34.6
NICKEL	23000	44.6	10.1	11	11.3	17.7	26.5	26.1	12.3	15.6
THALLIUM	79	1.1 U	1.1 U	1.1 U	1.1 U	0.99 U	1 U	2.8 U	1 U	1.1 U
VANADIUM	1100	110	13.7	16.7	7.9 J	38.5	45.1	19.3 J	28.8	34.3
Miscellaneous Parameters (MG/KG)										
HEXAVALENT CHROMIUM	NC	0.58 U	0.57 U	0.58 U	0.6 U	0.55 U	1.6 J	0.58 U	0.53 U	0.54 U
Miscellaneous Parameters (MV)										
OXIDATION REDUCTION POTENTIAL	NC	478	467	467	410	398	378	398	382	390
Miscellaneous Parameters (S.U.)										
PH	NC	7.7	8.2	8.25	8.01	8.75	9.35	8.06	9.16	9.04

NC= NO CRITERIA
 NA=NOT APPLICABLE
 U = NON DETECT
 J = ESTIMATED
 NRDC SRS = NON-RESIDENTIAL DIRECT CONTACT
 SOIL REMEDIATION STANDARD

Table 5B
 Table of Exceedances for Soil Samples
 Initial Investigation
 Non-Residential Direct Contact Soil Remediation Standards
 Site 63 and 65 Remedial Investigation Report
 PPG Industries, Inc.
 Jersey City, New Jersey

Page 28 of 31

LOCATION SAMPLE ID SAMPLE_DATE TOP OF SAMPLE	NRDC SRS	065_A011					065_A012					
		065_A011_0.0 20110728 0	065_A011_5.0 20110728 5	065_A011_10.0 20110728 10	065_A011_15.0 20110728 15	065_A011_18.0 20110728 18	065_A012_0.0 20110801 0	065_A012_5.0 20110801 5	065_A012_10.0 20110801 10	065_A012_10.0-D 20110801 10	065_A012_15.0 20110801 15	065_A012_18.5 20110801 18.5
Metals (MG/KG)												
ANTIMONY	450	3 J	3.1 J	1.1 UJ	0.97 UJ	0.91 UJ	1 UJ	0.99 UJ	1.7 UJ	1.7 UJ	0.99 UJ	1 UJ
CHROMIUM	NC	647	31.2	13.7 J	14.1 J	20.9 J	549	21.8	243 J	121 J	50.1	14.2
NICKEL	23000	49.4	14.4	12.1	9.3	16	43.3	13.1	24.7	23.1	7.2 J	13.7
THALLIUM	79	0.99 U	1.1 U	1.2 U	1.1 U	1 U	1.1 U	1.1 U	1.8 U	1.9 U	1.1 U	1.1 U
VANADIUM	1100	79	23.4	20.7	21.2	32.6	54.7	28.3	33.2	33.1	19.7	20.5
Miscellaneous Parameters (MG/KG)												
HEXAVALENT CHROMIUM	NC	4.3	0.58 U	0.59 U	0.58 U	0.55 U	8.9	0.55 U	0.99 U	1 U	0.58 U	0.59 U
Miscellaneous Parameters (MV)												
OXIDATION REDUCTION POTENTIAL	NC	469	430	449	428	430	492	449	452	442	433	428
Miscellaneous Parameters (S.U.)												
PH	NC	8.3	8.26	7.29	8.32	8.97	7.5	8.32	7.79	7.83	7.84	8.49

NC= NO CRITERIA
 NA=NOT APPLICABLE
 U = NON DETECT
 J = ESTIMATED
 NRDC SRS = NON-RESIDENTIAL DIRECT CONTACT
 SOIL REMEDIATION STANDARD

Table 5B

Table of Exceedances for Soil Samples
Initial Investigation
Non-Residential Direct Contact Soil Remediation Standards

Site 63 and 65 Remedial Investigation Report
PPG Industries, Inc.
Jersey City, New Jersey

