Table 6
Soil Sample Results Summary
Chromate Chemical Production Waste Related Constituents
Former Morris Canal, Chrome Sites 121 and 207
Jersey City, Hudson County, New Jersey

	Sample ID	Laboratory Sample ID	Sampling Date	Sampling Depth (feet)	Unit	NJDEP	Antimony	Chromium	Nickel	Thallium	Vanadium	Hexavalent Chromium	pH/Corrosivity	Oxidation-Reduction Potential (Redox)	Hexavalent Chromium Rerun Samples*
						RDCSRS	31	120,000*	1600	5	78	240	NC	NC	240
						NRDCSRS	450	NC	23000	79	1100	20	NC	NC	20
						IGWSSL	6	NC	31	3	NA	NC	NC	NC	NC
Transect MC-001	MC-001V_1.0	12579-002	12/09/10	1/1.5	mg/Kg		10.9	421	95.5	0.201 J	65.9	0.321 U	7.60	254	~
	MC-001V_5.5	12579-004	12/09/10	5.5/6	mg/Kg		0.839 J	154	26.4	0.764	19.6	0.387 U	7.19	257	~
	MC-001V_8.5	12579-006	12/09/10	8.5/9	mg/Kg		0.479 J	506	39.3	0.332 J	41.6	0.362 U	6.65	65.4	~
	MC-001V_12	12579-008	12/09/10	12/12.5	mg/Kg		0.323 U	12.3	147	0.162 U	24.6	0.331 U	5.42	39.4	~
	MC-001V_16	12579-010	12/09/10	16/16.5	mg/Kg		0.376 U	90.3	33.5	0.268 J	45.8	0.381 U	7.50	-36.2	~
	MC-001V_20	12579-012	12/09/10	20/20.5	mg/Kg		0.335 U	15.9	12.8	0.168 U	22.7	0.334 U	7.01	130	~
	MC-001W_1.0	12521-047	12/08/10	1/1.5	mg/Kg		~	~	~	~	~	0.379 U	8.14	104	~
	MC-001W_2.5	12521-048	12/08/10	2.5/3	mg/Kg		*44.8 U*	24800	642	*22.4 U*	**285 J**	**7090**	11.8	-132	~
	MC-001W_5.5	12521-049	12/08/10	4.5/5	mg/Kg		*44.1 U*	29800	707	*22.1 U*	**349 J**	**5600**	12.0	-117	~
	MC-001W_9.5	12521-052	12/08/10	9.5/10	mg/Kg		*46.5 U*	28800	641	*23.2 U*	**326 J**	**12200**	12.5	-108	~
	MC-001W_12	12521-053	12/08/10	12/12.5	mg/Kg		*67.6 U*	74800	154 J	*33.8 U*	**153 J**	0.712 U	12.0	-348	~
	MC-001W_16	12521-055	12/08/10	16/16.5	mg/Kg		0.298 U	246	13.0	0.149 U	20.3	0.418 J	9.22	65.3	~
	MC-001X_2.5	12521-025	12/08/10	2.5/3	mg/Kg		1.27 J	38100	793	0.241 U	**394**	**21000**	11.6	-109	~
	MC-001X_4.0	12521-026	12/08/10	4/4.5	mg/Kg		*52.9 U*	32600	600	*26.4 U*	**287 J**	**14600**	12.1	-705	~
	MC-001X_8.5	12521-028	12/08/10	8.5/9	mg/Kg		*47.2 U*	31600	570	*23.6 U*	**235 J**	**19400**	12.3	-113	~
	MC-001X_14	12521-032	12/08/10	14/14.5	mg/Kg		*100 U*	44000	201 U	*50.2 U*	*201 U*	**1690**	12.5	-73	~
	MC-001X_16	12521-033	12/08/10	16/16.5	mg/Kg		0.366 U	875	13.6	0.183 U	30.2	0.380 U	11.3	-429	~
	MC-001X_20	12521-035	12/08/10	20/20.5	mg/Kg		0.280 U	196	11.1	0.140 U	19.8	**145**	10.1	55.8	~
	MC-001X_22	12521-036	12/08/10	22/22.5	mg/Kg		~	~	~	~	~	10.4	8.46	19.3	~
	MC-001Y_2.5	12521-038	12/08/10	2.5/3	mg/Kg		27.3	653	175	0.267 J	**123**	0.348 U	7.16	153	~
	MC-001Y_4.5	12521-039	12/08/10	4.5/5	mg/Kg		*50.8 U*	25100	712	*25.4 U*	**464**	**8810**	10.9	-9.2	~
	MC-001Y_11.0	12521-042	12/08/10	11/11.5	mg/Kg		**71.2 J**	30600	573	*21.8 U*	**440**	**15600**	12.0	-97.8	~
	MC-001Y_14.0	12521-044	12/08/10	14/14.5	mg/Kg		0.724 J	7040	14.8	0.173 U	0.693 U	0.371 U	10.1	-127	~
	MC-001Y_16.0	12521-045	12/08/10	16/16.5	mg/Kg		0.376 U	1310	32.1	0.188 U	66.7	0.409 U	10.7	-291	~
	MC-001Y_18.0	12521-046	12/08/10	18/18.5	mg/Kg		~	~	10.9	~	~	~	~	~	~
	MC-001Z_2.5	12579-015	12/09/10	2.5/3	mg/Kg		0.383 J	484	34.6	0.309 J	**106**	0.364 U	7.74	224	~
	MC-001Z_5.0	12579-016	12/09/10	5/5.5	mg/Kg		*33.9 U*	25400	625	*16.9 U*	**436**	**4270**	12.1	-63.1	~
	MC-001Z_7.5	12579-017	12/09/10	7.5/8	mg/Kg		~	~	~	~	~	**2660**	11.6	-57.9	~
	MC-001Z_10	12579-019	12/09/10	10/10.5	mg/Kg		0.328 U	179	23.8	0.164 U	43.0	0.359 U	7.30	-241	~
	MC-001Z_14	12579-021	12/09/10	14/14.5	mg/Kg		0.359 U	20.4	15.1	0.180 U	20.7	0.374 U	7.32	-43.3	~
	MC-001Z_16	12579-022	12/09/10	16/16.5	mg/Kg		0.314 U	11.6	6.54	0.157 U	16.1	0.338 U	7.85	-22.5	~
	MC-001ZA_2.5	04821-002	05/17/11	2.5/3	mg/Kg		~	~	~	~	76.7	~	~	~	~
	MC-001ZA_5.0	04821-003	05/17/11	5/5.5	mg/Kg		0.332 U	~	~	0.166 U	30.4	0.289 U	~	~	~
	MC-001ZA_7.5	04821-004	05/17/11	7.5/8	mg/Kg		~	~	~	~	~	0.286 U	~	~	~
Transect MC-002	MC-002W_1.0	12361-038	12/06/2010	1/1.5	mg/Kg		0.906 J	537	32.3	0.235 J	49.9	0.372 U	6.49	112	~
	MC-002W_5.5	12361-040	12/06/2010	5.5/6	mg/Kg		0.289 U	17.2	10.6	0.145 U	27.6	0.331 U	7.91	76.9	~
	MC-002W_11.5	12361-043	12/06/2010	11.5/12	mg/Kg		0.423 U	12.3	8.48	0.212 U	13.6	0.433 U	7.90	-40.4	~
	MC-002W_13.5	12361-044	12/06/2010	13.5/14	mg/Kg		0.876 U	27.9	25.3	0.438 U	48.1	0.909 U	7.91	41.8	~
	MC-002W_17.5	12361-046	12/06/2010	17.5/18	mg/Kg		0.301 U	19.6	11.7	0.151 U	23.1	0.344 U	8.74	9.30	~
	MC-002X_1.0	12521-013	12/08/10	1/1.5	mg/Kg		~	~	~	~	~	0.325 U	7.87	143	~
	MC-002X_3.5	12521-014	12/08/10	3.5/4	mg/Kg		0.364 U	6220	220	0.182 U	**105**	**385**	9.46	80.3	~
	MC-002X_5.5	12521-016	12/08/10	5.5/6	mg/Kg		*46.1 U*	28600	585	*23.1 U*	**213 J**	**10500**	12.0	-90.8	~
	MC-002X_11.5	12521-019	12/08/10	11.5/12	mg/Kg		*43.8 U*	23300	459	*21.9 U*	**216 J**	**12800**	12.3	40.2	~
	MC-002X_12.5	12521-020	12/08/10	12.5/13	mg/Kg		*44.7 U*	23500	530	*22.3 U*	**209 J**	**11100**	12.3	-17.8	~
	MC-002X_13.0	12521-021	12/08/10	13/13.5	mg/Kg		~	~	~	~	~	0.462 U	10.6	-103	~
	MC-002X_16.5	12521-022	12/08/10	16.5/17	mg/Kg		0.369 U	469	22.6	0.195 J	43.3	0.403 U	9.70	-265	~
	MC-002Y_1.0	12435-043	12/07/10	1/1.5	mg/Kg		0.275 U	17.1	11.7	0.138 U	17.7	0.666 J	7.81	97.8	~
	MC-002Y_4.5	12435-045	12/07/10	4.5/5	mg/Kg		0.434 U	35300	616	0.217 U	**308**	**17600**	11.3	-41.8	~
	MC-002Y_8.0	12435-048	12/07/10	8/8.5	mg/Kg		0.474 J	1980	10.1	0.186 U	2.09 J	**211**	11.2	18.1	~
