Table 5-2
CCPW Metals Analytical Results for In-Place Soil Compared to Soil Remediation Standards
Forrest Street, Garfield Avenue Group
PPG, Jersey City, New Jersey

												Analyte	ANTIMONY		CHROMIUM		NICKEL		THALLIUM		VANADIUM		
												CAS RN	7440-36-0		7440-47-3		7440-02-0		7440-28-0		7440-62-2		
												Units	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		
												RDCSRS	31		120000		1600		N/A		N/A		
												RDCSRS-GAG	N/A		N/A		N/A		N/A		N/A		
												NRDCSRS	450		N/A		23000		N/A		1100		
Grid ID (G1)	Location ID (G2)	Location Elevation (ft NAVD88) (G3, G4)	Sample ID (G5)	Depth Interval (ft bgs) (G6)	Sample Start Elevation (ft NAVD88) (G4, G7, G8)	Sample End Elevation (ft NAVD88) (G4, G9)	Lab ID (G10)	Lab SDG (G10)	Date Collected (G11)	Sample Status (G12, G13)	Sample Type (G14)	Validated (Y/N) (G15)	Result (G16, G17)	Qualifier (G18, G19)	Result (G16, G20)	Qualifier (G18, G19)	Result (G16, G17)	Qualifier (G18, G19)	Result (G16, G17)	Qualifier (G18, G19)	Result (G16, G17)	Qualifier (G18, G19)	Specific Notes
AA10B	FS15	9.9	FS15-7.0-7.5	7.0 - 7.5 ft	2.9	2.4	JB63136-5A	JB63136A	03/27/2014	remaining	N	Y	< 0.24	UJ	284	J	9.2		0.44	J	24.4		
AA10B	FS15	9.9	FS15-8.0-8.5	8.0 - 8.5 ft	1.9	1.4	JB63136-6A	JB63136A	03/27/2014	remaining	N	Y	< 0.24	UJ	233	J	8.8		< 0.30	U	27.4		
AA10B	FS15	9.9	FS15-10.0-10.5	10.0 - 10.5 ft	-0.1	-0.6	JB63136-8A	JB63136A	03/27/2014	remaining	N	Y	< 0.24	UJ	95.3	J	7.0		< 0.29	U	14.3		
AA10B	FS15	9.9	FS15-11.0-11.5	11.0 - 11.5 ft	-1.1	-1.6	JB63136-9A	JB63136A	03/27/2014	remaining	N	Y	< 0.23	UJ	113	J	6.4		< 0.29	U	18.0		
AA10B	FS15	9.9	FS15-13.0-13.5	13.0 - 13.5 ft	-3.1	-3.6	JB63136-10A	JB63136A	03/27/2014	remaining	N	Y	< 0.23	UJ	133	J	15.2		< 0.29	U	26.4		
AA10B	FS15	9.9	FS15-15.0-15.5	15.0 - 15.5 ft	-5.1	-5.6	JB63136-11A	JB63136A	03/27/2014	remaining	N	Y	< 0.23	UJ	232	J	11.8		< 0.29	U	29.5		
AA10B	FS15	9.9	FS15-16.0-16.5	16.0 - 16.5 ft	-6.1	-6.6	JB63136-12A	JB63136A	03/27/2014	remaining	N	Y	< 0.23	UJ	34.7	J	3.4	J	< 0.29	U	11.0		
AA10B	FS15	9.9	FS15-18.0-18.5	18.0 - 18.5 ft	-8.1	-8.6	JB63136-13A	JB63136A	03/27/2014	remaining	N	Y	< 0.24	UJ	33.4	J	3.8	J	< 0.30	U	13.6		
AA10B	FS15	9.9	FS15-20.0-20.5	20.0 - 20.5 ft	-10.1	-10.6	JB63136-15A	JB63136A	03/27/2014	remaining	N	Y	< 0.24	UJ	38.4	J	3.6	J	< 0.30	U	16.5		
AA10B	FS15	9.9	FS15-22.0-22.5	22.0 - 22.5 ft	-12.1	-12.6	JB63136-16A	JB63136A	03/27/2014	remaining	N	Y	< 0.24	UJ	77.9	J	10.3		0.34	J	26.6		
AA10B	FS15	9.9	FS15-24.0-24.5	24.0 - 24.5 ft	-14.1	-14.6	JB63136-17A	JB63136A	03/27/2014	remaining	N	Y	< 0.24	UJ	112	J	4.6		< 0.29	U	32.6		
AA10B	FS15	9.9	FS15-26.0-26.5	26.0 - 26.5 ft	-16.1	-16.6	JB63136-19A	JB63136A	03/27/2014	remaining	N	Y	< 0.23	UJ	79.0	J	6.2		0.40	J	18.3		
AA10B	FS15	9.9	FS15-28.0-28.5	28.0 - 28.5 ft	-18.1	-18.6	JB63136-20A	JB63136A	03/27/2014	remaining	N	Y	< 0.23	UJ	191	J	4.3	J	< 0.29	U	13.0		
AA10B	FS15	9.9	FS15-30.0-30.5	30.0 - 30.5 ft	-20.1	-20.6	JB63136-21A	JB63136A	03/27/2014	remaining	N	Y	< 0.23	UJ	160	J	4.6	J	< 0.29	U	12.0		
AA10B	FS15	9.9	FS15-32.0-32.5	32.0 - 32.5 ft	-22.1	-22.6	JB63136-22A	JB63136A	03/27/2014	remaining	N	Y	< 0.23	UJ	56.9	J	4.0	J	< 0.29	U	12.0		
AA10B	FS15	9.9	FS15-34.0-34.5	34.0 - 34.5 ft	-24.1	-24.6	JB63136-23A	JB63136A	03/27/2014	remaining	N	Y	< 0.24	UJ	48.5	J	10.7		< 0.30	U	16.5		
AA10B	FS15	9.9	FS15-36.0-36.5	36.0 - 36.5 ft	-26.1	-26.6	JB63136-24A	JB63136A	03/27/2014	remaining	N	Y	< 0.28	UJ	22.4	J	5.4		< 0.35	U	12.7		
AA10B	FS15	9.9	FS15-38.0-38.5	38.0 - 38.5 ft	-28.1	-28.6	JB63136-25A	JB63136A	03/27/2014	remaining	N	Y	< 0.27	UJ	11.3	J	9.0		< 0.34	U	16.1		
AA10B	PSEG-SB35	10.1	NJD981084668-4/15/2005-1	28.0 - 28.5 ft	-17.9	-18.4	624961	W816	04/15/2005	remaining	N	N	< 0.96	U	107		5.4	B	< 1.1	U	10.3	B	**S1**
AA10B	PSEG-SB35	10.1	NJD981084668-4/15/2005-2	38.0 - 38.5 ft	-27.9	-28.4	624962	W816	04/15/2005	remaining	N	N	< 0.96	U	20.0		5.4	B	< 1.1	U	10.1	B	**S1**
AA10B	PSEG-SB35	10.1	NJD981084668-4/15/2005-3	44.5 - 45.0 ft	-34.4	-34.9	624963	W816	04/15/2005	remaining	N	N	< 0.87	U	25.5		16.5		< 0.99	U	19.6		**S1**
AA10B	PSEG-SB35	10.1	NJD981084668-4/15/2005-4	44.5 - 45.0 ft	-34.4	-34.9	624964	W816	04/15/2005	remaining	FD	N	< 0.99	U	18.7		15.0		< 1.1	U	17.6		**S1**
AA11B	EF-06	10.3	EF-B06-2.5	2.5 - 3.0 ft	7.8	7.3	460-25254-12	460252541	04/12/2011	remaining	N	Y	4.3	J	334		27.0		< 1.2	U	51.5		**S2**
AA11B	EF-06	10.3	EF-B06-6.0	6.0 - 6.5 ft	4.3	3.8	460-25301-1	460253011	04/13/2011	remaining	N	Y	< 1.1	U	42.1	J	14.1		< 1.2	U	23.7		**S2**
AA11B	EF-06	10.3	EF-B06-12.0	12.0 - 12.5 ft	-1.7	-2.2	460-25301-3	460253011	04/13/2011	remaining	N	Y	< 1.0	U	91.9	J	8.9	J	< 1.1	U	15.5		**S2**