LOCATION		065_A013					
SAMPLE ID	NRDC	065_A013_0.0	065_A013_0.5	065_A013_5.0	065_A013_10.0	065_A013_15.5	065_A013_17.0
SAMPLE_DATE	SRS	20110728	20110728	20110728	20110728	20110728	20110728
TOP OF SAMPLE		0	0.5	5	10	15.5	17
Metals (MG/KG)							
ANTIMONY	450	9 UJ	7.3 J	1.9 J	4.3 J	3.2 UJ	0.96 UJ
CHROMIUM	NC	2330	749	22.3	11.3	13.3 J	17.1
NICKEL	23000	96.9	28.8	12.5	19.1	13.9 J	13.2
THALLIUM	79	0.99 U	1 U	1.1 U	1.4 U	3.5 UJ	1.1 U
VANADIUM	1100	135	84.2	14.4	14.5	18.4 J	24.8
Miscellaneous Parameters (MG/KG)							
HEXAVALENT CHROMIUM	NC	7.6	7.8	0.59 U	0.72 U	2 U	0.57 U
Miscellaneous Parameters (MV)							
OXIDATION REDUCTION POTENTIAL	NC	555	573	479	411	374	404
Miscellaneous Parameters (S.U.)							
PH	NC	8.45	8.28	8.3	8.01	7.76	7.03

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NRDC SRS = NON-RESIDENTIAL DIRECT CONTACT
SOIL REMEDIATION STANDARD

Table 5B

Table of Exceedances for Soil Samples
Initial Investigation
Non-Residential Direct Contact Soil Remediation Standards

Site 63 and 65 Remedial Investigation Report
PPG Industries, Inc.
Jersey City, New Jersey

LOCATION		065_A014							
SAMPLE ID	NRDC	065_A014_0.0	065_A014_0.5	065_A014_1.5	065_A014_5.5	065_A014_10.0	065_A014_10.0-D	065_A014_15.0	065_A014_16.7
SAMPLE_DATE	SRS	20110801	20110801	20110801	20110801	20110801	20110801	20110801	20110801
TOP OF SAMPLE		0	0.5	1.5	5.5	10	10	15	16.7
Metals (MG/KG)									
ANTIMONY	450	1.6 J	2 J	1.8 J	1.3 J	6 J	5.9 J	2.4 UJ	1.1 UJ
CHROMIUM	NC	409	206	34.6	747	22	25	221	3.6
NICKEL	23000	43.3	30.6	20.1	15.2	18.6	15.1	26.7	1.5 J
THALLIUM	79	0.98 U	1 U	1 U	1.2 U	1.5 U	1.5 U	2.6 U	1.2 U
VANADIUM	1100	63.9	47.9	28.6	14.6	17.4	15.7	35.2	7.6 J
Miscellaneous Parameters (MG/KG)									
HEXAVALENT CHROMIUM	NC	2.8 J	0.96 J	0.54 UJ	0.66 J	0.76 UJ	0.74 UJ	1.3 UJ	0.64 UJ
Miscellaneous Parameters (MV)									
OXIDATION REDUCTION POTENTIAL	NC	413	451	391	375	348	351	347	368
Miscellaneous Parameters (S.U.)									
PH	NC	7.98	8.2	9.59	8.18	7.75	7.71	7.71	7.2

NC= NO CRITERIA
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SOIL REMEDIATION STANDARD

Table 5B

Table of Exceedances for Soil Samples
Initial Investigation
Non-Residential Direct Contact Soil Remediation Standards

Site 63 and 65 Remedial Investigation Report
PPG Industries, Inc.
Jersey City, New Jersey

LOCATION		065_A015					
SAMPLE ID	NRDC	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_DATE	SRS	20110801	20110801	20110801	20110801	20110801	20110801
TOP OF SAMPLE		0	5	10.3	10.3	15	19
Metals (MG/KG)							
ANTIMONY	450	1.7 J	1 UJ	1.9 J	2 J	2.8 UJ	1 UJ
CHROMIUM	NC	132	91.4	17.4 J	34.8 J	25.1 J	15.4
NICKEL	23000	33.4	13.8	11.8 J	16.4	18.3 J	13.9
THALLIUM	79	1 U	1.2 U	1.8 U	1.8 U	3.1 U	1.1 U
VANADIUM	1100	44.6	13.6	13.7 J	18.6	29.5 J	25.6
Miscellaneous Parameters (MG/KG)							
HEXAVALENT CHROMIUM	NC	0.51 UJ	3.2 J	0.91 UJ	0.95 UJ	1.6 UJ	0.61 UJ
Miscellaneous Parameters (MV)							
OXIDATION REDUCTION POTENTIAL	NC	363	439	391	371	457	355
Miscellaneous Parameters (S.U.)							
PH	NC	8.67	8.03	7.63	7.6	7.67	7.76

NC= NO CRITERIA
NA=NOT APPLICABLE
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NRDC SRS = NON-RESIDENTIAL DIRECT CONTACT
SOIL REMEDIATION STANDARD