	MC-002Y_10	12435-049	12/07/10	10/10.5	mg/Kg		~	~	~	~	~	0.339 U	10.9	-54	~
	MC-002Y_12	12435-050	12/07/10	12/12.5	mg/Kg		0.696 U	514	43.5	0.348 U	51.5	0.718 U	7.91	53.8	~
	MC-002Y_16.0	12435-052	12/07/10	16/16.5	mg/Kg		0.519 U	98.6	25.3	0.260 U	38.5	0.538 U	8.10	25.5	~
	MC-002Z_4.5	04821-008	05/17/11	4.5/5	mg/Kg		~	~	~	~	26.0	0.286 U	~	~	~
	MC-002Z_8.0	04821-009	05/17/11	8/8.5	mg/Kg		~	~	~	~	~	0.297 U	~	~	~

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	Sample ID	Laboratory Sample ID	Sampling Date	Sampling Depth (feet)	Unit		Antimony	Chromium	Nickel	Thallium	Vanadium	Hexavalent Chromium	pH/Corrosivity	Oxidation-Reduction Potential (Redox)	Hexavalent Chromium Rerun Samples*
						NJDEP									
						RDCSRS	31	120,000*	1600	5	78	240	NC	NC	240
						NRDCSRS	450	NC	23000	79	1100	20	NC	NC	20
						IGWSSL	6	NC	31	3	NA	NC	NC	NC	NC
Transect MC-003	MC-003W_1.0	12361-029	12/06/2010	1/1.5	mg/Kg		0.301 U	40.8	30.8	0.151 U	77.0	0.304 U	6.44	180	~
	MC-003W_5.5	12361-031	12/06/2010	5.5/6	mg/Kg		0.400 J	42.2	16.8	0.286 J	18.4	0.379 U	7.61	-72.5	~
	MC-003W_9.5	12361-033	12/06/2010	9.5/10	mg/Kg		0.309 U	20.1	11.1	0.154 U	27.7	0.330 U	7.31	-18.5	~
	MC-003W_13.5	12361-035	12/06/2010	13.5/14	mg/Kg		0.491 U	28.1	20.8	0.245 U	39.5	0.514 U	6.80	13.7	~
	MC-003W_17.5	12361-037	12/06/2010	17.5/18	mg/Kg		0.325 U	17.5	9.22	0.163 U	24.1	0.353 U	7.42	-83.7	~
	MC-003X_1.0	12521-002	12/08/10	1/1.5	mg/Kg		~	~	~	~	~	0.360 U	8.07	67.0	~
	MC-003X_3.0	12521-003	12/08/10	3/3.5	mg/Kg		*48.5 U*	24700	670	*24.3 U*	**314 J**	**6020**	10.8	110	~
	MC-003X_4.0	12521-004	12/08/10	4/4.5	mg/Kg		*41.3 U*	30600	595	*20.7 U*	**278 J**	**17400**	11.9	60.1	~
	MC-003X_8.5	12521-006	12/08/10	8.5/9	mg/Kg		*45.0 U*	30500	570	*22.5 U*	**265 J**	**18600**	12.0	107	~
	MC-003X_13.5	12521-009	12/08/10	13.5/14	mg/Kg		*43.6 U*	28500	530	*21.8 U*	**339 J**	**11100**	12.3	33.0	~
	MC-003X_14	12521-010	12/08/10	14/14.5	mg/Kg		**109 J**	47400	143 U	*35.8 U*	*143 U*	0.776 U	11.8	-402	~
	MC-003X_18	12521-012	12/08/10	18/18.5	mg/Kg		0.372 J	21.2	6.60	0.182 U	14.8	0.401 U	8.68	166	~
	MC-003Y_3.5	12435-034	12/07/10	3.5/4	mg/Kg		0.319 U	1700	15.0	0.285 J	24.9	0.332 U	10.1	-37.4	~
	MC-003Y_7.5	12435-036	12/07/10	7.5/8	mg/Kg		0.335 U	2360	14.7	0.168 U	0.670 U	**777**	10.6	-54	~
	MC-003Y_8.5	12435-037	12/07/10	8.5/9	mg/Kg		1.32 J	22100	11.0	0.202 U	0.810 U	**8990**	11.4	-48.1	~
	MC-003Y_10	12435-038	12/07/10	10/10.5	mg/Kg		~	~	~	~	~	0.373 U	7.30	-8.9	~
	MC-003Y_12	12435-039	12/07/10	12/12.5	mg/Kg		0.487 U	39.6	18.4	0.260 J	52.9	0.522 U	6.94	-15.8	~
	MC-003Y_16	12435-041	12/07/10	16/16.5	mg/Kg		0.514 U	24.6	17.2	0.257 U	28.5	0.531 U	6.44	108	~
	MC-003Z_7.5	04821-012	05/17/11	7.5/8	mg/Kg		~	~	~	~	~	0.292 U	~	~	~
	MC-003Z_8.5	04821-013	05/17/11	8.5/9	mg/Kg		~	~	~	~	~	0.287 U	~	~	~
Transect MC-004	MC-004V_1.0	04784-003	05/16/11	1/1.5	mg/Kg		~	~	~	~	25.8	~	~	~	~
	MC-004W_1.0	12361-020	12/06/2010	1/1.5	mg/Kg		0.317 U	347	39.3	0.207 J	**79.1**	8.22	6.22	142	~
	MC-004W_5.5	12361-022	12/06/2010	5.5/6	mg/Kg		0.341 U	18.3	11.9	0.171 U	30.5	0.350 U	6.92	-77.6	~
	MC-004W_9.5	12361-024	12/06/2010	9.5/10	mg/Kg		0.337 U	20.0	11.1	0.169 U	28.1	0.343 U	7.42	-35.8	~
	MC-004W_13.5	12361-026	12/06/2010	13.5/14	mg/Kg		0.635 U	30.2	23.0	0.318 U	45.7	1.36 U	7.28	24.7	~
	MC-004W_17.5	12361-028	12/06/2010	17.5/18	mg/Kg		0.305 U	11.4	11.0	0.153 U	16.2	0.343 U	8.35	-5.1	~
	MC-004XW_3.0	04784-004	05/16/11	3/3.5	mg/Kg		~	~	~	~	~	0.610 J	~	~	~
	MC-004XW_6.5	04784-005	05/16/11	6.5/7	mg/Kg		~	~	~	~	~	0.294 U	~	~	~
	MC-004XW_9.0	04784-006	05/16/11	9/9.5	mg/Kg		~	~	~	~	~	0.292 U	~	~	~
	MC-004X_3.0	12361-048	12/06/2010	3/3.5	mg/Kg		0.480 U	15200	533	0.240 U	**262**	**2410**	11.0	-72.8	~
	MC-004X_6.5	12361-050	12/06/2010	6.5/7	mg/Kg		0.388 U	33700	591	0.194 U	**97.6**	**16300**	12.0	-88.1	~
	MC-004X_9.0	12361-051	12/06/2010	9/9.5	mg/Kg		0.408 U	30200	493	0.204 U	**144**	**19900**	12.1	-82.6	~
	MC-004X_11.5	12361-052	12/06/2010	11.5/12	mg/Kg		~	~	~	~	~	0.458U	8.00	32.2	~
	MC-004X_13.5	12361-053	12/06/2010	13.5/14	mg/Kg		0.437 U	44.5	19.6	0.240 J	33.6	0.438 U	8.33	-151	~
	MC-004X_17.5	12361-055	12/06/2010	17.5/18	mg/Kg		0.405 U	20.4	14.6	0.202 U	25.4	0.413 U	7.72	-109	~
	MC-004Y_3.5	12435-023	12/07/10	3.5/4	mg/Kg		1.21 J	197	123	0.372	**335**	0.363 U	7.69	60.3	~
	MC-004Y_7.0	12435-025	12/07/10	7/7.5	mg/Kg		0.457 J	34900	572	0.201 U	52.0	**17000**	12.3	91.3	~
	MC-004Y_8.0	12435-027	12/07/10	8/8.5	mg/Kg		0.395 U	28000	503	0.198 U	**146**	**4980**	12.3	-56.9	~
	MC-004Y_12.0	12435-029	12/07/10	12/12.5	mg/Kg		0.310 U	127	11.7	0.155 U	24.0	0.345 U	8.27	-192	~
	MC-004Y_16.0	12435-031	12/07/10	16/16.5	mg/Kg		0.566 U	34.0	21.4	0.283 U	36.3	0.593 U	6.87	31.9	~
	MC-004Z_3.5	04821-016	05/17/11	3.5/4	mg/Kg		~	~	~	~	29.2	~	~	~	~
	MC-004Z_7.0	04821-017	05/17/11	7/7.5	mg/Kg		~	~	~	~	~	0.282 U	~	~	~
	MC-004Z_8.0	04821-018	05/17/11	8/8.5	mg/Kg		~	~	~	~	34.7	0.293 U	~	~	~

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	Sample ID	Laboratory Sample ID	Sampling Date	Sampling Depth (feet)	Unit	NJDEP	Antimony	Chromium	Nickel	Thallium	Vanadium	Hexavalent Chromium	pH/Corrosivity	Oxidation-Reduction Potential (Redox)	Hexavalent Chromium Rerun Samples*
						RDCSRS	31	120,000*	1600	5	78	240	NC	NC	240
						NRDCSRS	450	NC	23000	79	1100	20	NC	NC	20