AA11B	EF-06	10.3	EF-B06-17.0	17.0 - 17.5 ft	-6.7	-7.2	460-25301-4	460253011	04/13/2011	remaining	N	Y	< 1.0	U	87.7	J	13.5		< 1.1	U	20.0		**S2**
AA11B	EF-06	10.3	EF-B06-22.0	22.0 - 22.5 ft	-11.7	-12.2	460-25301-5	460253011	04/13/2011	remaining	N	Y	< 1.1	U	129	J	8.7	J	< 1.2	U	16.3		**S2**
AA11B	FS2	10.0	FS2-8.0-8.5	8.0 - 8.5 ft	2.0	1.5	JB62810-1A	JB62810A	03/24/2014	remaining	N	Y	< 0.29	UJ	410		12.3		< 0.36	U	25.3		**S2**
AA11B	FS2	10.0	FS2-10.0-10.5	10.0 - 10.5 ft	0.0	-0.5	JB62810-3A	JB62810A	03/24/2014	remaining	N	Y	< 0.29	UJ	410		12.5		< 0.36	U	27.0		**S2**
AA11B	FS2	10.0	FS2-12.0-12.5	12.0 - 12.5 ft	-2.0	-2.5	JB62810-4A	JB62810A	03/24/2014	remaining	N	Y	< 0.28	UJ	97.9		9.2		< 0.35	U	17.0		**S2**
AA11B	FS2	10.0	FS2-15.0-15.5	15.0 - 15.5 ft	-5.0	-5.5	JB62810-5A	JB62810A	03/24/2014	remaining	N	Y	< 0.27	UJ	67.5		14.7		< 0.34	U	30.0		**S2**
AA11B	FS2	10.0	FS2-15.0-15.5X	15.0 - 15.5 ft	-5.0	-5.5	JB62810-6A	JB62810A	03/24/2014	remaining	FD	Y	< 0.27	UJ	67.8		17.1		< 0.33	U	27.1		**S2**
AA11B	FS2	10.0	FS2-17.0-17.5	17.0 - 17.5 ft	-7.0	-7.5	JB62810-7A	JB62810A	03/24/2014	remaining	N	Y	< 0.27	UJ	54.9		14.8		0.41	J	23.8		**S2**
AA11B	FS2	10.0	FS2-18.0-18.5	18.0 - 18.5 ft	-8.0	-8.5	JB62810-8A	JB62810A	03/24/2014	remaining	N	Y	< 0.26	UJ	30.4		5.3		< 0.33	U	15.4		**S2**
AA11B	FS2	10.0	FS2-20.0-20.5	20.0 - 20.5 ft	-10.0	-10.5	JB62810-10A	JB62810A	03/24/2014	remaining	N	Y	< 0.29	UJ	46.8		12.4		0.44	J	22.8		**S2**
AA11B	FS2	10.0	FS2-22.0-22.5	22.0 - 22.5 ft	-12.0	-12.5	JB62810-11A	JB62810A	03/24/2014	remaining	N	Y	< 0.29	UJ	44.2		11.4		< 0.36	U	22.2		**S2**
AA11B	FS2	10.0	FS2-24.0-24.5	24.0 - 24.5 ft	-14.0	-14.5	JB62810-12A	JB62810A	03/24/2014	remaining	N	Y	< 0.26	UJ	49.0		10.2		< 0.32	U	22.5		**S2**
AA11B	FS2	10.0	FS2-26.0-26.5	26.0 - 26.5 ft	-16.0	-16.5	JB62810-13A	JB62810A	03/24/2014	remaining	N	Y	< 0.28	UJ	45.7		6.2		< 0.35	U	13.0		**S2**
AA11B	FS2	10.0	FS2-28.0-28.5	28.0 - 28.5 ft	-18.0	-18.5	JB62810-14A	JB62810A	03/24/2014	remaining	N	Y	< 0.30	UJ	128		6.1		< 0.38	U	12.9		**S2**
AA11B	FS2	10.0	FS2-30.0-30.5	30.0 - 30.5 ft	-20.0	-20.5	JB62810-16A	JB62810A	03/24/2014	remaining	N	Y	< 0.29	UJ	7.5		4.0	J	< 0.36	U	10.9		**S2**
AA11B	FS2	10.0	FS2-32.0-32.5	32.0 - 32.5 ft	-22.0	-22.5	JB62810-17A	JB62810A	03/24/2014	remaining	N	Y	< 0.29	UJ	6.6		3.6	J	< 0.36	U	9.9		**S2**
AA11B	FS2	10.0	FS2-34.0-34.5	34.0 - 34.5 ft	-24.0	-24.5	JB62810-18A	JB62810A	03/24/2014	remaining	N	Y	< 0.28	UJ	6.7		3.9	J	< 0.35	U	11.1		**S2**
AA11B	FS2	10.0	FS2-36.0-36.5	36.0 - 36.5 ft	-26.0	-26.5	JB62810-19A	JB62810A	03/24/2014	remaining	N	Y	< 0.28	UJ	6.8		4.6	J	< 0.35	U	10.9		**S2**
AA11B	FS2	10.0	FS2-38.0-38.5	38.0 - 38.5 ft	-28.0	-28.5	JB62810-20A	JB62810A	03/24/2014	remaining	N	Y	< 0.29	UJ	6.7		4.6	J	< 0.36	U	10.9		**S2**
AA11B	FSTP3-SewerLine	9.7	FSTP3-6.8-7.3	6.8 - 7.3 ft	2.9	2.4	JB61214-2A	JB61214A	03/06/2014	remaining	N	Y	0.39	J	387		30.3		0.99	J	37.1		**S2**
BB10B	FS1	10.2	FS1-9.0-9.5	9.0 - 9.5 ft	1.2	0.7	JB63511-6A	JB63511A	04/01/2014	remaining	N	Y	< 0.34	UJ	38.1	J	6.2		< 0.52	U	14.9		
BB10B	FS1	10.2	FS1-11.0-11.5	11.0 - 11.5 ft	-0.8	-1.3	JB63511-8A	JB63511A	04/01/2014	remaining	N	Y	< 0.37	UJ	49.3	J	7.5		< 0.56	U	18.7		
BB10B	FS1	10.2	FS1-13.0-13.5	13.0 - 13.5 ft	-2.8	-3.3	JB63511-9A	JB63511A	04/01/2014	remaining	N	Y	< 0.34	UJ	50.2	J	5.3		< 0.51	U	13.8		
BB10B	FS1	10.2	FS1-15.0-15.5	15.0 - 15.5 ft	-4.8	-5.3	JB63511-10A	JB63511A	04/01/2014	remaining	N	Y	< 0.32	UJ	300	J	10.0		< 0.49	U	17.7		
BB10B	FS1	10.2	FS1-17.0-17.5	17.0 - 17.5 ft	-6.8	-7.3	JB63511-11A	JB63511A	04/01/2014	remaining	N	Y	< 0.30	UJ	501	J	6.5		< 0.46	U	13.6		
BB10B	FS1	10.2	FS1-20.0-20.5	20.0 - 20.5 ft	-9.8	-10.3	JB63511-13A	JB63511A	04/01/2014	remaining	N	Y	< 0.32	UJ	325	J	7.0		< 0.49	U	13.5		
BB10B	FS1	10.2	FS1-22.0-22.5	22.0 - 22.5 ft	-11.8	-12.3	JB63511-14A	JB63511A	04/01/2014	remaining	N	Y	< 0.32	UJ	102	J	5.6		< 0.48	U	12.5		
BB10B	FS1	10.2	FS1-25.0-25.5	25.0 - 25.5 ft	-14.8	-15.3	JB63511-15A	JB63511A	04/01/2014	remaining	N	Y	< 0.34	UJ	99.6	J	5.0		< 0.51	U	11.0		
BB10B	FS1	10.2	FS1-27.0-27.5	27.0 - 27.5 ft	-16.8	-17.3	JB63511-16A	JB63511A	04/01/2014	remaining	N	Y	< 0.33	UJ	24.8	J	6.6		< 1.5	U	12.9		
BB10B	FS1	10.2	FS1-29.0-29.5	29.0 - 29.5 ft	-18.8	-19.3	JB63511-17A	JB63511A	04/01/2014	remaining	N	Y	< 0.34	UJ	6.3	J	3.6	J	< 0.51	U	9.6		
BB10B	FS1	10.2	FS1-31.0-31.5	31.0 - 31.5 ft	-20.8	-21.3	JB63511-18A	JB63511A	04/01/2014	remaining	N	Y	< 0.33	UJ	33.6	J	4.3	J	< 0.49	U	10.4		
BB10B	FS1	10.2	FS1-33.0-33.5	33.0 - 33.5 ft	-22.8	-23.3	JB63511-20A	JB63511A	04/01/2014	remaining	N	Y	< 0.35	UJ	5.9	J	3.5	J	< 0.53	U	10.6		
BB10B	FS1	10.2	FS1-35.0-35.5	35.0 - 35.5 ft	-24.8	-25.3	JB63511-21A	JB63511A	04/01/2014	remaining	N	Y	< 0.34	UJ	10.3	J	7.7		< 0.51	U	14.4		