Table 5C

Table of Exceedances for Soil Samples
Initial Investigation
Impact to Groundwater Soil Screening Levels

Sites 63 and 65 Remedial Investigation Report
PPG Industries, Inc.
Jersey City, New Jersey

LOCATION	IGW SSL	063_D011	063_E003	063_E004	063_E005		063_E006	063_E007	065_A005	065_A006
SAMPLE ID		063_D011_0.0	063_E003_0.0	063_E004_0.0	063_E005_0.0	063_E005_0.5	063_E006_0.0	063_E007_0.0	065_A005_0.0	065_A006_0.0
SAMPLE_DATE		20110728	20110726	20110726	20110726	20110726	20110726	20110727	20110801	20110801
TOP OF SAMPLE		0	0	0	0	0.5	0	0	0	0
Metals (MG/KG)										
ANTIMONY	6	1 UJ	0.9 UJ	0.93 UJ	0.94 UJ	0.91 UJ	0.87 UJ	0.96 J	0.97 UJ	9 UJ
CHROMIUM	NC	303	28.9 J	63.3 J	302 J	53.5 J	152 J	328 J	1000	4490 J
NICKEL	31	29.8	33.8	28.3	28.4	7.8 J	24	28.2	63.6	47.2
THALLIUM	3	1.1 U	0.99 U	1 U	1 U	1 U	0.96 U	1 U	1.1 U	0.99 U
VANADIUM	NC	54	51.1	51.3	61.3	9 J	45.4	66.6	81.9	79.6
Miscellaneous Parameters (MG/KG)										
HEXAVALENT CHROMIUM	NC	1.4 J	0.54 U	0.56 U	1.7 J	0.52 U	1.7 J	4.4	1.3 J	12.6
Miscellaneous Parameters (MV)										
OXIDATION REDUCTION POTENTIAL	NC	459	518	497	499	507	351	493	332	260
Miscellaneous Parameters (S.U.)										
PH	NC	7.67	8.03	7.57	8.12	8.52	8.11	8.15	8.49	11.5

NC-NO CRITERIA

NA-NOT APPLICABLE

U = NON DETECT

J = ESTIMATED

IGW SSL = IMPACT TO GROUNDWATER SOIL
SCREENING LEVEL

EXCEEDS IGW SSL

NON-DETECTION EXCEEDS IGW SSL

Table 5C

Table of Exceedances for Soil Samples
Initial Investigation
Impact to Groundwater Soil Screening Levels

Sites 63 and 65 Remedial Investigation Report
PPG Industries, Inc.
Jersey City, New Jersey

LOCATION		065_A007	065_A008	065_A009	065_A010		065_A011	065_A012	065_A013	
SAMPLE ID	IGW	065_A007_0.0	065_A008_0.0	065_A009_0.0	065_A010_0.3	065_A010_5.0	065_A011_0.0	065_A012_0.0	065_A013_0.0	065_A013_0.5
SAMPLE_DATE	SSL	20110801	20110801	20110801	20110801	20110801	20110728	20110801	20110728	20110728
TOP OF SAMPLE		0	0	0	0.3	5	0	0	0	0.5
Metals (MG/KG)										
ANTIMONY	6	10.6 UJ	6.1 J	2.4 UJ	0.93 UJ	2.6 UJ	3 J	1 UJ	9 UJ	7.3 J
CHROMIUM	NC	5050 J	3830	2240	472	51.1	647	549	2330	749
NICKEL	31	50.3	54	44.6	26.5	26.1	49.4	43.3	96.9	28.8
THALLIUM	3	1.2 U	1.1 U	1.1 U	1 U	2.8 U	0.99 U	1.1 U	0.99 U	1 U
VANADIUM	NC	75.9	83.1	110	45.1	19.3 J	79	54.7	135	84.2
Miscellaneous Parameters (MG/KG)										
HEXAVALENT CHROMIUM	NC	10.1	2.4 J	0.58 U	1.6 J	0.58 U	4.3	8.9	7.6	7.8
Miscellaneous Parameters (MV)										
OXIDATION REDUCTION POTENTIAL	NC	365	347	478	378	398	469	492	555	573
Miscellaneous Parameters (S.U.)										
PH	NC	9.43	10.4	7.7	9.35	8.06	8.3	7.5	8.45	8.28

NC-NO CRITERIA

NA-NOT APPLICABLE

U = NON DETECT

J = ESTIMATED

IGW SSL = IMPACT TO GROUNDWATER SOIL
SCREENING LEVEL

EXCEEDS IGW SSL

NON-DETECTION EXCEEDS IGW SSL

Table 5C

Table of Exceedances for Soil Samples
Initial Investigation
Impact to Groundwater Soil Screening Levels