						IGWSSL	6	NC	31	3	NA	NC	NC	NC	NC
Transect MC-005	MC-005V_1.0	12361-057	12/06/2010	1/1.5	mg/Kg		0.304 U	138	28.2	0.152 U	45.9	4.12	9.48	118	~
	MC-005V_5.5	12361-012	12/06/2010	5.5/6	mg/Kg		0.327 U	120	17.4	0.163 U	26.2	0.354 U	7.46	17.8	~
	MC-005V_9.5	12361-014	12/06/2010	9.5/10	mg/Kg		0.406 U	104	34.5	0.373 J	27.3	0.420 U	7.01	17.2	~
	MC-005V_13.5	12361-016	12/06/2010	13.5/14	mg/Kg		0.894 U	27.8	29.8	0.447 U	38.3	1.79 U	7.39	50.1	~
	MC-005V_17.5	12361-018	12/06/2010	17.5/18	mg/Kg		0.588 J	20.3	17.4	0.146 U	17.8	0.328 U	7.02	-7.1	~
	MC-005W_1.5	11996-050	11/23/10	1.5/2	mg/Kg		0.460 U	28500	724	0.230 U	0.920 U	**6630**	11.1	17.5	~
	MC-005W_5.5	11996-052	11/23/10	5.5/6	mg/Kg		0.446 U	33500	692	0.223 U	0.891 U	**15300**	12.1	-15.9	~
	MC-005W_9.5	11996-054	11/23/10	9.5/10	mg/Kg		0.395 U	28700	652	0.197 U	0.789 U	**8590**	12.2	-22.5	~
	MC-005W_13.5	11996-056	11/23/10	13.5/14	mg/Kg		0.997 J	44400	78.3	0.758	1.50 U	0.800 U	8.95	-6.1	~
	MC-005W_17.5	11996-058	11/23/10	17.5/18	mg/Kg		0.310 U	111	14.9	0.155 U	18.8	0.314 U	8.56	72.9	~
	MC-005X_1.0	11996-022	11/23/10	1/1.5	mg/Kg		~	~	~	~	~	0.363 U	8.00	145	~
	MC-005X_2.5	11996-023	11/23/10	2.5/3	mg/Kg		0.440 U	30900	620	0.220 U	0.879 U	**14000**	11.8	-118	~
	MC-005X_6.0	11996-025	11/23/10	6/6.5	mg/Kg		0.714 J	28600	602	0.234 U	0.936 U	**10300**	12.1	-127	~
	MC-005X_8.0	11996-026	11/23/10	8/8.5	mg/Kg		0.410 U	27300	521	0.205 U	**111**	**13400**	12.3	-129	~
	MC-005X_13.5	11996-028	11/23/10	13.5/14	mg/Kg		0.494 U	41800	461	0.247 U	0.988 U	**7220**	12.3	-120	~
	MC-005X_15.0	11996-029	11/23/10	15/15.5	mg/Kg		~	~	~	~	~	**16000**	11.2	-70.2	~
	MC-005X_17.0	11996-030	11/23/10	17/17.5	mg/Kg		0.348 U	38.4	18.5	0.181 J	37.1	0.394 U	9.27	-80.4	~
	MC-005Y_1.0	11996-041	11/23/10	1/1.5	mg/Kg		0.359 U	91.3	150	0.207 J	**659**	1.16 J	7.86	92.0	~
	MC-005Y_3.5	11996-042	11/23/10	3.5/4	mg/Kg		~	~	~	~	~	**30.8**	8.04	140	~
	MC-005Y_5.5	11996-043	11/23/10	5.5/6	mg/Kg		0.473 U	40600	773	0.237 U	0.947 U	**11400**	12.1	68.9	~
	MC-005Y_9.5	11996-045	11/23/10	9.5/10	mg/Kg		0.530 U	41000	716	0.265 U	1.06 U	**17500**	11.7	48.7	~
	MC-005Y_13.5	11996-047	11/23/10	13.5/14	mg/Kg		0.396 U	175	22.0	0.198 U	31.1	0.413 U	8.02	27.9	~
	MC-005Y_17.5	11996-049	11/23/10	17.5/18	mg/Kg		0.915 U	95.3	20.5	0.458 U	30.8	1.03 U	7.64	36.3	~
	MC-005Z_1.0	12435-002	12/07/10	1/1.5	mg/Kg		~	~	~	~	~	0.384 U	7.54	91.2	~
	MC-005Z_3.5	12435-003	12/07/10	3.5/4	mg/Kg		1.25 J	7240	35.9	0.164 U	0.655 U	**916**	10.4	122	~
	MC-005Z_6.5	12435-005	12/07/10	6.5/7	mg/Kg		2.84	36600	619	0.263 U	**210**	**17400**	10.7	67.9	~
	MC-005Z_8.0	12435-007	12/07/10	8/8.5	mg/Kg		0.377 U	6430	14.3	0.195 J	0.754 U	**1890**	11.8	11.1	~
	MC-005Z_10.0	12435-008	12/07/10	10/10.5	mg/Kg		~	~	~	~	~	0.392 U	8.43	-200	~
	MC-005Z_12.0	12435-009	12/07/10	12/12.5	mg/Kg		0.519 U	648	22.8	0.259 U	29.9	0.561 U	8.21	39.0	~
	MC-005Z_20.0	12435-011	12/07/10	20/20.5	mg/Kg		0.324 U	90.6	11.0	0.162 U	17.4	9.96	8.86	55.9	~
	MC-005ZA_2.5	12435-013	12/07/10	2.5/3	mg/Kg		0.944 J	465	61.0	0.323 J	32.8	2.59	8.12	112	~
	MC-005ZA_4.0	12435-014	12/07/10	4/4.5	mg/Kg		0.329 U	14.0	15.1	0.164 U	17.2	0.337 U	5.91	-13	~
	MC-005ZA_8.0	12435-016	12/07/10	8/8.5	mg/Kg		0.332 U	10.8	9.64	0.166 U	22.2	0.336 U	7.64	-38.7	~
	MC-005ZA_12.0	12435-018	12/07/10	12/12.5	mg/Kg		0.558 U	28.9	29.9	0.279 U	42.5	0.561 U	6.69	15.5	~
	MC-005ZA_16.0	12435-020	12/07/10	16/16.5	mg/Kg		0.334 U	16.4	8.75	0.167 U	19.3	0.342 U	7.52	-9.7	~
															~
Transect MC-006	MC-006W_1.0	12361-002	12/06/2010	1/1.5	mg/Kg		0.303 U	32.3	15.6	0.203 J	28.2	0.322 U	6.39	334	~
	MC-006W_5.5	12361-004	12/06/2010	5.5/6	mg/Kg		0.335 U	17.1	20.1	0.167 U	18.2	0.338 U	9.12	100	~
	MC-006W_9.0	12361-006	12/06/2010	9/9.5	mg/Kg		0.826 J	51.7	34.1	1.01	25.7	0.425 U	8.69	52.2	~
	MC-006W_13.5	12361-008	12/06/2010	13.5/14	mg/Kg		0.410 U	20.2	16.6	0.205 U	33.5	0.411 U	7.48	-32.2	~
	MC-006W_17.5	12361-010	12/06/2010	17.5/18	mg/Kg		0.318 U	20.4	11.2	0.159 U	17.8	0.334 U	7.12	-14.9	~
	MC-006X_1.5	04868-002	05/18/11	1.5/2	mg/Kg		~	~	~	~	19.9	3.20	~	~	~
	MC-006X_3.5	04868-003	05/18/11	3.5/4	mg/Kg		*47.1 U*	30200	841	*23.5 U*	**361 J**	**4820**	12.4	-12	~
	MC-006X_7.5	04868-005	05/18/11	7.5/8	mg/Kg		*47.6 U*	31600	765	*23.8 U*	**383**	**5400**	12.3	-22	~
	MC-006X_11.5	04868-008	05/18/11	11.5/12	mg/Kg		*47.9 U*	29300	669	*24.0 U*	**329 J**	**3250**	12.3	-30	~
	MC-006X_13.5	04868-009	05/18/11	13.5/14	mg/Kg		0.814 J	1280	59.5	0.355 J	56.1	0.435 U	9.09	-350	~
	MC-006X_17.5	04868-011	05/18/11	17.5/18	mg/Kg		0.325 U	18.1	12.1	0.163 U	19.8	0.280 U	8.73	-80	~
	MC-006Y_3.5	12579-025	12/09/10	3.5/4.0	mg/Kg		*40.8 U*	34500	796	*20.4 U*	**485**	**15500**	12.1	-58.5	~
	MC-006Y_7.0	12579-028	12/09/10	7/7.5	mg/Kg		0.361 U	7880	29.5	0.348 J	40.9	**1340**	10.8	-13.2	~
	MC-006Y_9.0	12579-029	12/09/10	9/9.5	mg/Kg		0.343 U	66.7	18.2	0.171 U	27.1	0.363 U	7.82	32.8	~
	MC-006Y_13.5	12579-031	12/09/10	13.5/14	mg/Kg		0.486 U	38.9	34.3	0.257 J	52.7	0.520 U	5.75	47.0	~
	MC-006Y_17.5	12579-033	12/09/10	17.5/18	mg/Kg		0.311 U	17.5	17.3	0.156 U	26.6	0.327 U	8.38	58.6	~
	MC-006Z_3.5	04821-022	05/17/11	3.5/4	mg/Kg		0.307 U	~	~	0.200 J	22.2	9.58	~	~	~
	MC-006Z_7.0	04821-023	05/17/11	7/7.5	mg/Kg		~	~	~	~	~	0.296 U	~	~	~

Table 6
Soil Sample Results Summary
Chromate Chemical Production Waste Related Constituents