Table 5-2
CCPW Metals Analytical Results for In-Place Soil Compared to Soil Remediation Standards
Forrest Street, Garfield Avenue Group
PPG, Jersey City, New Jersey

												Analyte	ANTIMONY		CHROMIUM		NICKEL		THALLIUM		VANADIUM		
												CAS RN	7440-36-0		7440-47-3		7440-02-0		7440-28-0		7440-62-2		
												Units	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		
												RDCSRS	31		120000		1600		N/A		N/A		
												RDCSRS-GAG	N/A		N/A		N/A		N/A		N/A		
												NRDCSRS	450		N/A		23000		N/A		390		
Grid ID (G1)	Location ID (G2)	Location Elevation (ft NAVD88) (G3, G4)	Sample ID (G5)	Depth Interval (ft bgs) (G6)	Sample Start Elevation (ft NAVD88) (G4, G7, G8)	Sample End Elevation (ft NAVD88) (G4, G9)	Lab ID (G10)	Lab SDG (G10)	Date Collected (G11)	Sample Status (G12, G13)	Sample Type (G14)	Validated (Y/N) (G15)	Result (G16, G17)	Qualifier (G18, G19)	Result (G16, G20)	Qualifier (G18, G19)	Result (G16, G17)	Qualifier (G18, G19)	Result (G16, G17)	Qualifier (G18, G19)	Result (G16, G17)	Qualifier (G18, G19)	Specific Notes
BB10B	FS1	10.2	FS1-37.0-37.5	37.0 - 37.5 ft	-26.8	-27.3	JB63511-22A	JB63511A	04/01/2014	remaining	N	Y	< 0.33	UJ	7.4	J	5.5		< 0.49	U	12.5		
BB11B	EF-111A	10.4	EF-111A-0.4-0.9	0.4 - 0.9 ft	10.0	9.5	JB98041-3A	JB98041A	06/27/2015	remaining	N	Y	1.3	J	59.4		21.0		< 1.2	U	18.3		S2
BB11B	EF-111A	10.4	EF-111A-2.0-2.5	2.0 - 2.5 ft	8.4	7.9	JB98041-4A	JB98041A	06/27/2015	remaining	N	Y	< 0.35	UJ	23.3		12.9		0.35	J	49.8		S2
BB11B	EF-111A	10.4	EF-111A-3.0-3.5	3.0 - 3.5 ft	7.4	6.9	JB98041-5A	JB98041A	06/27/2015	remaining	N	Y	< 0.32	UJ	16.1		15.2		0.72	J	19.3		S2
BB11B	EF-111A	10.4	EF-111A-5.0-5.5	5.0 - 5.5 ft	5.4	4.9	JB98041-6A	JB98041A	06/27/2015	remaining	N	Y	< 0.31	UJ	14.1		18.2		0.58	J	17.8		S2
BB11B	EF-111A	10.4	EF-111A-5.0-5.5X	5.0 - 5.5 ft	5.4	4.9	JB98041-7A	JB98041A	06/27/2015	remaining	FD	Y	< 0.32	UJ	15.6		17.0		0.48	J	17.6		S2
BB11B	EF-111A	10.4	EF-111A-7.0-7.5	7.0 - 7.5 ft	3.4	2.9	JB98041-8A	JB98041A	06/27/2015	remaining	N	Y	< 0.31	UJ	62.9		18.2		0.78	J	19.7		S2
BB11B	EF-111A	10.4	EF-111A-8.0-8.5	8.0 - 8.5 ft	2.4	1.9	JB98041-9A	JB98041A	06/27/2015	remaining	N	Y	< 0.37	UJ	220		13.2		0.84	J	31.1		S2
BB11B	EF-111A	10.4	EF-111A-10.0-10.5	10.0 - 10.5 ft	0.4	-0.1	JB98041-12A	JB98041A	06/27/2015	remaining	N	Y	< 0.38	UJ	165		12.0		0.60	J	25.6		S2
BB11B	EF-111A	10.4	EF-111A-12.0-12.5	12.0 - 12.5 ft	-1.6	-2.1	JB98041-13A	JB98041A	06/27/2015	remaining	N	Y	< 0.37	UJ	45.6		6.7		0.53	J	14.9		S2
BB11B	EF-111A	10.4	EF-111A-13.0-13.5	13.0 - 13.5 ft	-2.6	-3.1	JB98041-14A	JB98041A	06/27/2015	remaining	N	Y	< 0.36	UJ	66.2		6.0		0.22	J	15.9		S2
BB11B	EF-111A	10.4	EF-111A-15.0-15.5	15.0 - 15.5 ft	-4.6	-5.1	JB98041-15A	JB98041A	06/27/2015	remaining	N	Y	< 0.35	UJ	93.3		8.9		0.58	J	20.8		S2
BB11B	EF-111A	10.4	EF-111A-17.0-17.5	17.0 - 17.5 ft	-6.6	-7.1	JB98041-16A	JB98041A	06/27/2015	remaining	N	Y	< 0.36	UJ	86.5		9.3		0.45	J	20.3		S2
BB11B	EF-111A	10.4	EF-111A-18.0-18.5	18.0 - 18.5 ft	-7.6	-8.1	JB98041-17A	JB98041A	06/27/2015	remaining	N	Y	< 0.38	UJ	13.5		3.5	J	< 0.23	U	8.8		S2
BB11B	EF-111A	10.4	EF-111A-20.0-20.5	20.0 - 20.5 ft	-9.6	-10.1	JB98041-20A	JB98041A	06/27/2015	remaining	N	Y	< 0.36	UJ	17.1		4.2	J	< 0.22	U	9.6		S2
BB11B	EF-111A	10.4	EF-111A-22.0-22.5	22.0 - 22.5 ft	-11.6	-12.1	JB98041-21A	JB98041A	06/27/2015	remaining	N	Y	< 0.35	UJ	22.4		5.1		< 0.21	U	9.8		S2
BB11B	EF-111A	10.4	EF-111A-23.0-23.5	23.0 - 23.5 ft	-12.6	-13.1	JB98041-22A	JB98041A	06/27/2015	remaining	N	Y	< 0.36	UJ	39.7		4.3	J	0.33	J	10.2		S2
BB11B	EF-111A	10.4	EF-111A-25.0-25.5	25.0 - 25.5 ft	-14.6	-15.1	JB98041-23A	JB98041A	06/27/2015	remaining	N	Y	< 0.37	UJ	45.3		6.8		0.28	J	11.1		S2
BB11B	EF-111A	10.4	EF-111A-30.0-30.5	30.0 - 30.5 ft	-19.6	-20.1	JB98041-26A	JB98041A	06/27/2015	remaining	N	Y	< 0.31	UJ	19.7		5.5		0.26	J	10.7		S2
BB11B	EF-111A	10.4	EF-111A-32.0-32.5	32.0 - 32.5 ft	-21.6	-22.1	JB98041-27A	JB98041A	06/27/2015	remaining	N	Y	< 0.38	UJ	16.0		5.4		0.39	J	11.2		S2
BB11B	EF-111A	10.4	EF-111A-33.0-33.5	33.0 - 33.5 ft	-22.6	-23.1	JB98041-28A	JB98041A	06/27/2015	remaining	N	Y	< 0.39	UJ	6.9		3.9	J	0.34	J	9.6		S2
BB11B	EF-111A	10.4	EF-111A-35.0-35.5	35.0 - 35.5 ft	-24.6	-25.1	JB98041-29A	JB98041A	06/27/2015	remaining	N	Y	< 0.36	UJ	9.3		3.9	J	0.55	J	9.6		S2
BB11B	EF-111A	10.4	EF-111A-37.0-37.5	37.0 - 37.5 ft	-26.6	-27.1	JB98041-30A	JB98041A	06/27/2015	remaining	N	Y	< 0.38	UJ	8.8		6.8		0.41	J	13.2		S2
BB11B	EF-111A	10.4	EF-111A-39.0-39.5	39.0 - 39.5 ft	-28.6	-29.1	JB98041-31A	JB98041A	06/27/2015	remaining	N	Y	< 0.39	UJ	9.0		7.3		0.27	J	13.2		S2
BB11B	EF-111A	10.4	EF-111A-39.5-40.0	39.5 - 40.0 ft	-29.1	-29.6	JB98041-32A	JB98041A	06/27/2015	remaining	N	Y	< 0.38	UJ	7.5		5.3		0.32	J	12.1		S2
BB11B	FS3	10.1	FS3-1.0-1.5	1.0 - 1.5 ft	9.1	8.6	JB62507-1A	JB62507A	03/20/2014	remaining	N	Y	< 0.31	UJ	18.2		12.4		< 0.38	U	15.0		S2
BB11B	FS3	10.1	FS3-3.0-3.5	3.0 - 3.5 ft	7.1	6.6	JB62507-2A	JB62507A	03/20/2014	remaining	N	Y	0.51	J	14.4		15.5		< 0.30	U	18.0		S2
BB11B	FS3	10.1	FS3-3.0-3.5X	3.0 - 3.5 ft	7.1	6.6	JB62507-3A	JB62507A	03/20/2014	remaining	FD	Y	0.35	J	13.2		14.6		0.41	J	16.8		S2
BB11B	FS3	10.1	FS3-5.0-5.5	5.0 - 5.5 ft	5.1	4.6	JB62507-4A	JB62507A	03/20/2014	remaining	N	Y	< 0.24	UJ	622		15.0		< 0.30	U	16.2		S2
BB11B	FS3	10.1	FS3-7.0-7.5	7.0 - 7.5 ft	3.1	2.6	JB62507-5A	JB62507A	03/20/2014	remaining	N	Y	< 0.25	UJ	188		13.1		< 0.30	U	28.3		S2
BB11B	FS3	10.1	FS3-9.0-9.5	9.0 - 9.5 ft	1.1	0.6	JB62507-6A	JB62507A	03/20/2014	remaining	N	Y	< 0.24	UJ	154		10.3		< 0.29	U	25.8		S2
BB11B	FS3	10.1	FS3-11.0-11.5	11.0 - 11.5 ft	-0.9	-1.4	JB62507-8A	JB62507A	03/20/2014	remaining	N	Y	< 0.28	UJ	124		11.9		< 0.34	U	38.6		S2
BB11B	FS3	10.1	FS3-13.0-13.5	13.0 - 13.5 ft	-2.9	-3.4	JB62507-9A	JB62507A	03/20/2014	remaining	N	Y	< 0.28	UJ	61.9		10.2		< 0.34	U	18.4		S2
BB11B	FS3	10.1	FS3-15.0-15.5	15.0 - 15.5 ft	-4.9	-5.4	JB62507-10A	JB62507A	03/20/2014	remaining	N	Y	< 0.27	UJ	38.5		8.5		< 0.34	U	23.5		S2
BB11B	FS3	10.1	FS3-20.0-20.5	20.0 - 20.5 ft	-9.9	-10.4	JB62507-12A	JB62507A	03/20/2014	remaining	N	Y	< 0.28	UJ	29.2		9.4		< 0.35	U	14.6		S2
BB11B	FS3	10.1	FS3-22.0-22.5	22.0 - 22.5 ft	-11.9	-12.4	JB62507-13A	JB62507A	03/20/2014	remaining	N	Y	< 0.30	UJ	34.3		7.0		< 0.37	U	14.8		S2
BB11B	FS3	10.1	FS3-24.0-24.5	24.0 - 24.5 ft	-13.9	-14.4	JB62507-14A	JB62507A	03/20/2014	remaining	N	Y	< 0.28	UJ	41.4		5.4		< 0.35	U	12.3		S2
BB11B	FS3	10.1	FS3-26.0-26.5	26.0 - 26.5 ft	-15.9	-16.4	JB62507-15A	JB62507A	03/20/2014	remaining	N	Y	< 0.29	UJ	70.8		3.2	J	< 0.36	U	8.2		S2
BB11B	FS3	10.1	FS3-28.0-28.5	28.0 - 28.5 ft	-17.9	-18.4	JB62507-16A	JB62507A	03/20/2014	remaining	N	Y	< 0.30	UJ	13.0		6.1		0.53	J	13.4		S2
BB11B	FS3	10.1	FS3-30.0-30.5	30.0 - 30.5 ft	-19.9	-20.4	JB62507-18A	JB62507A	03/20/2014	remaining	N	Y	< 0.30	UJ	16.9		10.6		< 0.38	U	16.6		S2
BB11B	FS3	10.1	FS3-32.0-32.5	32.0 - 32.5 ft	-21.9	-22.4	JB62507-19A	JB62507A	03/20/2014	remaining	N	Y	< 0.27	UJ	7.6		3.5	J	< 0.33	U	9.5		S2
BB11B	FS3	10.1	FS3-35.0-35.5	35.0 - 35.5 ft	-24.9	-25.4	JB62507-20A	JB62507A	03/20/2014	remaining	N	Y	< 0.30	UJ	7.0		3.3	J	< 0.37	U	9.5		S2
BB11B	FS3	10.1	FS3-37.0-37.5	37.0 - 37.5 ft	-26.9	-27.4	JB62507-21A	JB62507A	03/20/2014	remaining	N	Y	< 0.28	UJ	6.4		4.1	J	< 0.34	U	10.1		S2
BB11B	FS4	10.1	FS4-1.0-1.5	1.0 - 1.5 ft	9.1	8.6	JB62666-1A	JB62666A	03/21/2014	remaining	N	Y	1.2	J	158		19.4		0.67	J	20.2		S2
BB11B	FS4	10.1	FS4-3.0-3.5	3.0 - 3.5 ft	7.1	6.6	JB62666-2A	JB62666A	03/21/2014	remaining	N	Y	0.85	J	13.4		14.4		< 0.36	U	19.0		S2
BB11B	FS4	10.1	FS4-3.0-3.5X	3.0 - 3.5 ft	7.1	6.6	JB62666-3A	JB62666A	03/21/2014	remaining	FD	Y	1.1	J	14.2		15.7		< 0.39	U	19.1		S2
BB11B	FS4	10.1	FS4-5.0-5.5	5.0 - 5.5 ft	5.1	4.6	JB62666-4A	JB62666A	03/21/2014	remaining	N	Y	< 0.30	UJ	15.4		15.0		< 0.38	U	19.1		S2
BB11B	FS4	10.1	FS4-7.0-7.5	7.0 - 7.5 ft	3.1	2.6	JB62666-5A	JB62666A	03/21/2014	remaining	N	Y	0.52	J	560		16.9		< 0.36	U	18.4		S2
BB11B	FS4	10.1	FS4-9.0-9.5	9.0 - 9.5 ft	1.1	0.6	JB62666-6A	JB62666A	03/21/2014	remaining	N	Y	< 0.28	UJ	471		14.7		< 0.35	U	38.3		S2
BB11B	FS4	10.1	FS4-11.0-11.5	11.0 - 11.5 ft	-0.9	-1.4	JB62666-8A	JB62666A	03/21/2014	remaining	N	Y	< 0.26	UJ	77.8		11.3		< 0.32	U	19.2		S2
BB11B	FS4	10.1	FS4-15.0-15.5	15.0 - 15.5 ft	-4.9	-5.4	JB62666-9A	JB62666A	03/21/2014	remaining	N	Y	< 0.28	UJ	44.5		8.9		< 0.35	U	22.7		S2
BB11B	FS4	10.1	FS4-20.0-20.5	20.0 - 20.5 ft	-9.9	-10.4	JB62666-11A	JB62666A	03/21/2014	remaining	N	Y	0.50	J	57.4		16.9		< 0.33	U	30.3		S2
BB11B	FS4	10.1	FS4-22.0-22.5	22.0 - 22.5 ft	-11.9	-12.4	JB62666-12A	JB62666A	03/21/2014	remaining	N	Y	< 0.26	UJ	38.3		9.6		< 0.33	U	25.6		S2
BB11B	FS4	10.1	FS4-24.0-24.5	24.0 - 24.5 ft	-13.9	-14.4	JB62666-13A	JB62666A	03/21/2014	remaining	N	Y	< 0.27	UJ	25.2		6.3		< 0.34	U	14.8		S2
BB11B	FS4	10.1	FS4-26.0-26.5	26.0 - 26.5 ft	-15.9	-16.4	JB62666-14A	JB62666A	03/21/2014	remaining	N	Y	< 0.29	UJ	115		4.1	J	< 0.35	U	9.9		S2
BB11B	FS4	10.1	FS4-28.0-28.5	28.0 - 28.5 ft	-17.9	-18.4	JB62666-15A	JB62666A	03/21/2014	remaining	N	Y	< 0.28	UJ	54.8		7.0		< 0.34	U	14.4		S2
BB11B	FS4	10.1	FS4-30.0-30.5	30.0 - 30.5 ft	-19.9	-20.4	JB62666-17A	JB62666A	03/21/2014	remaining	N	Y	< 0.28	UJ	24.1		6.3		< 0.35	U	14.3		S2
BB11B	FS4	10.1	FS4-32.0-32.5	32.0 - 32.5 ft	-21.9	-22.4	JB62666-18A	JB62666A	03/21/2014	remaining	N	Y	< 0.29	UJ	8.4		4.3	J	< 0.36	U	11.7		S2