Sites 63 and 65 Remedial Investigation Report
PPG Industries, Inc.
Jersey City, New Jersey

LOCATION SAMPLE ID SAMPLE_DATE TOP OF SAMPLE	IGW SSL	065_A014			065_A015
		065_A014_0.0 20110801	065_A014_0.5 20110801	065_A014_1.5 20110801	065_A015_0.0 20110801
Metals (MG/KG)					
ANTIMONY	6	1.6 J	2 J	1.8 J	1.7 J
CHROMIUM	NC	409	206	34.6	132
NICKEL	31	43.3	30.6	20.1	33.4
THALLIUM	3	0.98 U	1 U	1 U	1 U
VANADIUM	NC	63.9	47.9	28.6	44.6
Miscellaneous Parameters (MG/KG)					
HEXAVALENT CHROMIUM	NC	2.8 J	0.96 J	0.54 UJ	0.51 UJ
Miscellaneous Parameters (MV)					
OXIDATION REDUCTION POTENTIAL	NC	413	451	391	363
Miscellaneous Parameters (S.U.)					
PH	NC	7.98	8.2	9.59	8.67

NC-NO CRITERIA
NA-NOT APPLICABLE
U = NON DETECT
J = ESTIMATED
IGW SSL = IMPACT TO GROUNDWATER SOIL
SCREENING LEVEL

EXCEEDS IGW SSL

NON-DETECTION EXCEEDS IGW SSL

Table 13
 Positive Hits Table for Soil Samples
 Delineation Investigation
 Minimum Soil Remediation Standard/Screening Level

Sites 63 and 65 Remedial Investigation Report
 PPG Industries, Inc.
 Jersey City, New Jersey

LOCATION SAMPLE ID SAMPLE DATE TOP OF SAMPLE	MINIMUM STANDARD/ SCREENING LEVEL	STANDARD/ SCREENING LEVEL SOURCE	063_Z005					063_Z009				
			063_Z005_0.5 20121221 0.5	063_Z005_5.0 20121221 5	063_Z005_10.0 20121221 10	063_Z005_15.0 20121221 15	063_Z005_20.0 20121221 20	063_Z009_0.5 20121221 0.5	063_Z009_5.0 20121221 5	063_Z009_10.0 20121221 10	063_Z009_15.0 20121221 15	063_Z009_20.0 20121221 20
METALS (MG/KG)												
ANTIMONY	6* / 31	IGW SSL* / RDC SRS	0.36 UJ	1.9 J	0.66 UJ	0.4 UJ	0.44 UJ	0.53 UJ	0.72 J	0.81 UJ	0.41 UJ	0.39 UJ
CHROMIUM	120000	CrSCC	9.6	860	245	21.8	11.6	75.1	3320	142	52.1	29.5
NICKEL	650* / 1600	IGW SSL* / RDC SRS	9.3	9.9	26.2	10	9.5	21.4	12.2	18.2	15.9	14.1
THALLIUM	3* / 5	IGW SSL* / RDC SRS	0.17 U	0.2 U	0.31 U	0.19 U	0.21 U	0.46	0.21 U	0.38 U	0.19 U	0.19 J
VANADIUM	78	RDC SRS	19 J	20.6 J	25.8 J	19.7 J	16.2 J	67.9 J	27.4 J	30.3 J	34.5 J	32.1 J
MISCELLANEOUS PARAMETERS (MG/KG)												
HEXAVALENT CHROMIUM	20	CrSCC	0.8 U	0.95 U	1.4 U	0.81 U	0.85 U	1.1 U	0.86 U	1.7 U	0.93 U	0.83 U
MISCELLANEOUS PARAMETERS (MV)												
OXIDATION REDUCTION POTENTIAL	NC	NA	379	171	138	349	374	433	384	374	343	435
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NA	8.51	10.2	8.76	8.18	7.28	8.23	8.9	8.11	8.52	7.96

U = NON DETECT

J = ESTIMATED

IGW SSL = DEFAULT IMPACT TO GROUNDWATER SOIL SCREENING LEVEL

RDC SRS = RESIDENTIAL DIRECT CONTACT SOIL REMEDIATION STANDARD

CrSCC = NJDEP CHROMIUM SOIL CLEANUP CRITERIA (FEB 2007/SEPT 2008)