Former Morris Canal, Chrome Sites 121 and 207
Jersey City, Hudson County, New Jersey

	Sample ID	Laboratory Sample ID	Sampling Date	Sampling Depth (feet)	Unit	NJDEP	Antimony	Chromium	Nickel	Thallium	Vanadium	Hexavalent Chromium	pH/Corrosivity	Oxidation-Reduction Potential (Redox)	Hexavalent Chromium Rerun Samples*
						RDCSRS	31	120,000*	1600	5	78	240	NC	NC	240
						NRDCSRS	450	NC	23000	79	1100	20	NC	NC	20
						IGWSSL	6	NC	31	3	NA	NC	NC	NC	NC
Transect MC-007	MC-007V_9.5	04784-008	05/16/11	9.5/10	mg/Kg		~	~	~	~	~	0.319 U	~	~	~
	MC-007W_1.0	11996-032	11/23/10	1/1.5	mg/Kg		0.339 U	1150	51.3	0.517	51.3	12.1	8.28	75.4	~
	MC-007W_5.5	11996-034	11/23/10	5.5/6	mg/Kg		0.322 U	39.8	12.8	0.161 U	23.7	0.326 U	9.04	51.7	~
	MC-007W_9.5	11996-036	11/23/10	9.5/10	mg/Kg		0.527 U	5890	145	0.482 J	34.5	**71.0**	9.75	-20	~
	MC-007W_13.5	11996-038	11/23/10	13.5/14	mg/Kg		~	~	~	~	~	0.366 U	7.21	-85	~
	MC-007W_15.5	11996-039	11/23/10	15.5/16	mg/Kg		0.451 U	138	15.3	0.226 U	19.7	0.488 U	8.13	27.7	~
	MC-007X_3.5	11996-012	11/23/10	3.5/4	mg/Kg		0.568 U	16200	666	0.284 U	**132**	**3180**	11.0	-49	~
	MC-007X_7.0	11996-014	11/23/10	7/7.5	mg/Kg		0.444 U	29000	619	0.222 U	0.888 U	**10300**	12.0	-96.4	~
	MC-007X_9.5	11996-016	11/23/10	9.5/10	mg/Kg		0.415 U	27500	623	0.207 U	24.3	**11800**	12.3	-103	~
	MC-007X_13.5	11996-018	11/23/10	13.5/14	mg/Kg		0.411 U	35900	630	0.206 U	0.823 U	**17300**	12.3	-97.5	~
	MC-007X_15.0	11996-019	11/23/10	15/15.5	mg/Kg		~	~	~	~	~	**13600**	11.4	-3.8	~
	MC-007X_17.0	11996-020	11/23/10	17/17.5	mg/Kg		0.358 U	318	29.4	0.288 J	43.2	0.398 U	10.1	-302	~
	MC-007X_19.5	11996-021	11/23/10	19.5/20	mg/Kg		~	~	~	~	~	~	~	~	~
	MC-007Y_1.5	11996-002	11/23/10	1.5/2	mg/Kg		0.290 U	1240	71.7	0.172 J	**99.9**	**21.7**	8.17	128	~
	MC-007Y_5.5	11996-004	11/23/10	5.5/6	mg/Kg		0.418 U	21900	438	0.209 U	61.6	**14400**	11.4	-26.5	~
	MC-007Y_8.0	11996-006	11/23/10	8/8.5	mg/Kg		0.351 U	585	18.8	0.324 J	28.8	**26.7**	10.6	-4.1	~
	MC-007Y_10.0	11996-007	11/23/10	10/10.5	mg/Kg		~	~	~	~	~	0.343 U	7.87	-208	~
	MC-007Y_12.0	11996-008	11/23/10	12/12.5	mg/Kg		0.373 U	24.7	13.2	0.187 U	32.9	0.402 U	7.33	-133	~
	MC-007Y_16.5	11996-010	11/23/10	16.5/17	mg/Kg		0.332 U	33.8	17.4	0.280 J	20.0	0.339 U	7.35	-59.5	~
	MC-007Z_1.5	04784-009	05/16/11	1.5/2	mg/Kg		~	~	~	~	33.0	0.279 U	~	~	~
	MC-007Z_5.5	04784-010	05/16/11	5.5/6	mg/Kg		~	~	~	~	~	0.295 U	~	~	~
	MC-007Z_8.0	04784-011	05/16/11	8/8.5	mg/Kg		~	~	~	~	~	0.303 U	~	~	~
Transect MC-008	MC-008V_6.5	04784-017	05/16/11	6.5/7	mg/Kg		~	~	~	~	~	0.284 U	~	~	~
	MC-008V_8.0	04784-018	05/16/11	8/8.5	mg/Kg		~	~	~	~	~	0.295 U	~	~	~
	MC-008W_1.0	11910-021	11/22/2010	1/1.5	Soil		0.319 U	213	43.0	0.159 U	36.3	0.345 U	8.10	110	~
	MC-008W_4.5	11910-023	11/22/2010	4.5/5	Soil		~	~	~	~	~	0.327 U	7.32	77.6	~
	MC-008W_6.5	11910-024	11/22/2010	6.5/7	Soil		0.610 J	19700	495	0.202 U	19.2	**4840**	10.8	121	~
	MC-008W_8.0	11910-025	11/22/2010	8/8.5	Soil		0.577 J	24600	589	0.216 U	0.865 U	**7070**	11.9	61.8	~
	MC-008W_15.0	11910-026	11/22/2010	15/15.5	Soil		0.418 U	924	29.7	0.209 U	20.6	0.431 U	8.45	75.5	~
	MC-008X_1.0	11910-011	11/22/2010	1/1.5	Soil		0.323 U	42.6	39.0	0.162 U	**140**	0.331 U	7.80	306	~
	MC-008X_4.5	11910-013	11/22/2010	4.5/5	Soil		0.582 J	13300	246	0.198 U	0.793 U	**2260**	11.9	43.8	~
	MC-008X_8.0	11910-015	11/22/2010	8/8.5	Soil		0.418 U	45200	563	0.209 U	0.837 U	**10100**	12.1	-25.8	~
	MC-008X_12.0	11910-017	11/22/2010	12/12.5	Soil		0.431 U	19700	468	0.216 U	0.862 U	**12400**	12.3	-43.5	~
	MC-008X_14.5	11910-018	11/22/2010	14.5/15	Soil		~	~	~	~	~	0.552 U	9.53	-185	~
	MC-008X_16.0	11910-019	11/22/2010	16/16.5	Soil		0.361 U	102	19.7	0.207 J	40.0	0.387 U	9.14	-205	~
	MC-008Y_1.0	11910-028	11/22/2010	1/1.5	Soil		0.283 U	20.6	13.2	0.155 J	27.9	0.309 U	8.20	130	~
	MC-008Y_5.5	11910-030	11/22/2010	5.5/6	Soil		0.399 U	30200	591	0.200 U	0.799 U	**7240**	11.8	37.2	~
	MC-008Y_8.0	11910-033	11/22/2010	8/8.5	Soil		0.359 U	5080	47.1	0.459	0.717 U	**2550**	11.5	93.2	~
	MC-008Y_10.0	11910-034	11/22/2010	10/10.5	Soil		~	~	~	~	~	0.356 U	6.90	-164	~
	MC-008Y_12.0	11910-035	11/22/2010	12/12.5	Soil		0.509 U	59.6	12.8	0.255 U	35.6	1.52 J	6.43	91.6	~
	MC-008Y_16.0	11910-037	11/22/2010	16/16.5	Soil		0.471 U	28.9	22.6	0.235 U	35.9	0.505 U	6.13	155	~
	MC-008Z_5.5	04702-010	05/13/11	5.5/6	mg/Kg		~	~	~	~	~	0.308 U	~	~	~
	MC-008Z_8.0	04702-011	05/13/11	8/8.5	mg/Kg		~	~	~	~	~	0.294 U	~	~	~

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Former Morris Canal, Chrome Sites 121 and 207
Jersey City, Hudson County, New Jersey

	Sample ID	Laboratory Sample ID	Sampling Date	Sampling Depth (feet)	Unit	NJDEP	Antimony	Chromium	Nickel	Thallium	Vanadium	Hexavalent Chromium	pH/Corrosivity	Oxidation-Reduction Potential (Redox)	Hexavalent Chromium Rerun Samples*
						RDCSRS	31	120,000*	1600	5	78	240	NC	NC	240
						NRDCSRS	450	NC	23000	79	1100	20	NC	NC	20
						IGWSSL	6	NC	31	3	NA	NC	NC	NC	NC
Transect MC-009	MC-009V_1.5	11888-002	11/19/10	1.5/2	mg/Kg		0.308 U	25.5	11.8	0.154 U	24.7	0.323 U	7.68	228	~
	MC-009V_5.0	11888-004	11/19/10	5/5.5	mg/Kg		0.310 U	20.4	11.9	0.155 U	26.7	0.333 U	7.31	88.1	~
	MC-009V_8.0	11888-006	11/19/10	8/8.5	mg/Kg		0.326 U	21.9	14.0	0.163 U	36.8	0.339 U	6.43	136	~
	MC-009V_12.5	11888-008	11/19/10	12.5/13	mg/Kg		0.298 U	17.8	8.85	0.149 U	20.5	0.335 U	7.84	88.1	~