Table 5-2
CCPW Metals Analytical Results for In-Place Soil Compared to Soil Remediation Standards
Forrest Street, Garfield Avenue Group
PPG, Jersey City, New Jersey

												Analyte	ANTIMONY		CHROMIUM		NICKEL		THALLIUM		VANADIUM		
												CAS RN	7440-36-0		7440-47-3		7440-02-0		7440-28-0		7440-62-2		
												Units	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		
												RDCSRS	31		120000		1600		N/A		N/A		
												RDCSRS-GAG	N/A		N/A		N/A		N/A		N/A		
												NRDCSRS	450		N/A		23000		N/A		1100		
Grid ID (G1)	Location ID (G2)	Location Elevation (ft NAVD88) (G3, G4)	Sample ID (G5)	Depth Interval (ft bgs) (G6)	Sample Start Elevation (ft NAVD88) (G4, G7, G8)	Sample End Elevation (ft NAVD88) (G4, G9)	Lab ID (G10)	Lab SDG (G10)	Date Collected (G11)	Sample Status (G12, G13)	Sample Type (G14)	Validated (Y/N) (G15)	Result (G16, G17)	Qualifier (G18, G19)	Result (G16, G20)	Qualifier (G18, G19)	Result (G16, G17)	Qualifier (G18, G19)	Result (G16, G17)	Qualifier (G18, G19)	Result (G16, G17)	Qualifier (G18, G19)	Specific Notes
BB11B	FS4	10.1	FS4-35.0-35.5	35.0 - 35.5 ft	-24.9	-25.4	JB62666-19A	JB62666A	03/21/2014	remaining	N	Y	< 0.28	UJ	8.3		5.9		< 0.35	U	13.5		S2
BB11B	FS4	10.1	FS4-37.0-37.5	37.0 - 37.5 ft	-26.9	-27.4	JB62666-20A	JB62666A	03/21/2014	remaining	N	Y	< 0.28	UJ	7.1		5.1		< 0.35	U	11.8		S2
BB11B	FSTP2-WaterLine1	9.9	FSTP2-4.3-4.8	4.3 - 4.8 ft	5.6	5.1	JB61122-26A	JB61122A	03/05/2014	remaining	N	Y	< 0.24	UJ	5.7		9.4		< 0.30	U	88.3		S2
BB11B	FSTP3-WaterLine1	9.8	FSTP3-4.6-5.1	4.6 - 5.1 ft	5.2	4.7	JB61214-1A	JB61214A	03/06/2014	remaining	N	Y	0.38	J	44.5		23.4		< 0.35	U	30.4		S2
CC9B	PSEG-SB48	10.9	NJD981084668-11/28/2006-SB48_10	10.0 - 10.5 ft	0.9	0.4	788115	A102	11/28/2006	remaining	N	N	< 1.5	U	48.5		6.1	B	< 1.2	U	14.5		S1
CC9B	PSEG-SB48	10.9	NJD981084668-11/29/2006-SB48_26	26.5 - 27.0 ft	-15.6	-16.1	788116	A102	11/29/2006	remaining	N	N	< 1.5	U	5		3.1	B	< 1.2	U	7.3	B	S1
CC9B	PSEG-SB48	10.9	NJD981084668-11/29/2006-SB48_34	34.0 - 34.5 ft	-23.1	-23.6	788117	A102	11/29/2006	remaining	N	N	< 1.3	U	7		4.6	B	< 1.1	U	9	B	S1
CC9B	PSEG-SB48	10.9	NJD981084668-11/29/2006-SB48_39	39.0 - 39.5 ft	-28.1	-28.6	788118	A102	11/29/2006	remaining	N	N	< 1.4	U	12.4		9.1	B	< 1.2	U	12.3		S1
CC10B	P4-FOR-CC10B	10.7	P4-FOR-CC10B-3.0-3.5	3.0 - 3.5 ft	7.7	7.2	JC22855-5A	JC22855A	06/23/2016	remaining	N	Y	< 0.35	UJ	16.9		8.9		< 0.47	U	18.2		S2
CC10B	P4-FOR-CC10B	10.7	P4-FOR-CC10B-5.0-5.5	5.0 - 5.5 ft	5.7	5.2	JC22855-6A	JC22855A	06/23/2016	remaining	N	Y	< 0.34	UJ	28.4		9.2		< 0.46	U	20.4		S2
CC10B	P4-FOR-CC10B	10.7	P4-FOR-CC10B-7.0-7.5	7.0 - 7.5 ft	3.7	3.2	JC22855-7A	JC22855A	06/23/2016	remaining	N	Y	< 0.35	UJ	644		12.2		< 0.48	U	15.9		S2
CC10B	P4-FOR-CC10B	10.7	P4-FOR-CC10B-9.0-9.5	9.0 - 9.5 ft	1.7	1.2	JC22855-8A	JC22855A	06/23/2016	remaining	N	Y	< 0.35	UJ	596		5.9		< 0.48	U	6.3		S2
CC10B	P4-FOR-CC10B	10.7	P4-FOR-CC10B-10.5-11.0	10.5 - 11.0 ft	0.2	-0.3	JC22855-3A	JC22855A	06/23/2016	remaining	N	Y	< 0.23	UJ	687		9.0		< 0.31	U	14.0		S2
CC10B	P4-FOR-CC10B	10.7	P4-FOR-CC10B-11.0-11.5	11.0 - 11.5 ft	-0.3	-0.8	JC22855-4A	JC22855A	06/23/2016	remaining	N	Y	< 0.35	UJ	248		6.2		< 0.47	U	11.7		S2
CC11B	EF-110A	11.1	EF110A-0.8-1.3	0.8 - 1.3 ft	10.3	9.8	JB97556-3A	JB97556A	06/20/2015	remaining	N	Y	1.4	J	16.1		23.2		< 1.1	U	17.7		S2
CC11B	EF-110A	11.1	EF110A-2.0-2.5	2.0 - 2.5 ft	9.1	8.6	JB97556-4A	JB97556A	06/20/2015	remaining	N	Y	< 0.36	U	16.4		14.7		< 0.22	U	24.4		S2
CC11B	EF-110A	11.1	EF110A-3.0-3.5	3.0 - 3.5 ft	8.1	7.6	JB97556-5A	JB97556A	06/20/2015	remaining	N	Y	< 0.38	U	16.5		14.6		< 0.23	U	27.1		S2
CC11B	EF-110A	11.1	EF110A-5.0-5.5	5.0 - 5.5 ft	6.1	5.6	JB97556-6A	JB97556A	06/20/2015	remaining	N	Y	< 0.39	U	14.5		18.1		< 0.24	U	19.8		S2
CC11B	EF-110A	11.1	EF110A-7.0-7.5	7.0 - 7.5 ft	4.1	3.6	JB97556-7A	JB97556A	06/20/2015	remaining	N	Y	< 0.37	U	18.0		13.2		< 0.23	U	30.6		S2
CC11B	EF-110A	11.1	EF110A-8.0-8.5	8.0 - 8.5 ft	3.1	2.6	JB97556-8A	JB97556A	06/20/2015	remaining	N	Y	< 0.35	U	16.9		12.7		< 0.21	U	27.9		S2
CC11B	EF-110A	11.1	EF110A-10.0-10.5	10.0 - 10.5 ft	1.1	0.6	JB97556-11A	JB97556A	06/20/2015	remaining	N	Y	< 0.37	UJ	20.7		13.5		< 0.23	U	28.9		S2
CC11B	EF-110A	11.1	EF110A-12.0-12.5	12.0 - 12.5 ft	-0.9	-1.4	JB97556-12A	JB97556A	06/20/2015	remaining	N	Y	< 0.35	U	95.9		12.7		< 0.22	U	23.2		S2
CC11B	EF-110A	11.1	EF110A-12.0-12.5X	12.0 - 12.5 ft	-0.9	-1.4	JB97556-13A	JB97556A	06/20/2015	remaining	FD	Y	< 0.34	U	87.7		8.6		< 0.21	U	16.2		S2
CC11B	EF-110A	11.1	EF110A-14.0-14.5	14.0 - 14.5 ft	-2.9	-3.4	JB97556-14A	JB97556A	06/20/2015	remaining	N	Y	< 0.36	U	93.9		11.9		< 0.22	U	22.9		S2
CC11B	EF-110A	11.1	EF110A-16.0-16.5	16.0 - 16.5 ft	-4.9	-5.4	JB97556-15A	JB97556A	06/20/2015	remaining	N	Y	< 0.35	U	230		6.1		< 0.21	U	13.3		S2