*IGW SSL APPLIES ONLY TO SATURATED ZONE

NC = NO CRITERIA

NA = NOT APPLICABLE

EXCEEDS MINIMUM SOIL REMEDIATION STANDARD/SCREENING CRITERIA

Table 13
Positive Hits Table for Soil Samples
Delineation Investigation
Minimum Soil Remediation Standard/Screening Level

Sites 63 and 65 Remedial Investigation Report
PPG Industries, Inc.
Jersey City, New Jersey

LOCATION SAMPLE ID SAMPLE_DATE TOP OF SAMPLE	MINIMUM STANDARD/ SCREENING LEVEL	STANDARD/ SCREENING LEVEL SOURCE	063_Z011						
			063_Z011_0.0 20121220 0	063_Z011_5.0 20121220 5	063_Z011_5.0-AVG 20121220 5	063_Z011_5.0-D 20121220 5	063_Z011_10.5 20121220 10.5	063_Z011_15.0 20121220 15	063_Z011_20.0 20121220 20
METALS (MG/KG)									
ANTIMONY	6* / 31	IGW SSL* / RDC SRS	2.6	0.76	0.765	0.77	0.43 U	0.39 UJ	0.4 UJ
CHROMIUM	120000	CrSCC	25.3	1950	1850	1750	28.8	32 J	21.4 J
NICKEL	650* / 1600	IGW SSL* / RDC SRS	24.7	11.5	11.6	11.7	9.2	12.4	14.6
THALLIUM	3* / 5	IGW SSL* / RDC SRS	0.32	0.2 U	0.205 U	0.21 U	0.2 U	0.18 U	0.23
VANADIUM	78	RDC SRS	41.3	27.8	27.5	27.2	19.8	25.9	28.9
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	20	CrSCC	0.94 U	0.99 J	1.645	2.3	0.86 U	0.82 U	0.82 UJ
MISCELLANEOUS PARAMETERS (MV)									
OXIDATION REDUCTION POTENTIAL	NC	NA	369	344	349.5	355	314	427	453
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NC	NA	8.34	9.78	9.73	9.68	8.96	8.32	8.49

U = NON DETECT

J = ESTIMATED

IGW SSL = DEFAULT IMPACT TO GROUNDWATER SOIL SCREENING LEVEL

RDC SRS = RESIDENTIAL DIRECT CONTACT SOIL REMEDIATION STANDARD

CrSCC = NJDEP CHROMIUM SOIL CLEANUP CRITERIA (FEB 2007/SEPT 2008)

*IGW SSL APPLIES ONLY TO SATURATED ZONE

NC = NO CRITERIA

NA = NOT APPLICABLE

EXCEEDS MINIMUM SOIL REMEDIATION STANDARD/SCREENING CRITERIA

Table 13

Positive Hits Table for Soil Samples
Delineation Investigation
Minimum Soil Remediation Standard/Screening Level

Sites 63 and 65 Remedial Investigation Report
PPG Industries, Inc.
Jersey City, New Jersey

LOCATION SAMPLE ID SAMPLE_DATE TOP OF SAMPLE	MINIMUM STANDARD/ SCREENING LEVEL	STANDARD/ SCREENING LEVEL SOURCE	063_Z013					
			063_Z013_1.5 20121219 1.5	063_Z013_5.5 20121219 5.5	063_Z013_10.0 20121219 10	063_Z013_15.0 20121219 15	063_Z013_15.0-D 20121219 15	063_Z013_20.0 20121219 20
METALS (MG/KG)								
ANTIMONY	6* / 31	IGW SSL* / RDC SRS	1.6 J	0.43 UJ	2 J	1.4 UJ	1.4 UJ	0.41 UJ
CHROMIUM	120000	CrSCC	93 J	8.1 J	31.6 J	48.9 J	18.3 J	18.2 J
NICKEL	650* / 1600	IGW SSL* / RDC SRS	26.5	6.4	14.8	20.4	21.7	10.2
THALLIUM	3* / 5	IGW SSL* / RDC SRS	0.44	0.2 U	0.27 U	0.64 U	0.64 U	0.2 U
VANADIUM	78	RDC SRS	69.7	8.7	19.5	24.2	22.7	19.9
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	20	CrSCC	1 U	0.89 U	1.1 U	3 U	2.7 U	0.85 U
MISCELLANEOUS PARAMETERS (MV)								
OXIDATION REDUCTION POTENTIAL	NC	NA	467	431	424	293	271	398
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NC	NA	8.11	8.42	7.97	7.96	7.92	8.92