	MC-009V_18.5	11888-011	11/19/10	18.5/19	mg/Kg		0.311 U	23.2	10.4	0.156 U	15.4	0.327 U	7.30	163	~
	MC-009W_1.5	11788-058	11/18/10	1.5/2	mg/Kg		0.319 U	93.2	233	0.160 U	31.3	0.324 U	6.92	142	~
	MC-009W_4.5	11788-060	11/18/10	4.5/5	mg/Kg		0.513 U	44600	944	0.256 U	**514**	**10800**	12.0	35.0	~
	MC-009W_8.5	11788-062	11/18/10	8.5/9	mg/Kg		0.387 U	30900	730	0.194 U	**393**	**2080**	12.0	46.0	~
	MC-009W_10.5	11788-063	11/18/10	10.5/11	mg/Kg		~	~	~	~	~	**1200**	12.0	-96.2	~
	MC-009W_12.5	11788-064	11/18/10	12.5/13	mg/Kg		0.359 U	1310	27.6	0.286 J	32.4	0.377 U	7.78	-95	~
	MC-009W_16.5	11788-066	11/18/10	16.5/17	mg/Kg		0.368 U	51.3	23.8	0.232 J	51.9	0.411 U	7.38	-91	~
	MC-009W_20.5	11788-068	11/18/10	20.5/21	mg/Kg		0.325 U	22.6	13.2	0.163 U	23.9	0.365 U	7.55	135	~
	MC-009X_1.5	11788-024	11/18/10	1.5/2	mg/Kg		0.319 U	161	35.7	0.250 J	**95.2**	0.322 U	7.20	41.5	~
	MC-009X_4.5	11788-026	11/18/10	4.5/5	mg/Kg		0.454 U	12400	504	0.227 U	**337**	**3140**	10.5	-3.8	~
	MC-009X_8.5	11788-028	11/18/10	8.5/9	mg/Kg		0.441 U	34900	588	0.221 U	**445**	**6360**	11.5	-82.5	~
	MC-009X_12.5	11788-030	11/18/10	12.5/13	mg/Kg		0.390 U	39000	760	0.195 U	**494**	**3190**	11.8	-87.9	~
	MC-009X_18.5	11788-033	11/18/10	18.5/19	mg/Kg		0.337 U	162	17.9	0.169 U	37.4	0.906 J	9.22	127	~
	MC-009X_20.5	11788-034	11/18/10	20.5/21	mg/Kg		0.337 U	834	31.8	0.169 U	35.9	**42.7**	9.82	52.5	~
	MC-009X_23.5	11788-035	11/18/10	23.5/24	mg/Kg		~	~	11.8	~	~	0.990 J	8.42	184	~
	MC-009Y_1.5	11788-037	11/18/10	1.5/2	mg/Kg		0.311 U	36.6	17.9	0.380	42.0	2.07	7.79	157	~
	MC-009Y_4.5	11788-039	11/18/10	4.5/5	mg/Kg		0.437 U	38400	585	0.218 U	**463**	**8000**	11.6	11.0	~
	MC-009Y_8.5	11788-041	11/18/10	8.5/9	mg/Kg		0.451 U	36700	722	0.226 U	**510**	**8860**	11.8	79.0	~
	MC-009Y_12.5	11788-043	11/18/10	12.5/13	mg/Kg		0.425 U	39000	724	0.213 U	**503**	**5130**	11.9	8.00	~
	MC-009Y_14.5	11788-044	11/18/10	14.5/15	mg/Kg		~	~	~	~	~	6.22	10.4	58.7	~
	MC-009Y_16.5	11788-045	11/18/10	16.5/17	mg/Kg		0.314 U	37.6	12.5	0.157 U	13.7	0.328 U	9.03	41.0	~
	MC-009Y_20.5	11788-047	11/18/10	20.5/21	mg/Kg		0.298 U	36.1	5.42	0.149 U	12.8	7.17	8.51	112	~
	MC-009Z_1.5	11788-049	11/18/10	1.5/2	mg/Kg		0.269 U	24.2	16.3	0.134 U	26.1	0.294 U	7.84	131	~
	MC-009Z_4.5	11788-051	11/18/10	4.5/5	mg/Kg		0.408 U	2150	29.4	0.204 U	32.4	**395**	10.9	38.0	~
	MC-009Z_8.5	11788-053	11/18/10	8.5/9	mg/Kg		0.340 U	358	13.8	0.241 J	31.2	8.64	10.8	10.0	~
	MC-009Z_12.5	11788-055	11/18/10	12.5/13	mg/Kg		0.544 U	55.1	29.4	0.304 J	68.0	0.580 U	6.13	124	~
	MC-009Z_16.5	11788-057	11/18/10	16.5/17	mg/Kg		0.329 U	22.7	14.8	0.165 U	28.8	0.335 U	6.46	70.0	~
	MC-009ZA_1.5	11888-012	11/19/10	1.5/2	mg/Kg		0.280 U	21.8	18.8	0.140 U	24.5	5.19	7.46	194	~
	MC-009ZA_4.5	11888-014	11/19/10	4.5/5	mg/Kg		0.328 U	181	16.2	0.394	16.2	4.13	9.66	120	~
	MC-009ZA_10.5	11888-017	11/19/10	10.5/11	mg/Kg		0.330 U	36.0	13.4	0.165 U	37.5	0.344 U	6.41	90.2	~
	MC-009ZA_12.5	11888-018	11/19/10	12.5/13	mg/Kg		0.407 U	24.6	16.9	0.203 U	36.6	0.418 U	4.97	121	~
	MC-009ZA_16.5	11888-020	11/19/10	16.5/17	mg/Kg		0.335 U	26.3	16.4	0.168 U	45.9	0.347 U	7.19	145	~
Transect MC-010	MC-010W_1.5	11737-062	11/17/10	1.5/2	mg/Kg		0.307 U	52.2	25.3	0.163 J	22.6	0.326 U	7.41	110	~
	MC-010W_4.5	11737-064	11/17/10	4.5/5	mg/Kg		0.368 U	65.6	16.9	0.246 J	24.6	0.370 U	7.42	114	~
	MC-010W_8.5	11737-066	11/17/10	8.5/9	mg/Kg		0.385 U	423	21.9	0.192 U	23.8	0.403 U	7.75	57.1	~
	MC-010W_12.5	11737-068	11/17/10	12.5/13	mg/Kg		0.347 U	41.4	13.7	0.173 U	27.1	0.367 U	7.56	-47.9	~
	MC-010W_16.5	11737-070	11/17/10	16.5/17	mg/Kg		0.319 U	70.2	11.9	0.159 U	37.9	0.360 U	7.50	135	~
	MC-010X_1.5	11737-050	11/17/10	1.5/2	mg/Kg		0.302 U	24.6	16.7	0.153 J	18.5	0.323 U	6.99	291	~
	MC-010X_4.5	11737-052	11/17/10	4.5/5	mg/Kg		0.564 U	17500	648	0.282 U	58.9	**7880**	10.7	90.6	~
	MC-010X_8.5	11737-054	11/17/10	8.5/9	mg/Kg		0.430 U	25100	627	0.215 U	**198**	**3790**	11.8	95.9	~
	MC-010X_12.5	11737-056	11/17/10	12.5/13	mg/Kg		0.444 U	24800	621	0.222 U	0.888 U	**11500**	11.9	91.3	~
	MC-010X_14.0	11737-057	11/17/10	14/14.5	mg/Kg		~	~	~	~	~	**29200**	12.2	-106	~
	MC-010X_16.5	11737-058	11/17/10	16.5/17	mg/Kg		0.443 U	2100	36.1	0.333 J	31.7	0.466 U	10.7	-384	~
	MC-010X_20.5	11737-060	11/17/10	20.5/21	mg/Kg		0.327 U	23.4	15.1	0.163 U	21.8	0.352 U	8.54	59.7	~
	MC-010Y_1.5	11788-014	11/18/10	1.5/2	mg/Kg		0.345 U	199	80.3	0.389	**90.7**	0.345 U	7.48	125	~
	MC-010Y_4.5	11788-016	11/18/10	4.5/5	mg/Kg		0.369 U	178	17.0	0.184 U	15.0	3.44	7.87	160	~
	MC-010Y_8.5	11788-018	11/18/10	8.5/9	mg/Kg		0.417 U	47.6	27.0	0.373 J	46.2	0.414 U	10.3	37.2	~
	MC-010Y_12.5	11788-020	11/18/10	12.5/13	mg/Kg		0.475 U	36.3	23.9	0.283 J	59.2	0.505 U	6.09	46.1	~
	MC-010Y_16.5	11788-022	11/18/10	16.5/17	mg/Kg		0.305 U	28.1	17.3	0.153 U	40.3	0.342 U	6.68	7.40	~
	MC-010Z_1.5	04702-008	05/13/11	1.5/2	mg/Kg		~	~	~	~	59.6	~	~	~	~

Table 6
Soil Sample Results Summary
Chromate Chemical Production Waste Related Constituents
Former Morris Canal, Chrome Sites 121 and 207
Jersey City, Hudson County, New Jersey

	Sample ID	Laboratory Sample ID	Sampling Date	Sampling Depth (feet)	Unit		Antimony	Chromium	Nickel	Thallium	Vanadium	Hexavalent Chromium	pH/Corrosivity	Oxidation-Reduction Potential (Redox)	Hexavalent Chromium Rerun Samples*
						NJDEP									