CC11B	EF-110A	11.1	EF110A-18.0-18.5	18.0 - 18.5 ft	-6.9	-7.4	JB97556-16A	JB97556A	06/20/2015	remaining	N	Y	< 0.36	U	97.8		4.9		< 0.22	U	11.9		S2
CC11B	EF-110A	11.1	EF110A-20.0-20.5	20.0 - 20.5 ft	-8.9	-9.4	JB97556-19A	JB97556A	06/20/2015	remaining	N	Y	< 0.39	U	102		4.5	J	< 0.24	U	12.0		S2
CC11B	EF-110A	11.1	EF110A-22.0-22.5	22.0 - 22.5 ft	-10.9	-11.4	JB97556-20A	JB97556A	06/20/2015	remaining	N	Y	< 0.39	U	143		3.8	J	< 0.24	U	8.6		S2
CC11B	EF-110A	11.1	EF110A-24.0-24.5	24.0 - 24.5 ft	-12.9	-13.4	JB97556-21A	JB97556A	06/20/2015	remaining	N	Y	< 0.36	UJ	88.4		3.8	J	< 0.22	U	8.4		S2
CC11B	EF-110A	11.1	EF110A-26.0-26.5	26.0 - 26.5 ft	-14.9	-15.4	JB97556-22A	JB97556A	06/20/2015	remaining	N	Y	< 0.37	UJ	49.4		3.5	J	< 0.23	U	8.3		S2
CC11B	EF-110A	11.1	EF110A-28.0-28.5	28.0 - 28.5 ft	-16.9	-17.4	JB97556-23A	JB97556A	06/20/2015	remaining	N	Y	< 0.35	UJ	44.1		3.4	J	< 0.22	U	8.1		S2
CC11B	EF-110A	11.1	EF110A-30.0-30.5	30.0 - 30.5 ft	-18.9	-19.4	JB97556-28A	JB97556A	06/20/2015	remaining	N	Y	< 0.39	UJ	27.2		11.5		< 0.24	U	15.4		S2
CC11B	EF-110A	11.1	EF110A-32.0-32.5	32.0 - 32.5 ft	-20.9	-21.4	JB97556-29A	JB97556A	06/20/2015	remaining	N	Y	< 0.41	UJ	14.0		5.2		< 0.25	U	11.5		S2
CC11B	EF-110A	11.1	EF110A-34.0-34.5	34.0 - 34.5 ft	-22.9	-23.4	JB97556-30A	JB97556A	06/20/2015	remaining	N	Y	< 0.40	UJ	6.3		3.7	J	< 0.24	U	10.2		S2
CC11B	EF-110A	11.1	EF110A-36.0-36.5	36.0 - 36.5 ft	-24.9	-25.4	JB97556-31A	JB97556A	06/20/2015	remaining	N	Y	< 0.38	UJ	10.0		8.2		< 0.23	U	12.9		S2
CC11B	EF-110A	11.1	EF110A-38.0-38.5	38.0 - 38.5 ft	-26.9	-27.4	JB97556-32A	JB97556A	06/20/2015	remaining	N	Y	< 0.37	UJ	8.2		6.2		< 0.23	U	11.8		S2
CC11B	EF-110A	11.1	EF110A-39.5-40.0	39.5 - 40.0 ft	-28.4	-28.9	JB97556-33A	JB97556A	06/20/2015	remaining	N	Y	< 0.37	UJ	8.5		6.2		< 0.23	U	13.1		S2
DD10B	FS23	11.3	FS23-2.0-2.5	2.0 - 2.5 ft	9.3	8.8	JB98947-2A	JB98947A	07/11/2015	remaining	N	Y	< 0.38	UJ	16.2		16.7		0.72	J	20.1		
DD10B	FS23	11.3	FS23-2.0-2.5X	2.0 - 2.5 ft	9.3	8.8	JB98947-3A	JB98947A	07/11/2015	remaining	FD	Y	< 0.39	UJ	16.6		16.7		0.58	J	19.8		
DD10B	FS23	11.3	FS23-3.0-3.5	3.0 - 3.5 ft	8.3	7.8	JB98947-4A	JB98947A	07/11/2015	remaining	N	Y	< 0.31	UJ	14.9		15.8		0.41	J	20.1		
DD10B	FS23	11.3	FS23-5.0-5.5	5.0 - 5.5 ft	6.3	5.8	JB98947-5A	JB98947A	07/11/2015	remaining	N	Y	< 0.38	UJ	20.2		15.0		0.79	J	34.7		
DD10B	FS23	11.3	FS23-7.0-7.5	7.0 - 7.5 ft	4.3	3.8	JB98947-6A	JB98947A	07/11/2015	remaining	N	Y	< 0.36	UJ	17.0		13.5		0.64	J	28.8		
DD10B	FS23	11.3	FS23-9.0-9.5	9.0 - 9.5 ft	2.3	1.8	JB98947-7A	JB98947A	07/11/2015	remaining	N	Y	< 0.35	UJ	8.9		7.1		0.44	J	15.0		
DD10B	FS23	11.3	FS23-10.0-10.5	10.0 - 10.5 ft	1.3	0.8	JB98947-10A	JB98947A	07/11/2015	remaining	N	Y	< 0.39	UJ	13.9		9.1		0.50	J	15.2		
DD10B	FS23	11.3	FS23-12.0-12.5	12.0 - 12.5 ft	-0.7	-1.2	JB98947-11A	JB98947A	07/11/2015	remaining	N	Y	< 0.35	UJ	19.4		12.4		0.74	J	22.5		
DD10B	FS23	11.3	FS23-15.0-15.5	15.0 - 15.5 ft	-3.7	-4.2	JB98947-12A	JB98947A	07/11/2015	remaining	N	Y	< 0.38	UJ	10.9		6.9		0.33	J	14.4		
DD10B	FS23	11.3	FS23-17.0-17.5	17.0 - 17.5 ft	-5.7	-6.2	JB98947-13A	JB98947A	07/11/2015	remaining	N	Y	< 0.36	UJ	9.5		7.6		0.38	J	16.3		
DD10B	FS23	11.3	FS23-18.0-18.5	18.0 - 18.5 ft	-6.7	-7.2	JB98947-14A	JB98947A	07/11/2015	remaining	N	Y	< 0.35	UJ	6.0		4.3	J	< 0.22	U	9.9		
DD10B	FS23	11.3	FS23-20.0-20.5	20.0 - 20.5 ft	-8.7	-9.2	JB98947-17A	JB98947A	07/11/2015	remaining	N	Y	< 0.36	UJ	8.8		6.7		0.34	J	11.3		
DD10B	FS23	11.3	FS23-22.0-22.5	22.0 - 22.5 ft	-10.7	-11.2	JB98947-18A	JB98947A	07/11/2015	remaining	N	Y	< 0.37	UJ	7.7		4.2	J	< 0.22	U	8.8		
DD10B	FS23	11.3	FS23-24.0-24.5	24.0 - 24.5 ft	-12.7	-13.2	JB98947-19A	JB98947A	07/11/2015	remaining	N	Y	< 0.39	UJ	6.8		4.8	J	0.34	J	10.6		
DD10B	FS23	11.3	FS23-26.0-26.5	26.0 - 26.5 ft	-14.7	-15.2	JB98947-20A	JB98947A	07/11/2015	remaining	N	Y	< 0.31	UJ	7.5		5.4		0.29	J	11.6		
DD10B	FS23	11.3	FS23-28.0-28.5	28.0 - 28.5 ft	-16.7	-17.2	JB98947-21A	JB98947A	07/11/2015	remaining	N	Y	< 0.39	UJ	6.0		3.6	J	< 0.24	U	9.9		
DD10B	FS23	11.3	FS23-30.0-30.5	30.0 - 30.5 ft	-18.7	-19.2	JB98947-24A	JB98947A	07/11/2015	remaining	N	Y	< 0.36	UJ	9.1		5.7		< 0.22	U	12.1		
DD10B	FS23	11.3	FS23-32.0-32.5	32.0 - 32.5 ft	-20.7	-21.2	JB98947-25A	JB98947A	07/11/2015	remaining	N	Y	< 0.40	UJ	9.7		7.6		< 0.25	U	14.1		
DD10B	FS23	11.3	FS23-34.0-34.5	34.0 - 34.5 ft	-22.7	-23.2	JB98947-26A	JB98947A	07/11/2015	remaining	N	Y	< 0.39	UJ	11.0		9.9		< 0.24	U	14.6		
DD10B	FS23	11.3	FS23-36.0-36.5	36.0 - 36.5 ft	-24.7	-25.2	JB98947-29A	JB98947A	07/11/2015	remaining	N	Y	< 0.42	UJ	11.3		9.4		0.28	J	16.0		
DD10B	FS23	11.3	FS23-38.0-38.5	38.0 - 38.5 ft	-26.7	-27.2	JB98947-30A	JB98947A	07/11/2015	remaining	N	Y	< 0.36	UJ	8.7		6.7		< 0.22	U	13.1		