U = NON DETECT

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IGW SSL = DEFAULT IMPACT TO GROUNDWATER SOIL SCREENING LEVEL

RDC SRS = RESIDENTIAL DIRECT CONTACT SOIL REMEDIATION STANDARD

CrSCC = NJDEP CHROMIUM SOIL CLEANUP CRITERIA (FEB 2007/SEPT 2008)

*IGW SSL APPLIES ONLY TO SATURATED ZONE

NC = NO CRITERIA

NA = NOT APPLICABLE

EXCEEDS MINIMUM SOIL REMEDIATION STANDARD/SCREENING CRITERIA

Table 13A

Table of Exceedances for Soil Samples
Delineation Investigation
Residential Direct Contact Soil Remediation Standard

Sites 63 and 65 Remedial Investigation Report
PPG Industries, Inc.
Jersey City, New Jersey

LOCATION SAMPLE ID SAMPLE_DATE TOP OF SAMPLE	RDC SRS	063_Z009				
		063_Z009_0.5 20121221 0.5	063_Z009_5.0 20121221 5	063_Z009_10.0 20121221 10	063_Z009_15.0 20121221 15	063_Z009_20.0 20121221 20
METALS (MG/KG)						
ANTIMONY	31	0.53 UJ	0.72 J	0.81 UJ	0.41 UJ	0.39 UJ
CHROMIUM*	120000	75.1	3320	142	52.1	29.5
NICKEL	1600	21.4	12.2	18.2	15.9	14.1
THALLIUM	5	0.46	0.21 U	0.38 U	0.19 U	0.19 J
VANADIUM	78	67.9 J	27.4 J	30.3 J	34.5 J	32.1 J
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM*	20	1.1 U	0.86 U	1.7 U	0.93 U	0.83 U
MISCELLANEOUS PARAMETERS (MV)						
OXIDATION REDUCTION POTENTIAL	NC	433	384	374	343	435
MISCELLANEOUS PARAMETERS (S.U.)						
PH	NC	8.23	8.9	8.11	8.52	7.96

U = NON DETECT

J = ESTIMATED

RDC SRS = RESIDENTIAL DIRECT CONTACT SOIL R

*CrSCC = NJDEP CHROMIUM SOIL CLEANUP CRITERIA

NC = NO CRITERIA

NA = NOT APPLICABLE

DETECTION EXCEEDS RDC SRS

Table 13A

Table of Exceedances for Soil Samples
Delineation Investigation
Residential Direct Contact Soil Remediation Standard

Sites 63 and 65 Remedial Investigation Report
PPG Industries, Inc.
Jersey City, New Jersey

LOCATION		063_Z011					
SAMPLE ID	RDC	063_Z011_0.0	063_Z011_5.0	063_Z011_5.0-D	063_Z011_10.5	063_Z011_15.0	063_Z011_20.0
SAMPLE_DATE	SRS	20121220	20121220	20121220	20121220	20121220	20121220
TOP OF SAMPLE		0	5	5	10.5	15	20
METALS (MG/KG)							
ANTIMONY	31	2.6	0.76	0.77	0.43 U	0.39 UJ	0.4 UJ
CHROMIUM*	120000	25.3	1950	1750	28.8	32 J	21.4 J
NICKEL	1600	24.7	11.5	11.7	9.2	12.4	14.6
THALLIUM	5	0.32	0.2 U	0.21 U	0.2 U	0.18 U	0.23
VANADIUM	78	41.3	27.8	27.2	19.8	25.9	28.9
MISCELLANEOUS PARAMETERS (MG/KG)							
HEXAVALENT CHROMIUM*	20	0.94 U	0.99 J	2.3	0.86 U	0.82 U	0.82 UJ
MISCELLANEOUS PARAMETERS (MV)							
OXIDATION REDUCTION POTENTIAL	NC	369	344	355	314	427	453
MISCELLANEOUS PARAMETERS (S.U.)							
PH	NC	8.34	9.78	9.68	8.96	8.32	8.49

U = NON DETECT

J = ESTIMATED

RDC SRS = RESIDENTIAL DIRECT CONTACT SOIL R

*CrSCC = NJDEP CHROMIUM SOIL CLEANUP CRITERIA

NC = NO CRITERIA

NA = NOT APPLICABLE

DETECTION EXCEEDS RDC SRS

Table 13A

Table of Exceedances for Soil Samples
Delineation Investigation
Residential Direct Contact Soil Remediation Standard

Sites 63 and 65 Remedial Investigation Report
PPG Industries, Inc.
Jersey City, New Jersey