						RDCSRS	31	120,000*	1600	5	78	240	NC	NC	240
						NRDCSRS	450	NC	23000	79	1100	20	NC	NC	20
						IGWSSL	6	NC	31	3	NA	NC	NC	NC	NC
Transect MC-011	MC-011W_1.5	11737-039	11/17/10	1.5/2	mg/Kg		0.295 U	30.0	11.2	0.147 U	24.3	0.502 J	9.08	0.800	~
	MC-011W_4.5	11737-041	11/17/10	4.5/5	mg/Kg		0.387 U	346	25.4	0.217 J	35.3	0.415 U	7.87	14.4	~
	MC-011W_8.5	11737-043	11/17/10	8.5/9	mg/Kg		0.428 J	4870	72.4	0.273 J	0.739 U	0.417 U	8.24	-4.2	~
	MC-011W_12.5	11737-045	11/17/10	12.5/13	mg/Kg		0.359 U	20.6	15.2	0.179 U	29.2	0.370 U	7.87	-118	~
	MC-011W_16.5	11737-047	11/17/10	16.5/17	mg/Kg		0.300 U	37.8	11.7	0.150 U	21.8	0.336 U	7.89	-93.7	~
	MC-011W_20.5	11737-049	11/17/10	20.5/21	mg/Kg		0.306 U	20.5	14.5	0.153 U	26.1	0.347 U	7.90	-5.4	~
	MC-011X_1.5	11788-002	11/18/10	1.5/2	mg/Kg		0.274 U	34.3	19.9	0.137 U	68.2	3.26	7.44	157	~
	MC-011X_4.5	11788-004	11/18/10	4.5/5	mg/Kg		0.328 U	542	466	0.484	**653**	5.06	8.99	116	~
	MC-011X_8.5	11788-006	11/18/10	8.5/9	mg/Kg		0.442 U	29800	600	0.221 U	**475**	**3810**	11.8	-91.2	~
	MC-011X_12.5	11788-008	11/18/10	12.5/13	mg/Kg		0.460 U	33900	675	0.230 U	**487**	**6110**	12.0	-14.8	~
	MC-011X_16.5	11788-010	11/18/10	16.5/17	mg/Kg		0.504 U	6650	84.5	0.567	75.6	0.515 U	11.2	-489	~
	MC-011X_20.5	11788-012	11/18/10	20.5/21	mg/Kg		0.445 U	8620	144	0.222 U	**115**	**20.4**	12.0	-1.2	~
	MC-011X_23.5	11788-013	11/18/10	23.5/24	mg/Kg		~	~	15.2	~	23.1	0.356 U	6.46	187	~
	MC-011Y_1.5	11888-021	11/19/10	1.5/2	mg/Kg		0.825 J	201	32.4	0.197 J	47.7	0.864 J	7.63	189	~
	MC-011Y_4.5	11888-023	11/19/10	4.5/5	mg/Kg		0.338 U	25.8	15.3	0.169 U	33.2	0.337 U	7.08	-68.7	~
	MC-011Y_8.5	11888-025	11/19/10	8.5/9	mg/Kg		0.356 U	19.4	17.4	0.178 U	38.7	0.343 U	8.01	-12	~
	MC-011Y_12.5	11888-027	11/19/10	12.5/13	mg/Kg		0.376 U	11.5	6.86	0.188 U	14.5	0.409 U	5.39	179	~
	MC-011Y_16.5	11888-029	11/19/10	16.5/17	mg/Kg		0.340 U	16.8	12.7	0.170 U	20.0	0.348 U	6.91	141	~
Transect MC-012	MC-012V_8.5	04702-004	05/13/11	8.5/9	mg/Kg		~	~	~	~	~	0.293 U	~	~	~
	MC-012V_10.5	04702-005	05/13/11	10.5/11	mg/Kg		~	~	~	~	~	0.317 U	~	~	~
	MC-012W_1.5	11737-027	11/17/10	1.5/2	mg/Kg		0.276 U	46.7	22.3	0.138 U	50.5	7.10	9.29	13.0	~
	MC-012W_4.5	11737-029	11/17/10	4.5/5	mg/Kg		0.316 U	58.3	15.5	0.158 U	30.6	0.343 U	8.61	177	~
	MC-012W_6.5	11737-030	11/17/10	6.5/7	mg/Kg		~	~	~	~	~	0.743	7.94	55.0	~
	MC-012W_8.5	11737-031	11/17/10	8.5/9	mg/Kg		0.430 U	18700	497	0.215 U	0.859 U	**3880**	12.1	-80.8	~
	MC-012W_10.5	11737-032	11/17/10	10.5/11	mg/Kg		~	~	~	~	~	**47.9**	10.5	-52.6	~
	MC-012W_12.5	11737-033	11/17/10	12.5/13	mg/Kg		0.357 U	22.5	12.8	0.179 U	30.0	0.393 U	9.27	-193	~
	MC-012W_17.5	11737-035	11/17/10	17.5/18	mg/Kg		0.442 U	14.8	7.94	0.221 U	18.5	0.481 U	7.80	-33.4	~
	MC-012W_20.5	11737-037	11/17/10	20.5/21	mg/Kg		0.305 U	21.7	10.7	0.153 U	25.9	0.341 U	8.21	-3.2	~
	MC-012X_1.5	11737-015	11/17/10	1.5/2	mg/Kg		0.285 U	15.9	15.0	0.143 U	52.9	1.20	8.35	29.2	~
	MC-012X_4.5	11737-017	11/17/10	4.5/5	mg/Kg		24.3	38.4	**3140**	0.145 U	**325**	4.74	8.89	9.40	~
	MC-012X_6.5	11737-018	11/17/10	6.5/7	mg/Kg		~	~	~	~	~	**10900**	11.4	-29.8	~
	MC-012X_8.5	11737-019	11/17/10	8.5/9	mg/Kg		0.523 U	26800	685	0.262 U	12.4	**8680**	11.9	-118	~
	MC-012X_12.5	11737-021	11/17/10	12.5/13	mg/Kg		0.469 U	27800	593	0.235 U	62.7	**11400**	12.0	-122	~
	MC-012X_16.5	11737-023	11/17/10	16.5/17	mg/Kg		0.419 U	17700	476	0.210 U	**142**	**4320**	12.1	-122	~
	MC-012X_18.5	11737-024	11/17/10	18.5/19	mg/Kg		~	~	~	~	~	0.427 U	10.2	-401	~
	MC-012X_20.5	11737-025	11/17/10	20.5/21	mg/Kg		0.284 U	17.6	10.7	0.142 U	16.1	4.43	9.76	-38.3	~
	MC-012Y_0.5	11888-030	11/19/10	0.5/1	mg/Kg		0.556 J	68.5	64.4	0.492	22.4	0.320 U	7.21	154	~
	MC-012Y_4.5	11888-032	11/19/10	4.5/5	mg/Kg		0.414 J	68.1	25.7	0.173 U	24.1	0.998 J	6.20	174	~
	MC-012Y_8.5	11888-034	11/19/10	8.5/9	mg/Kg		0.358 U	28.5	25.2	0.179 U	27.5	0.372 U	7.90	143	~
	MC-012Y_12.5	11888-036	11/19/10	12.5/13	mg/Kg		0.295 U	16.8	8.87	0.148 U	24.2	0.329 U	6.49	125	~
	MC-012Y_16.5	11888-038	11/19/10	16.5/17	mg/Kg		0.327 U	40.7	31.8	0.163 U	59.1	0.356 U	6.59	111	~

Table 6
Soil Sample Results Summary
Chromate Chemical Production Waste Related Constituents
Former Morris Canal, Chrome Sites 121 and 207
Jersey City, Hudson County, New Jersey

	Sample ID	Laboratory Sample ID	Sampling Date	Sampling Depth (feet)	Unit	NJDEP	Antimony	Chromium	Nickel	Thallium	Vanadium	Hexavalent Chromium	pH/Corrosivity	Oxidation-Reduction Potential (Redox)	Hexavalent Chromium Rerun Samples*
						RDCSRS	31	120,000*	1600	5	78	240	NC	NC	240
						NRDCSRS	450	NC	23000	79	1100	20	NC	NC	20
						IGWSSL	6	NC	31	3	NA	NC	NC	NC	NC
Transect MC-013	MC-013T_4.5	04702-003	05/13/11	4.5/5	mg/Kg		~	~	~	~	31.6	~	~	~	~
	MC-013U_1.0	11675-052	11/16/10	1/1.5	mg/Kg		0.294 U	12.5	13.4	0.147 U	60.7	0.305 U	7.75	50.0	~
	MC-013U_4.5	11675-055	11/16/10	4.5/5	mg/Kg		11.5	492	337	0.620	**79.1**	17.7	7.95	146	~
	MC-013U_8.5	11675-057	11/16/10	8.5/9	mg/Kg		0.360 U	51.6	12.7	0.180 U	31.3	0.960 J	9.93	39.3	~
	MC-013U_12.5	11675-059	11/16/10	12.5/13	mg/Kg		0.353 U	18.8	11.5	0.176 U	33.0	0.355 U	9.59	-128	~
	MC-013U_16.5	11675-061	11/16/10	16.5/17	mg/Kg		0.306 U	21.8	11.8	0.153 U	33.5	0.739 J	8.24	166	~
	MC-013U_20.5	11675-063	11/16/10	20.5/21	mg/Kg		0.300 U	7.20	6.84	0.150 U	13.1	0.336 U	7.69	194	~