Table 5-2
CCPW Metals Analytical Results for In-Place Soil Compared to Soil Remediation Standards
Forrest Street, Garfield Avenue Group
PPG, Jersey City, New Jersey

												Analyte	ANTIMONY		CHROMIUM		NICKEL		THALLIUM		VANADIUM		
												CAS RN	7440-36-0		7440-47-3		7440-02-0		7440-28-0		7440-62-2		
												Units	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		
												RDCSRS	31		120000		1600		N/A		N/A		
												RDCSRS-GAG	N/A		N/A		N/A		N/A		N/A		
												NRDCSRS	450		N/A		23000		N/A		1100		
Grid ID (G1)	Location ID (G2)	Location Elevation (ft NAVD88) (G3, G4)	Sample ID (G5)	Depth Interval (ft bgs) (G6)	Sample Start Elevation (ft NAVD88) (G4, G7, G8)	Sample End Elevation (ft NAVD88) (G4, G9)	Lab ID (G10)	Lab SDG (G10)	Date Collected (G11)	Sample Status (G12, G13)	Sample Type (G14)	Validated (Y/N) (G15)	Result (G16, G17)	Qualifier (G18, G19)	Result (G16, G20)	Qualifier (G18, G19)	Result (G16, G17)	Qualifier (G18, G19)	Result (G16, G17)	Qualifier (G18, G19)	Result (G16, G17)	Qualifier (G18, G19)	Specific Notes
DD10B	FS23	11.3	FS23-39.5-40.0	39.5 - 40.0 ft	-28.2	-28.7	JB98947-31A	JB98947A	07/11/2015	remaining	N	Y	< 0.37	UJ	9.0		6.6		< 0.23	U	13.3		
FF8B	PSEG-SB34	11.8	NJD981084668-4/14/2005-1	18.0 - 18.5 ft	-6.2	-6.7	624630	W773	04/14/2005	remaining	N	N	< 0.90	U	5.8		3.8	B	< 1.0	U	7.1	B	**S1**
FF8B	PSEG-SB34	11.8	NJD981084668-4/14/2005-2	38.0 - 38.5 ft	-26.2	-26.7	624631	W773	04/14/2005	remaining	N	N	< 0.92	U	4.9		3.8	B	< 1.0	U	6.9	B	**S1**
FF9B	P4-FOR-FF9B	12.2	P4-FOR-FF9B-1.0-1.5	1.0 - 1.5 ft	11.2	10.7	JC22855-9A	JC22855A	06/23/2016	remaining	N	Y	< 0.30	UJ	111		26.4		< 8.1	U	29.4	J	
FF9B	P4-FOR-FF9B	12.2	P4-FOR-FF9B-3.0-3.5	3.0 - 3.5 ft	9.2	8.7	JC22855-12A	JC22855A	06/23/2016	remaining	N	Y	< 0.35	UJ	23.2		18.6		< 0.48	U	19.6		
FF9B	P4-FOR-FF9B	12.2	P4-FOR-FF9B-3.0-3.5X	3.0 - 3.5 ft	9.2	8.7	JC22855-13A	JC22855A	06/23/2016	remaining	FD	Y	< 0.33	UJ	20.7		20.1		< 0.45	U	20.6		
FF9B	P4-FOR-FF9B	12.2	P4-FOR-FF9B-5.0-5.5	5.0 - 5.5 ft	7.2	6.7	JC22855-14A	JC22855A	06/23/2016	remaining	N	Y	< 0.36	UJ	167		28.2		< 0.49	U	46.7		
FF9B	P4-FOR-FF9B	12.2	P4-FOR-FF9B-7.0-7.5	7.0 - 7.5 ft	5.2	4.7	JC22855-15A	JC22855A	06/23/2016	remaining	N	Y	< 0.37	UJ	58.9		42.1		< 0.50	U	69.4		
FF9B	P4-FOR-FF9B	12.2	P4-FOR-FF9B-9.0-9.5	9.0 - 9.5 ft	3.2	2.7	JC22855-16A	JC22855A	06/23/2016	remaining	N	Y	< 0.35	UJ	21.2		2.2	J	< 0.47	U	11.7		
FF9B	P4-FOR-FF9B	12.2	P4-FOR-FF9B-11.0-11.5	11.0 - 11.5 ft	1.2	0.7	JC22855-10A	JC22855A	06/23/2016	remaining	N	Y	< 0.35	UJ	127		4.0	J	< 0.48	U	14.0		
FF9B	P4-FOR-FF9B	12.2	P4-FOR-FF9B-11.5-12.0	11.5 - 12.0 ft	0.7	0.2	JC22855-11A	JC22855A	06/23/2016	remaining	N	Y	< 0.34	UJ	7.2		5.0		< 0.47	U	11.2		
GG8B	P4-FOR-GG8B	12.9	P4-FOR-GG8B-2.5-3.0	2.5 - 3.0 ft	10.4	9.9	JC22963-2	JC22963	06/24/2016	remaining	N	Y									12.8		
GG9B	P4-FOR-GG9B	13.1	P4-FOR-GG9B-2.5-3.0	2.5 - 3.0 ft	10.6	10.1	JC22963-1	JC22963	06/24/2016	remaining	N	Y									23.8		
HH8B	EF-07	13.3	EF-B07-2.5	2.5 - 3.0 ft	10.8	10.3	460-25301-13	460253011	04/13/2011	remaining	N	Y									234		
HH8B	EF-07	13.3	EF-B07-6.0	6.0 - 6.5 ft	7.3	6.8	460-25350-1	460253501	04/14/2011	remaining	N	Y									20.4		
HH8B	EF-07	13.3	EF-B07-11.0	11.0 - 11.5 ft	2.3	1.8	460-25350-2	460253501	04/14/2011	remaining	N	Y									28.1		
HH8B	EF-07	13.3	EF-B07-17.0	17.0 - 17.5 ft	-3.7	-4.2	460-25350-3	460253501	04/14/2011	remaining	N	Y									13.8		
HH8B	EF-07	13.3	EF-B07-22.0	22.0 - 22.5 ft	-8.7	-9.2	460-25350-4	460253501	04/14/2011	remaining	N	Y									8.5	J	
HH8B	P4-FOR-HH8B	13.4	P4-FOR-HH8B-2.5-3.0	2.5 - 3.0 ft	10.9	10.4	JC23102-3	JC23102	06/27/2016	remaining	N	Y									34.0		
HH9B	EF-109	13.5	EF-B109-1.0-1.5	1.0 - 1.5 ft	12.5	12.0	JB15988-14	JB15988	09/11/2012	remaining	N	Y	1.0	J			15.4						
HH9B	P4-FOR-HH9B	14.1	P4-FOR-HH9B-2.5-3.0	2.5 - 3.0 ft	11.6	11.1	JC23102-4	JC23102	06/28/2016	remaining	N	Y									23.8		
W11B	FSP-W11B-PB	10.6	FSP-W11B-PB-10.2-10.7P	10.2 - 10.7 ft	0.4	-0.1	JC46207-2	JC46207	06/30/2017	remaining	N	Y	< 1.5	UJ	3090	J	28.1	J	< 1.6	UJ	44.1	J	
X11B	FS17	10.2	FS17-5.0-5.5	5.0 - 5.5 ft	5.2	4.7	JB63402-4A	JB63402A	03/31/2014	remaining	N	Y	< 0.23	U	27.3		20.2		< 0.29	U	36.0		
X11B	FS17	10.2	FS17-7.0-7.5	7.0 - 7.5 ft	3.2	2.7	JB63402-6A	JB63402A	03/31/2014	remaining	N	Y	< 0.22	U	18.4		15.3		0.30	J	25.4		
X11B	FS17	10.2	FS17-10.0-10.5	10.0 - 10.5 ft	0.2	-0.3	JB63402-7A	JB63402A	03/31/2014	remaining	N	Y	< 0.22	U	18.9		14.7		0.39	J	25.9		
X11B	FS17	10.2	FS17-10.0-10.5X	10.0 - 10.5 ft	0.2	-0.3	JB63402-8A	JB63402A	03/31/2014	remaining	FD	Y	< 0.22	U	18.6		14.7		0.32	J	26.5		
X11B	FS17	10.2	FS17-12.0-12.5	12.0 - 12.5 ft	-1.8	-2.3	JB63402-9A	JB63402A	03/31/2014	remaining	N	Y	< 0.23	U	26.7		11.9		0.52	J	38.1		
X11B	FS17	10.2	FS17-14.0-14.5	14.0 - 14.5 ft	-3.8	-4.3	JB63402-10A	JB63402A	03/31/2014	remaining	N	Y	< 0.24	U	14.9		8.5		0.35	J	26.7		
X11B	FS17	10.2	FS17-16.0-16.5	16.0 - 16.5 ft	-5.8	-6.3	JB63402-11A	JB63402A	03/31/2014	remaining	N	Y	< 0.23	U	46.3		17.1		0.39	J	29.6		
X11B	FS17	10.2	FS17-18.0-18.5	18.0 - 18.5 ft	-7.8	-8.3	JB63402-12A	JB63402A	03/31/2014	remaining	N	Y	< 0.23	U	39.8		9.5		< 0.29	U	19.4		
X11B	FS17	10.2	FS17-20.0-20.5	20.0 - 20.5 ft	-9.8	-10.3	JB63402-14A	JB63402A	03/31/2014	remaining	N	Y	< 0.23	U	41.7		12.5		0.37	J	20.2		
X11B	FS17	10.2	FS17-21.0-21.5	21.0 - 21.5 ft	-10.8	-11.3	JB63402-15A	JB63402A	03/31/2014	remaining	N	Y	< 0.24	U	33.8		14.0		< 0.29	U	24.6		
X11B	FS17	10.2	FS17-25.0-25.5	25.0 - 25.0 ft	-14.8	-14.8	JB63402-16A	JB63402A	03/31/2014	remaining	N	Y	< 0.24	U	27.5		11.1		0.45	J	19.0		
X11B	FS17	10.2	FS17-27.0-27.5	27.0 - 27.5 ft	-16.8	-17.3	JB63402-17A	JB63402A	03/31/2014	remaining	N	Y	< 0.23	U	32.3		10.5		< 0.29	U	18.1		
X11B	FS17	10.2	FS17-29.0-29.5	29.0 - 29.5 ft	-18.8	-19.3	JB63402-18A	JB63402A	03/31/2014	remaining	N	Y	< 0.24	U	75.6		7.3		< 0.29	U	15.0		
X11B	FS17	10.2	FS17-30.0-30.5	30.0 - 30.5 ft	-19.8	-20.3	JB63402-20A	JB63402A	03/31/2014	remaining	N	Y	< 0.23	U	22.6		7.7		< 0.29	U	14.9		
X11B	FS17	10.2	FS17-32.0-32.5	32.0 - 32.5 ft	-21.8	-22.3	JB63402-21A	JB63402A	03/31/2014	remaining	N	Y	< 0.25	U	25.7		11.7		< 0.31	U	27.5		
X11B	FS17	10.2	FS17-35.0-35.5	35.0 - 35.5 ft	-24.8	-25.3	JB63402-22A	JB63402A	03/31/2014	remaining	N	Y	< 0.24	U	23.1		10.6		< 0.30	U	31.4		
X11B	FS17	10.2	FS17-37.0-37.5	37.0 - 37.5 ft	-26.8	-27.3	JB63402-23A	JB63402A	03/31/2014	remaining	N	Y	< 0.24	U	14.7		14.3		< 0.30	U	23.4		
X11B	FS17	10.2	FS17-39.0-39.5	39.0 - 39.5 ft	-28.8	-29.3	JB63402-24A	JB63402A	03/31/2014	remaining	N	Y	< 0.34	U	14.0		11.7		< 0.52	U	20.7		
X11B	FS-X11B-PB	10.2	FS-X11B-PB-5.2-5.7	5.2 - 5.7 ft	5.0	4.5	JC46447-4A	JC46447A	07/06/2017	remaining	N	Y	< 19	UJ	26100	J	40.7	J	< 4.0	UJ	198	J	
X11B	FS-X11B-PB	10.2	FS-X11B-PB-5.2-5.7X	5.2 - 5.7 ft	5.0	4.5	JC46447-5A	JC46447A	07/06/2017	remaining	FD	Y	< 18	UJ	38300	J	40.2	J	< 3.9	UJ	323	J	
Y11B	FS16	10.1	FS16-3.0-3.5	3.0 - 3.5 ft	7.1	6.6	JB63591-3A	JB63591A	04/02/2014	remaining	N	Y	< 0.34	UJ	59.0		17.0		< 0.52	U	24.5		**S2**
Y11B	FS16	10.1	FS16-5.0-5.5	5.0 - 5.5 ft	5.1	4.6	JB63591-4A	JB63591A	04/02/2014	remaining	N	Y	4.2	J	3280		33.2		0.96	J	**598**		**S2, S3**
Y11B	FS16	10.1	FS16-7.0-7.5	7.0 - 7.5 ft	3.1	2.6	JB63591-5A	JB63591A	04/02/2014	remaining	N	Y	< 0.43	UJ	20.5		14.7		< 0.65	U	21.7		**S2**
Y11B	FS16	10.1	FS16-10.0-10.5	10.0 - 10.5 ft	0.1	-0.4	JB63591-7A	JB63591A	04/02/2014	remaining	N	Y	< 0.33	UJ	19.2		14.8		0.59	J	24.0		**S2**
Y11B	FS16	10.1	FS16-10.0-10.5X	10.0 - 10.5 ft	0.1	-0.4	JB63591-8A	JB63591A	04/02/2014	remaining	FD	Y	< 0.36	UJ	19.7		14.3		< 0.54	U	24.1		**S2**
Y11B	FS16	10.1	FS16-12.0-12.5	12.0 - 12.5 ft	-1.9	-2.4	JB63591-9A	JB63591A	04/02/2014	remaining	N	Y	< 0.31	UJ	17.5		8.7		< 0.48	U	24.7		**S2**
Y11B	FS16	10.1	FS16-14.0-14.5	14.0 - 14.5 ft	-3.9	-4.4	JB63591-10A	JB63591A	04/02/2014	remaining	N	Y	< 0.33	UJ	13.8		8.2		< 0.50	U	20.8		**S2**
Y11B	FS16	10.1	FS16-15.0-15.5	15.0 - 15.5 ft	-4.9	-5.4	JB63591-11A	JB63591A	04/02/2014	remaining	N	Y	< 0.33	UJ	20.0		9.7		< 0.50	U	23.6		**S2**
Y11B	FS16	10.1	FS16-17.0-17.5	17.0 - 17.5 ft	-6.9	-7.4	JB63591-12A	JB63591A	04/02/2014	remaining	N	Y	< 0.32	UJ	32.2		8.6		< 0.49	U	20.3		**S2**
Y11B	FS16	10.1	FS16-19.0-19.5	19.0 - 19.5 ft	-8.9	-9.4	JB63591-13A	JB63591A	04/02/2014	remaining	N	Y	< 0.30	UJ	51.6		4.3	J	< 0.46	U	10.7		**S2**
Y11B	FS16	10.1	FS16-21.0-21.5	21.0 - 21.5 ft	-10.9	-11.4	JB63591-15A	JB63591A	04/02/2014	remaining	N	Y	< 0.31	UJ	55.5		9.6		< 0.47	U	20.0		**S2**
Y11B	FS16	10.1	FS16-23.0-23.5	23.0 - 23.5 ft	-12.9	-13.4	JB63591-16A	JB63591A	04/02/2014	remaining	N	Y	< 0.30	UJ	122		13.2		< 0.45	U	26.6		**S2**
Y11B	FS16	10.1	FS16-25.0-25.5	25.0 - 25.5 ft	-14.9	-15.4	JB63591-17A	JB63591A	04/02/2014	remaining	N	Y	< 0.30	UJ	93.7		9.5		< 0.45	U	19.6		**S2**
Y11B	FS16	10.1	FS16-27.0-27.5	27.0 - 27.5 ft	-16.9	-17.4	JB63591-18A	JB63591A	04/02/2014	remaining	N	Y	< 0.29	UJ	106		10.4		< 0.44	U	23.8		**S2**
Y11B	FS16	10.1	FS16-30.0-30.5	30.0 - 30.5 ft	-19.9	-20.4	JB63591-21A	JB63591A	04/02/2014	remaining	N	Y	< 0.33	UJ	103		14.5		< 0.50	U	22.6		**S2**
Y11B	FS16	10.1	FS16-32.0-32.5	32.0 - 32.5 ft	-21.9	-22.4	JB63591-22A	JB63591A	04/02/2014	remaining	N	Y	< 0.34	UJ	111		13.0		< 0.52	U	22.1		**S2**