LOCATION		063_Z013						
SAMPLE ID	RDC	063_Z013_1.5	063_Z013_5.5	063_Z013_10.0	063_Z013_15.0	063_Z013_15.0-AVG	063_Z013_15.0-D	063_Z013_20.0
SAMPLE_DATE	SRS	20121219	20121219	20121219	20121219	20121219	20121219	20121219
TOP OF SAMPLE		1.5	5.5	10	15	15	15	20
METALS (MG/KG)								
ANTIMONY	31	1.6 J	0.43 UJ	2 J	1.4 UJ	1.4 U	1.4 UJ	0.41 UJ
CHROMIUM*	120000	93 J	8.1 J	31.6 J	48.9 J	33.6	18.3 J	18.2 J
NICKEL	1600	26.5	6.4	14.8	20.4	21.05	21.7	10.2
THALLIUM	5	0.44	0.2 U	0.27 U	0.64 U	0.64 U	0.64 U	0.2 U
VANADIUM	78	69.7	8.7	19.5	24.2	23.45	22.7	19.9
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM*	20	1 U	0.89 U	1.1 U	3 U	2.85 U	2.7 U	0.85 U
MISCELLANEOUS PARAMETERS (MV)								
OXIDATION REDUCTION POTENTIAL	NC	467	431	424	293	282	271	398
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NC	8.11	8.42	7.97	7.96	7.94	7.92	8.92

U = NON DETECT

J = ESTIMATED

RDC SRS = RESIDENTIAL DIRECT CONTACT SOIL R

*CrSCC = NJDEP CHROMIUM SOIL CLEANUP CRITERIA

NC = NO CRITERIA

NA = NOT APPLICABLE

DETECTION EXCEEDS RDC SRS

Table 13B

Table of Exceedances for Soil Samples
Delineation Investigation
Non-Residential Direct Contact Soil Remediation Standard

Sites 63 and 65 Remedial Investigation Report
PPG Industries, Inc.
Jersey City, New Jersey

LOCATION	NRDC SRS	063_2009				
SAMPLE ID		063_Z009_0.5	063_Z009_5.0	063_Z009_10.0	063_Z009_15.0	063_Z009_20.0
SAMPLE_DATE		20121221	20121221	20121221	20121221	20121221
TOP OF SAMPLE		0.5	5	10	15	20
METALS (MG/KG)						
ANTIMONY	450	0.53 UJ	0.72 J	0.81 UJ	0.41 UJ	0.39 UJ
CHROMIUM	NC	75.1	3320	142	52.1	29.5
NICKEL	23000	21.4	12.2	18.2	15.9	14.1
THALLIUM	79	0.46	0.21 U	0.38 U	0.19 U	0.19 J
VANADIUM	1100	67.9 J	27.4 J	30.3 J	34.5 J	32.1 J
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NC	1.1 U	0.86 U	1.7 U	0.93 U	0.83 U
MISCELLANEOUS PARAMETERS (MV)						
OXIDATION REDUCTION POTENTIAL	NC	433	384	374	343	435
MISCELLANEOUS PARAMETERS (S.U.)						
PH	NC	8.23	8.9	8.11	8.52	7.96

U = NON DETECT
J = ESTIMATED
NRDC SRS = NON-RESIDENTIAL DIRECT
CONTACT SOIL REMEDIATION
STANDARD
NC = NO CRITERIA
NA = NOT APPLICABLE

Table 13B
Table of Exceedances for Soil Samples
Delineation Investigation
Non-Residential Direct Contact Soil Remediation Standard

Sites 63 and 65 Remedial Investigation Report
PPG Industries, Inc.
Jersey City, New Jersey

LOCATION SAMPLE ID SAMPLE_DATE TOP OF SAMPLE	NRDC SRS	063_Z011						
		063_Z011_0.0 20121220	063_Z011_5.0 20121220	063_Z011_5.0-AVG 20121220	063_Z011_5.0-D 20121220	063_Z011_10.5 20121220	063_Z011_15.0 20121220	063_Z011_20.0 20121220
METALS (MG/KG)								
ANTIMONY	450	2.6	0.76	0.765	0.77	0.43 U	0.39 UJ	0.4 UJ
CHROMIUM	NC	25.3	1950	1850	1750	28.8	32 J	21.4 J
NICKEL	23000	24.7	11.5	11.6	11.7	9.2	12.4	14.6
THALLIUM	79	0.32	0.2 U	0.205 U	0.21 U	0.2 U	0.18 U	0.23
VANADIUM	1100	41.3	27.8	27.5	27.2	19.8	25.9	28.9
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NC	0.94 U	0.99 J	1.645	2.3	0.86 U	0.82 U	0.82 UJ
MISCELLANEOUS PARAMETERS (MV)								
OXIDATION REDUCTION POTENTIAL	NC	369	344	349.5	355	314	427	453
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NC	8.34	9.78	9.73	9.68	8.96	8.32	8.49