	MC-013V_1.5	11675-039	11/16/10	1.5/2	mg/Kg		0.311 U	31.0	15.4	0.156 U	30.4	3.01	7.69	-70.3	~
	MC-013V_4.5	11675-042	11/16/10	4.5/5	mg/Kg		0.289 U	17.1	8.52	0.144 U	18.4	9.06	11.6	-118	~
	MC-013V_6.5	11675-043	11/16/10	6.5/7	mg/Kg		~	~	~	~	~	**10900**	12.2	-157	~
	MC-013V_8.5	11675-044	11/16/10	8.5/9	mg/Kg		0.422 U	32500	805	0.211 U	**409**	**6560**	11.9	-129	~
	MC-013V_12.5	11675-046	11/16/10	12.5/13	mg/Kg		0.362 U	164	14.0	0.181 U	25.4	0.368 U	8.74	-11.7	~
	MC-013V_16.5	11675-048	11/16/10	16.5/17	mg/Kg		0.647 U	27.6	17.7	0.323 U	37.1	0.660 U	7.18	9.80	~
	MC-013V_20.5	11675-050	11/16/10	20.5/21	mg/Kg		0.305 U	44.7	6.13	0.152 U	9.93	15.3	8.24	34.8	~
	MC-013W_1.5	11675-026	11/16/10	1.5/2	mg/Kg		0.311 U	36.2	15.0	0.156 U	31.4	3.48	8.61	80.0	~
	MC-013W_4.5	11675-028	11/16/10	4.5/5	mg/Kg		0.302 U	23.1	16.7	0.194 J	27.4	1.20	9.10	122	~
	MC-013W_6.5	11675-030	11/16/10	6.5/7	mg/Kg		~	~	~	~	~	**7080**	12.1	82.6	~
	MC-013W_10.5	11675-032	11/16/10	10.5/11	mg/Kg		0.956 J	28500	681	0.234 U	**322**	**10300**	12.1	67.0	~
	MC-013W_12.5	11675-033	11/16/10	12.5/13	mg/Kg		0.670 J	36400	646	0.219 U	**444**	**10000**	12.0	94.5	~
	MC-013W_14.5	11675-034	11/16/10	14.5/15	mg/Kg		~	~	~	~	~	0.841 U	10.7	-371	~
	MC-013W_16.5	11675-035	11/16/10	16.5/17	mg/Kg		0.508 U	64.3	32.8	0.332 J	52.6	0.521 U	8.69	-306	~
	MC-013W_20.5	11675-037	11/16/10	20.5/21	mg/Kg		0.315 U	16.7	4.77	0.158 U	11.8	0.349 J	8.66	-137	~
	MC-013X_1.5	11675-014	11/16/10	1.5/2	mg/Kg		0.289 U	49.7	55.8	0.145 U	**78.5**	2.64	7.76	219	~
	MC-013X_4.5	11675-016	11/16/10	4.5/5	mg/Kg		~	~	~	~	~	3.80	7.31	295	~
	MC-013X_7.5	11675-017	11/16/10	7.5/8	mg/Kg		0.461 U	36300	839	0.231 U	**652**	**6550**	11.1	39.4	~
	MC-013X_8.5	11675-018	11/16/10	8.5/9	mg/Kg		0.430 U	28800	765	0.215 U	**573**	**4780**	12.2	52.0	~
	MC-013X_12.5	11675-020	11/16/10	12.5/13	mg/Kg		0.453 U	43600	676	0.227 U	**490**	**12600**	12.3	33.0	~
	MC-013X_14.5	11675-021	11/16/10	14.5/15	mg/Kg		~	~	~	~	~	**6920**	12.0	95.4	~
	MC-013X_16.5	11675-022	11/16/10	16.5/17	mg/Kg		0.387 U	1220	25.3	0.246 J	35.3	0.405 U	10.8	354	~
	MC-013X_20.5	11675-024	11/16/10	20.5/21	mg/Kg		0.330 U	43.6	6.75	0.165 U	16.7	3.26	11.2	32.0	~
	MC-013Y_3.5	11737-003	11/17/10	3.5/4	mg/Kg		0.311 U	22.3	23.4	0.169 J	36.2	2.53	7.97	185	~
	MC-013Y_6.5	11737-005	11/17/10	6.5/7	mg/Kg		0.387 U	22100	545	0.194 U	**140**	**3020**	12.0	-55	~
	MC-013Y_10.5	11737-007	11/17/10	10.5/11	mg/Kg		0.418 U	23200	545	0.209 U	**92.7**	**8910**	12.1	-79	~
	MC-013Y_12.5	11737-008	11/17/10	12.5/13	mg/Kg		0.404 U	23000	492	0.202 U	**113**	**10500**	12.2	-101	~
	MC-013Y_14.5	11737-009	11/17/10	14.5/15	mg/Kg		~	~	~	~	~	**6470**	12.1	-109	~
	MC-013Y_16.5	11737-010	11/17/10	16.5/17	mg/Kg		0.438 U	1510	41.8	0.219 U	29.2	0.433 U	11.5	-452	~
	MC-013Y_20.5	11737-013	11/17/10	20.5/21	mg/Kg		0.335 U	267	16.9	0.167 U	22.6	9.22	11.1	-159	~
	MC-013Z_1.5	11888-039	11/19/10	1.5/2	mg/Kg		0.987 J	62.5	29.8	0.212 J	43.6	0.362 U	8.40	56.7	~
	MC-013Z_4.5	11888-041	11/19/10	4.5/5	mg/Kg		1.79	117	25.3	0.281 J	15.7	0.361 U	6.73	166	~
	MC-013Z_8.5	11888-043	11/19/10	8.5/9	mg/Kg		0.326 U	17.2	13.7	0.163 U	24.7	0.347 U	6.74	125	~
	MC-013Z_12.5	11888-045	11/19/10	12.5/13	mg/Kg		0.529 U	31.4	18.9	0.264 U	48.4	0.598 U	6.15	152	~
	MC-013Z_16.0	11888-047	11/19/10	16/16.5	mg/Kg		0.316 U	18.5	13.1	0.158 U	29.1	0.374 J	8.49	69.2	~

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Chromate Chemical Production Waste Related Constituents
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	Sample ID	Laboratory Sample ID	Sampling Date	Sampling Depth (feet)	Unit	NJDEP	Antimony	Chromium	Nickel	Thallium	Vanadium	Hexavalent Chromium	pH/Corrosivity	Oxidation-Reduction Potential (Redox)	Hexavalent Chromium Rerun Samples*
						RDCSRS	31	120,000*	1600	5	78	240	NC	NC	240
						NRDCSRS	450	NC	23000	79	1100	20	NC	NC	20
						IGWSSL	6	NC	31	3	NA	NC	NC	NC	NC
Transect MC-014	MC-014V_1.5	11675-002	11/16/10	1.5/2	mg/Kg		0.281 U	29.0	17.0	0.140 U	49.1	0.466 J	8.57	246	~
	MC-014V_4.5	11675-004	11/16/10	4.5/5	mg/Kg		0.305 U	39.6	17.1	0.176 J	54.1	0.424 J	7.92	273	~
	MC-014V_8.5	11675-006	11/16/10	8.5/9	mg/Kg		0.327 U	89.6	13.2	0.164 U	21.8	2.68	10.6	30.7	~
	MC-014V_12.5	11675-008	11/16/10	12.5/13	mg/Kg		0.328 U	16.2	12.8	0.164 U	26.0	0.362 U	7.51	-86	~
	MC-014V_16.5	11675-010	11/16/10	16.5/17	mg/Kg		0.322 U	14.7	9.05	0.161 U	30.5	0.518 J	7.65	-29	~
	MC-014V_20.5	11675-012	11/16/10	20.5/21	mg/Kg		0.300 U	8.38	5.57	0.150 U	8.19	0.337 U	7.80	218	~
	MC-014W_3.5	11627-053	11/15/10	3.5/4	mg/Kg		0.317 U	112	8.01	0.158 U	14.3	12.3	8.82	4.80	~
	MC-014W_6.0	11627-055	11/15/10	6/6.5	mg/Kg		0.518 U	33000	710	0.259 U	**395**	**5010**	11.7	-34.6	~
	MC-014W_8.0	11627-057	11/15/10	8/8.5	mg/Kg		0.460 U	31100	647	0.230 U	**342**	**10900**	12.0	-2.7	~
	MC-014W_10.0	11627-058	11/15/10	10/10.5	mg/Kg		0.419 U	31700	794	0.210 U	0.839 U	**9150**	12.1	-113	~
	MC-014W_12.0	11627-059	11/15/10	12/12.5	mg/Kg		0.330 U	114	15.5	0.165 U	29.9	0.361 U	9.16	-240	~
	MC-014W_16.0	11627-061	11/15/10	16/16.5	mg/Kg		0.533 U	48.9	17.3	0.266 U	31.3	0.531 U	8.40	-40	~
	MC-014W_20.0	11627-064	11/15/10	20/20.5	mg/Kg		0.295 U	7.16	4.70	0.148 U	10.5	0.331 U	7.99	15.0	~
	MC-014X_1.5	11627-040	11/15/10	1.5/2	mg/Kg		0.279 U	8.30	11.6	0.140 U	48.0	0.695 J	6.85	332	~
	MC-014X_3.5	11627-041	11/15/10	3.5/4	mg/Kg		0.311 U	4.13	2.41	0.156 U	11.3	0.308 U	8.96	-30.2	~