Table 5-2
CCPW Metals Analytical Results for In-Place Soil Compared to Soil Remediation Standards
Forrest Street, Garfield Avenue Group
PPG, Jersey City, New Jersey

												Analyte	ANTIMONY		CHROMIUM		NICKEL		THALLIUM		VANADIUM		
												CAS RN	7440-36-0		7440-47-3		7440-02-0		7440-28-0		7440-62-2		
												Units	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		
												RDCSRS	31		120000		1600		N/A		390		
												RDCSRS-GAG	N/A		N/A		N/A		N/A		N/A		
												NRDCSRS	450		N/A		23000		N/A		1100		
Grid ID (G1)	Location ID (G2)	Location Elevation (ft NAVD88) (G3, G4)	Sample ID (G5)	Depth Interval (ft bgs) (G6)	Sample Start Elevation (ft NAVD88) (G4, G7, G8)	Sample End Elevation (ft NAVD88) (G4, G9)	Lab ID (G10)	Lab SDG (G10)	Date Collected (G11)	Sample Status (G12, G13)	Sample Type (G14)	Validated (Y/N) (G15)	Result (G16, G17)	Qualifier (G18, G19)	Result (G16, G20)	Qualifier (G18, G19)	Result (G16, G17)	Qualifier (G18, G19)	Result (G16, G17)	Qualifier (G18, G19)	Result (G16, G17)	Qualifier (G18, G19)	Specific Notes
Y11B	FS16	10.1	FS16-34.0-34.5	34.0 - 34.5 ft	-23.9	-24.4	JB63591-23A	JB63591A	04/02/2014	remaining	N	Y	< 0.33	UJ	200		16.3		< 0.50	U	23.4		**S2**
Y11B	FS16	10.1	FS16-35.0-35.5	35.0 - 35.5 ft	-24.9	-25.4	JB63591-24A	JB63591A	04/02/2014	remaining	N	Y	< 0.33	UJ	56.4		10.6		< 0.50	U	19.6		**S2**
Y12B	P4-FOR-Y12B	10.5	P4-FOR-Y12B-0.5-1.0	0.5 - 1.0 ft	9.9	9.4	JC22855-17A	JC22855A	06/23/2016	remaining	N	Y	0.44	J	1090		92.1		0.83	J	129		**S4**
Y12B	P4-FOR-Y12B	10.5	P4-FOR-Y12B-2.0-2.5	2.0 - 2.5 ft	8.4	7.9	JC22855-18A	JC22855A	06/23/2016	remaining	N	Y	0.83	J	422		51.3		< 0.93	U	31.7		**S4**
Y12B	P4-FOR-Y12B	10.5	P4-FOR-Y12B-4.0-4.5	4.0 - 4.5 ft	6.4	5.9	JC22855-19A	JC22855A	06/23/2016	remaining	N	Y	0.86	J	876		35.4		0.58	J	47.4		**S4**
Y12B	P4-FOR-Y12B	10.5	P4-FOR-Y12B-6.0-6.5	6.0 - 6.5 ft	4.4	3.9	JC22855-20A	JC22855A	06/23/2016	remaining	N	Y	1.2	J	1310		55.7		1.0	J	82.0		**S4**
Y12B	P4-FOR-Y12B	10.5	P4-FOR-Y12B-6.5-7.0	6.5 - 7.0 ft	3.9	3.4	JC22855-21A	JC22855A	06/23/2016	remaining	N	Y	< 0.40	UJ	751		14.1		< 0.54	U	16.5		**S4**
Y12B	P4-FOR-Y12B	10.5	P4-FOR-Y12B-7.0-7.5	7.0 - 7.5 ft	3.4	2.9	JC22855-22A	JC22855A	06/23/2016	remaining	N	Y	0.57	J	21.3		13.0		< 0.47	U	24.6		**S4**
Y12B	P4-FOR-Y12BR	10.5	P4-FOR-Y12BR-0.5-1.0	0.5 - 1.0 ft	9.9	9.4	JC23104-12A	JC23104A	06/28/2016	remaining	N	Y	0.96	J	564		53.2		< 0.48	U	84.6		**S4**
Z10B	FS5	9.7	FS5-7.0-7.5	7.0 - 7.5 ft	2.7	2.2	JB63299-5A	JB63299A	03/28/2014	remaining	N	Y	< 0.27	UJ	66.6		14.5		< 0.42	U	24.9		
Z10B	FS5	9.7	FS5-10.0-10.5	10.0 - 10.5 ft	-0.3	-0.8	JB63299-7A	JB63299A	03/28/2014	remaining	N	Y	< 0.26	UJ	592		11.2		< 0.40	U	22.7		
Z10B	FS5	9.7	FS5-10.0-10.5X	10.0 - 10.5 ft	-0.3	-0.8	JB63299-8A	JB63299A	03/28/2014	remaining	FD	Y	< 0.26	UJ	624		11.0		< 0.40	U	24.7		
Z10B	FS5	9.7	FS5-12.0-12.5	12.0 - 12.5 ft	-2.3	-2.8	JB63299-9A	JB63299A	03/28/2014	remaining	N	Y	< 0.27	UJ	242		11.3		< 0.40	U	25.7		
Z10B	FS5	9.7	FS5-14.0-14.5	14.0 - 14.5 ft	-4.3	-4.8	JB63299-10A	JB63299A	03/28/2014	remaining	N	Y	< 0.26	UJ	87.4		10.2		< 0.39	U	18.5		
Z10B	FS5	9.7	FS5-16.0-16.5	16.0 - 16.5 ft	-6.3	-6.8	JB63299-11A	JB63299A	03/28/2014	remaining	N	Y	< 0.32	UJ	74.5		15.7		< 0.98	U	30.2		
Z10B	FS5	9.7	FS5-18.0-18.5	18.0 - 18.5 ft	-8.3	-8.8	JB63299-27A	JB63299A	03/28/2014	remaining	N	Y	< 0.24	UJ	77.3		13.2		< 0.30	U	26.4		
Z10B	FS5	9.7	FS5-20.0-20.5	20.0 - 20.5 ft	-10.3	-10.8	JB63299-13A	JB63299A	03/28/2014	remaining	N	Y	< 0.24	UJ	31.7		6.0		< 0.30	U	15.4		
Z10B	FS5	9.7	FS5-22.0-22.5	22.0 - 22.5 ft	-12.3	-12.8	JB63299-14A	JB63299A	03/28/2014	remaining	N	Y	< 0.26	UJ	51.1		7.9		< 0.40	U	17.3		
Z10B	FS5	9.7	FS5-24.0-24.5	24.0 - 24.5 ft	-14.3	-14.8	JB63299-15A	JB63299A	03/28/2014	remaining	N	Y	< 0.32	UJ	57.2		8.8		< 0.49	U	12.1		
Z10B	FS5	9.7	FS5-26.0-26.5	26.0 - 26.5 ft	-16.3	-16.8	JB63299-16A	JB63299A	03/28/2014	remaining	N	Y	< 0.31	UJ	99.1		8.7		< 0.46	U	20.2		
Z10B	FS5	9.7	FS5-28.0-28.5	28.0 - 28.5 ft	-18.3	-18.8	JB63299-17A	JB63299A	03/28/2014	remaining	N	Y	< 0.27	UJ	33.5		5.1		< 0.41	U	12.7		
Z10B	FS5	9.7	FS5-30.0-30.5	30.0 - 30.5 ft	-20.3	-20.8	JB63299-19A	JB63299A	03/28/2014	remaining	N	Y	< 0.32	UJ	86.6		8.8		< 0.48	U	25.4		
Z10B	FS5	9.7	FS5-32.0-32.5	32.0 - 32.5 ft	-22.3	-22.8	JB63299-20A	JB63299A	03/28/2014	remaining	N	Y	< 0.32	UJ	116		8.2		< 0.48	U	18.4		
Z10B	FS5	9.7	FS5-33.0-33.5	33.0 - 33.5 ft	-23.3	-23.8	JB63299-21A	JB63299A	03/28/2014	remaining	N	Y	< 0.27	UJ	94.0		4.3		< 0.41	U	11.5		
Z10B	FS5	9.7	FS5-35.0-35.5	35.0 - 35.5 ft	-25.3	-25.8	JB63299-22A	JB63299A	03/28/2014	remaining	N	Y	< 0.26	UJ	9.7		7.5		< 0.40	U	15.8		
Z10B	FS5	9.7	FS5-37.0-37.5	37.0 - 37.5 ft	-27.3	-27.8	JB63299-23A	JB63299A	03/28/2014	remaining	N	Y	< 0.27	UJ	7.3		4.9		< 0.42	U	12.8		
Z10B	FS5	9.7	FS5-39.0-39.5	39.0 - 39.5 ft	-29.3	-29.8	JB63299-24A	JB63299A	03/28/2014	remaining	N	Y	< 0.26	UJ	128		17.7		< 0.33	U	23.9		
Z11B	FS16A	10.0	FS16A-36.0-36.5	36.0 - 36.5 ft	-26.0	-26.5	JB97506-2A	JB97506A	06/19/2015	remaining	N	Y	< 0.36	UJ	52.6		7.9		< 0.22	U	14.2		
Z11B	FS16A	10.0	FS16A-38.0-38.5	38.0 - 38.5 ft	-28.0	-28.5	JB97506-3A	JB97506A	06/19/2015	remaining	N	Y	< 0.37	UJ	6.6		4.5	J	< 0.23	U	10.8		
Z11B	FS16A	10.0	FS16A-38.0-38.5X	38.0 - 38.5 ft	-28.0	-28.5	JB97506-4A	JB97506A	06/19/2015	remaining	FD	Y	< 0.36	UJ	5.4		3.5	J	< 0.22	U	9.1		
Z11B	FS16A	10.0	FS16A-40.0-40.5	40.0 - 40.5 ft	-30.0	-30.5	JB97506-5A	JB97506A	06/19/2015	remaining	N	Y	< 0.36	UJ	9.0		5.7		< 0.22	U	12.5		
Z11B	FS16A	10.0	FS16A-42.0-42.5	42.0 - 42.5 ft	-32.0	-32.5	JB97506-6A	JB97506A	06/19/2015	remaining	N	Y	< 0.37	UJ	7.7		5.4		< 0.22	U	12.5		
Z11B	FS16A	10.0	FS16A-44.0-44.5	44.0 - 44.5 ft	-34.0	-34.5	JB97506-7A	JB97506A	06/19/2015	remaining	N	Y	< 0.40	UJ	7.6		5.6		< 0.24	U	12.4		
Z11B	FS16A	10.0	FS16A-45.5-46.0	45.5 - 46.0 ft	-35.5	-36.0	JB97506-8A	JB97506A	06/19/2015	remaining	N	Y	< 0.38	UJ	8.0		6.3		< 0.24	U	13.2		
Z11B	PSEG-SB47	9.9	NJD981084668-11/30/2006-11	6.5 - 7.0 ft	3.4	2.9	788665	A179	11/30/2006	remaining	N	N	< 1.6	U	3300		17.5		< 1.3	U	135		**S1**
Z11B	PSEG-SB47	9.9	NJD981084668-11/30/2006-8	13.5 - 14.0 ft	-3.6	-4.1	788668	A179	11/30/2006	remaining	N	N	< 1.4	U	18.4		9.3	B	< 1.1	U	21.6		**S1**
Z11B	PSEG-SB47	9.9	NJD981084668-11/30/2006-9	26.0 - 26.5 ft	-16.1	-16.6	788666	A179	11/30/2006	remaining	N	N	< 1.4	U	105		11.4		< 1.2	U	17.8		**S1**
Z11B	PSEG-SB47	9.9	NJD981084668-11/30/2006-10	34.5 - 35.0 ft	-24.6	-25.1	788667	A179	11/30/2006	remaining	N	N	< 1.4	U	74.1		10.6		< 1.1	U	15.6		**S1**