U = NON DETECT
J = ESTIMATED
NRDC SRS = NON-RESIDENTIAL DIRECT
CONTACT SOIL REMEDIATION
STANDARD
NC = NO CRITERIA
NA = NOT APPLICABLE

Table 13B
Table of Exceedances for Soil Samples
Delineation Investigation
Non-Residential Direct Contact Soil Remediation Standard

Sites 63 and 65 Remedial Investigation Report
PPG Industries, Inc.
Jersey City, New Jersey

LOCATION SAMPLE ID SAMPLE_DATE TOP OF SAMPLE	NRDC SRS	063_Z013						
		063_Z013_1.5 20121219 1.5	063_Z013_5.5 20121219 5.5	063_Z013_10.0 20121219 10	063_Z013_15.0 20121219 15	063_Z013_15.0-AVG 20121219 15	063_Z013_15.0-D 20121219 15	063_Z013_20.0 20121219 20
METALS (MG/KG)								
ANTIMONY	450	1.6 J	0.43 UJ	2 J	1.4 UJ	1.4 U	1.4 UJ	0.41 UJ
CHROMIUM	NC	93 J	8.1 J	31.6 J	48.9 J	33.6	18.3 J	18.2 J
NICKEL	23000	26.5	6.4	14.8	20.4	21.05	21.7	10.2
THALLIUM	79	0.44	0.2 U	0.27 U	0.64 U	0.64 U	0.64 U	0.2 U
VANADIUM	1100	69.7	8.7	19.5	24.2	23.45	22.7	19.9
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NC	1 U	0.89 U	1.1 U	3 U	2.85 U	2.7 U	0.85 U
MISCELLANEOUS PARAMETERS (MV)								
OXIDATION REDUCTION POTENTIAL	NC	467	431	424	293	282	271	398
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NC	8.11	8.42	7.97	7.96	7.94	7.92	8.92

U = NON DETECT
J = ESTIMATED
NRDC SRS = NON-RESIDENTIAL DIRECT
CONTACT SOIL REMEDIATION
STANDARD
NC = NO CRITERIA
NA = NOT APPLICABLE

Table 13C

Table of Exceedances for Soil Samples
Delineation Investigation
Impact to Groundwater Soil Screening Levels

Sites 63 and 65 Remedial Investigation Report
PPG Industries, Inc.
Jersey City, New Jersey

LOCATION	IGW SSL	063_Z005	063_Z009		063_Z011		063_Z013	
SAMPLE ID SAMPLE_DATE TOP OF SAMPLE		063_Z005_0.5 20121221 0.5	063_Z009_0.5 20121221 0.5	063_Z009_5.0 20121221 5	063_Z011_0.0 20121220 0	063_Z011_5.0 20121220 5	063_Z013_1.5 20121219 1.5	063_Z013_5.5 20121219 5.5
METALS (MG/KG)								
ANTIMONY	6	0.36 UJ	0.53 UJ	0.72 J	2.6	0.76	1.6 J	0.43 UJ
CHROMIUM	NC	9.6	75.1	3320	25.3	1950	93 J	8.1 J
NICKEL	31	9.3	21.4	12.2	24.7	11.5	26.5	6.4
THALLIUM	3	0.17 U	0.46	0.21 U	0.32	0.2 U	0.44	0.2 U
VANADIUM	NC	19 J	67.9 J	27.4 J	41.3	27.8	69.7	8.7
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NC	0.8 U	1.1 U	0.86 U	0.94 U	0.99 J	1 U	0.89 U
MISCELLANEOUS PARAMETERS (MV)								
OXIDATION REDUCTION POTENTIAL	NC	379	433	384	369	344	467	431
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NC	8.51	8.23	8.9	8.34	9.78	8.11	8.42

U = NON DETECT

J = ESTIMATED

IGW SSL = DEFAULT IMPACT TO
GROUNDWATER SOIL SCREENING
LEVEL

NC = NO CRITERIA

NA = NOT APPLICABLE

DETECTION EXCEEDS IGW SSL