Table 5-2
CCPW Metals Analytical Results for In-Place Soil Compared to Soil Remediation Standards
Forrest Street, Garfield Avenue Group
PPG, Jersey City, New Jersey

ABBREVIATIONS:
bgs - below ground surface
CAS RN - Chemical Abstracts Service Registry Number
CCPW - Chromate Chemical Production Waste
Cr - chromium
Cr^{+3} - trivalent chromium
FD - field duplicate sample type
Forrest RAWP - March 2018 *Interim Remedial Action Work Plan, Forrest Street and Forrest Street Properties Deferred Remediation Areas* (AECOM)
ft - feet
HDPE - high-density polyethylene
mg/kg - milligrams per kilogram
N - normal sample type
NAVD88 - North American Vertical Datum of 1988
NJDEP - New Jersey Department of Environmental Protection
NRDCSRS - Non-Residential Direct Contact Soil Remediation Standard
N/A - not applicable
RDCSRS - Residential Direct Contact Soil Remediation Standard
RDCSRS-GAG - Residential Direct Contact Soil Remediation Standard - Garfield Avenue Group (alternative remediation standard approved by the New Jersey Department of Environmental Protection on December 28, 2016)
SCC - Soil Cleanup Criteria
SDG - sample delivery group
SRS - Soil Remediation Standard
U.S. - United States

QUALIFIERS:
B - The analyte was detected at a concentration less than the Practical Quantitation Limit but greater than or equal to the Instrument Detection Limit.
J - The result was an estimated value; the associated numerical value was an approximate concentration of the analyte in the sample.
U - The analyte was not detected above the sample reporting limit shown.
UJ - The analyte was not detected above the sample reporting limit shown and the reporting limit was approximate.

GENERAL NOTES:
G1. “Grid ID” refers to an area, typically 30 ft by 30 ft, identified as Grid Row V through HH (extending west to east) and Grid Column 7B through 12B (extending from south to north).
G2. “Location ID” refers to the location name where samples were collected.
G3. “Location Elevation” refers to the pre-remediation surface elevation for samples collected from the pit bottom, and the surface elevation of the sample location when the sample was collected via boring or test pit.
G4. Elevation vertical datum is NAVD88, in U.S. survey ft.
G5. “Sample ID” refers to the name of a sample collected at a given location and is unique to the depth of the sample collected. The depth listed in the Sample ID may not necessarily correspond to the actual sample depth interval due to corrections made as a result of post-field work review of surveyed surface elevations and/or boring logs. In some cases, the “Sample ID” in the table is a variant of the sample ID in the laboratory report and/or data validation report. In these cases, the “Lab ID” associates the sample results to the laboratory report and/or data validation report.
G6. “Depth Interval” is based on the “Location Elevation.”
G7. “Sample Start Elevation” refers to the start of the sample interval. There may be up to 0.1 ft variation between the listed Sample Start Elevation and the elevation calculated using the Location Elevation and Depth Interval due to rounding of the numbers.
G8. In some grids, there may be up to 0.1 ft variation between the sample start elevation of the clean confirmation pit bottom or sidewall sample and the post-excavation elevation survey point due to rounding of the numbers.
G9. “Sample End Elevation” refers to the end of the sample interval. There may be up to 0.1 ft variation between the listed Sample End Elevation and the elevation calculated using the Location Elevation and Depth Interval due to rounding of the numbers.
G10. “Lab ID” refers to the identification number assigned to the sample by the analytical laboratory performing the sample analysis. “Lab SDG” refers to the delivery group number assigned to the sample by the analytical laboratory.
G11. “Date Collected” refers to the date the soil sample was collected.
G12. “Sample Status” of “remaining” indicates the soil in that interval is outside the excavation footprint, and remains in-place at that location.
G13. The post-excavation survey points and 1-ft post-excavation contours representing the as-built terminal excavation elevations are provided on Figure 5-2.
G14. “Sample Type” indicates whether the sample type is normal (N) or a field duplicate (FD).
G15. “Y” indicates that a sample underwent data validation and “N” indicates that data validation was not conducted.
G16. “Result” refers to the analytical result which is reported in mg/kg. A blank entry indicates that the sample was not tested for that analyte.
G17. Bold text indicates a result that exceeds the RDCSRS or the RDCSRS-GAG. Bold and italicized text indicates a result that exceeds the NRDCSRS. Non-bold and non-italicized text indicates the result does not exceed the most stringent SRS.
G18. “Qualifier” refers to the data qualifier assigned by the data validation team reviewing the data from the laboratory for validated data. For unvalidated data, it refers to the qualifier assigned by the laboratory.
G19. Non-detect results are shown on this table using the Method Detection Limit, if available; otherwise they are shown at the Reporting Limit.
G20. There is currently no NJDEP SRS and no NJDEP SCC for total Cr. Therefore, total Cr results are compared to the interim NJDEP Residential SCC for Cr^{+3} of 120,000 mg/kg as the cleanup criteria for soil at the Garfield Avenue Group Sites. There is no non-residential SCC for Cr^{+3}. Bold values indicate a result that exceeds the interim NJDEP Residential SCC.

SPECIFIC NOTES:
S1. This sample was collected by another party. A data validation memorandum has not been identified.

S2. This sample is remaining in place within the Forrest Street Utility Offset, which is being addressed via engineering controls (HDPE Liner) and institutional controls (notice in lieu of deed notice), as appropriate for the abutting Forrest Street Properties’ current use, as described in the Forrest RAWP.

Table 5-2
CCPW Metals Analytical Results for In-Place Soil Compared to Soil Remediation Standards
Forrest Street, Garfield Avenue Group
PPG, Jersey City, New Jersey

S3. In Grid Y11B, the vanadium concentration in sample FS16-5.0-5.5 is greater than the RDCSRS-GAG, but less than the NRDCSRS. This sample is located within Forrest Street, which is a non-residential area; therefore this sample is not out of compliance because its result does not exceed the NRDCSRS. The exceedance of the RDCSRS-GAG is being documented in a notice in lieu of deed notice.

S4. This sample is remaining in place within the 100 Forrest Street Loading Dock Driveway, which is being addressed via engineering controls (Existing Asphalt and Concrete Cap) and institutional controls (notice in lieu of deed notice), as appropriate for the abutting Forrest Street Properties' current use, as described in the Forrest RAWP.