	MC-014X_5.5	11627-042	11/15/10	5.5/6	mg/Kg		0.537 U	20600	647	0.269 U	**491**	**6020**	11.2	96.0	~
	MC-014X_11.5	11627-045	11/15/10	11.5/12	mg/Kg		0.461 U	35300	589	0.231 U	**416**	**9460**	11.8	80.0	~
	MC-014X_13.0	11627-046	11/15/10	13/13.5	mg/Kg		0.452 U	32300	622	0.226 U	**468**	**10100**	11.8	75.0	~
	MC-014X_17.0	11627-048	11/15/10	17/17.5	mg/Kg		0.428 U	34400	589	0.214 U	**428**	**9360**	12.2	74.9	~
	MC-014X_18.0	11627-049	11/15/10	18/18.5	mg/Kg		0.422 U	83.9	23.5	0.260 J	40.3	0.442 U	9.61	-335	~
	MC-014X_20.0	11627-050	11/15/10	20/20.5	mg/Kg		0.359 U	409	23.2	0.179 U	33.4	4.74	10.4	-23	~
	MC-014Y_1.5	11888-048	11/19/10	1.5/2	mg/Kg		0.328 U	29.4	19.7	0.164 U	31.7	0.349 U	7.94	120	~
	MC-014Y_7.0	11888-051	11/19/10	7/7.5	mg/Kg		0.329 U	23.2	20.0	0.165 U	37.8	0.329 U	7.50	163	~
	MC-014Y_8.0	11888-052	11/19/10	8/8.5	mg/Kg		0.283 U	13.1	14.4	0.141 U	27.6	0.322 U	7.41	150	~
	MC-014Y_12.5	11888-054	11/19/10	12.5/13	mg/Kg		0.674 U	36.6	22.2	0.337 U	60.4	0.695 U	6.60	163	~
	MC-014Y_16.5	11888-056	11/19/10	16.5/17	mg/Kg		0.320 U	15.4	17.3	0.160 U	18.1	0.350 U	8.27	91.5	~
Transect MC-015	MC-015V_3.5	11627-028	11/15/10	3.5/4	mg/Kg		0.306 U	87.2	22.4	0.153 U	33.9	2.26	8.33	72.0	~
	MC-015V_5.5	11627-029	11/15/10	5.5/6	mg/Kg		0.393 U	1130	45.8	0.239 J	49.2	0.867 J	11.1	-14.5	~
	MC-015V_11.5	11627-032	11/15/10	11.5/12	mg/Kg		0.325 U	28.1	11.7	0.162 U	23.2	0.339 U	8.32	-135	~
	MC-015V_14.5	11627-034	11/15/10	14.5/15	mg/Kg		0.297 U	19.8	11.1	0.149 U	26.5	0.454 J	7.79	20.0	~
	MC-015V_16.0	11627-036	11/15/10	16/16.5	mg/Kg		0.311 U	26.8	11.7	0.156 U	34.8	0.328 U	7.77	37.0	~
	MC-015V_20.0	11627-038	11/15/10	20/20.5	mg/Kg		0.293 U	7.04	5.23	0.146 U	9.51	0.326 U	7.65	77.0	~
	MC-015W_3.5	11627-016	11/15/10	3.5/4	mg/Kg		0.315 U	59.5	16.3	0.158 U	33.3	1.12 J	9.65	3.00	~
	MC-015W_5.5	11627-017	11/15/10	5.5/6	mg/Kg		0.384 U	2440	23.5	0.272 J	0.769 U	**244**	10.8	-74.8	~
	MC-015W_7.5	11627-018	11/15/10	7.5/8	mg/Kg		0.719 J	43400	775	0.249 U	**400**	**15700**	11.3	62.0	~
	MC-015W_9.0	11627-019	11/15/10	9/9.5	mg/Kg		0.476 U	22200	782	0.238 U	**396**	**1990**	11.8	34.0	~
	MC-015W_11.5	11627-020	11/15/10	11.5/12	mg/Kg		0.337 U	74.6	15.3	0.169 U	27.5	0.632 J	8.65	-238.5	~
	MC-015W_13.5	11627-021	11/15/10	13.5/14	mg/Kg		0.351 U	21.7	9.61	0.176 U	26.1	0.368 U	8.71	22.0	~
	MC-015W_17.5	11627-023	11/15/10	17.5/18	mg/Kg		0.313 U	18.8	12.4	0.156 U	34.7	0.811 J	8.21	-61	~
	MC-015W_21.5	11627-025	11/15/10	21.5/22	mg/Kg		0.323 U	21.9	20.5	0.161 U	29.8	0.891 J	7.70	46.0	~
	MC-015X_3.5	11627-003	11/15/10	3.5/4	mg/Kg		0.317 U	22.0	8.40	0.158 U	37.0	0.331 U	7.46	242	~
	MC-015X_5.5	11627-004	11/15/10	5.5/6	mg/Kg		0.370 U	1390	66.8	0.185 U	**113**	**188**	8.41	78.1	~
	MC-015X_7.5	11627-005	11/15/10	7.5/8	mg/Kg		0.519 U	48900	824	0.260 U	**694**	**21300**	11.0	82.5	~
	MC-015X_11.5	11627-007	11/15/10	11.5/12	mg/Kg		0.436 U	37400	682	0.218 U	**515**	**12300**	11.6	41.0	~
	MC-015X_14.5	11627-010	11/15/10	14.5/15	mg/Kg		0.427 U	37900	725	0.214 U	**419**	**8290**	12.0	26.0	~
	MC-015X_16.5	11627-011	11/15/10	16.5/17	mg/Kg		0.464 U	37700	598	0.232 U	**508**	**3380**	12.1	-342	~
	MC-015X_18.0	11627-012	11/15/10	18/18.5	mg/Kg		0.411 U	145	28.9	0.293 J	48.3	0.479 U	9.14	-372	~
	MC-015X_21.5	11627-013	11/15/10	21.5/22	mg/Kg		0.327 U	35.7	13.8	0.163 U	29.0	0.352 U	9.20	-98	~
	MC-015Y_2.5	11910-003	11/22/2010	2.5/3	Soil		0.747 J	23.8	20.0	0.167 U	10.3	0.344 U	7.52	132	~
	MC-015Y_4.5	11910-004	11/22/2010	4.5/5	Soil		0.304 U	20.3	15.7	0.152 U	30.2	0.312 U	6.86	129	~
	MC-015Y_8.0	11910-007	11/22/2010	8/8.5	Soil		0.323 U	23.3	16.2	0.161 U	33.9	0.362 U	6.78	49.5	~
	MC-015Y_12.5	11910-009	11/22/2010	12.5/13	Soil		0.324 U	26.2	19.9	0.167 J	32.4	0.343 U	7.09	0.400	~

Table 6
Soil Sample Results Summary
Chromate Chemical Production Waste Related Constituents
Former Morris Canal, Chrome Sites 121 and 207
Jersey City, Hudson County, New Jersey

	Sample ID	Laboratory Sample ID	Sampling Date	Sampling Depth (feet)	Unit	NJDEP	Antimony	Chromium	Nickel	Thallium	Vanadium	Hexavalent Chromium	pH/Corrosivity	Oxidation-Reduction Potential (Redox)	Hexavalent Chromium Rerun Samples*
						RDCSRS	31	120,000*	1600	5	78	240	NC	NC	240
						NRDCSRS	450	NC	23000	79	1100	20	NC	NC	20
						IGWSSL	6	NC	31	3	NA	NC	NC	NC	NC
Chrome Site 121	121_B1_1.0	04531-011	05/09/11	1/1.5	mg/Kg		0.332 U	19.6	17.7	0.465	22.4	0.290 U	8.01	159	0.290 U
	121_B1_4.5	04531-013	05/09/11	4.5/5	mg/Kg		0.313 U	29.8	38.6	0.156 U	119	0.280 U	5.86	205	0.280 U
	121_B1_8.0	04531-015	05/09/11	8/8.5	mg/Kg		0.330 U	15.4	14.5	0.196 J	21.7	0.316 U	7.26	40.0	0.316 U
	121_B1_12.0	04531-017	05/09/11	12/12.5	mg/Kg		0.430 U	15.8	12.5	0.215 U	20.3	0.382 U	7.13	75.0	0.382 U
	121_B2_1.5	04531-002	05/09/11	1.5/2	mg/Kg		0.302 U	19.6	15.0	0.527	22.4	0.269 U	7.96	171	0.269 U
	121_B2_4.5	04531-004	05/09/11	4.5/5	mg/Kg		0.331 U	17.5	14.3	0.265 J	19.8	0.296 U	7.96	165	0.296 U
	121_B2_8.0	04531-007	05/09/11	8/8.5	mg/Kg		0.365 U	78.6	17.3	4.15	21.2	0.318 U	7.64	176	0.318 U
	121_B2_12.0	04531-009	05/09/11	12/12.5	mg/Kg		0.879 U	21.2	15.5	0.439 U	36.0	0.757 U	7.27	165	0.757 U
	121_B5_1.0	04574-049	05/10/11	1/1.5	mg/Kg		0.316 U	21.2	23.8	0.217 J	17.9	0.294 U	9.07	250	~
	121_B5_3.5	04574-050	05/10/11	3.5/4	mg/Kg		~	~	~	~	23.9	~	~	~	~
	121_B5_5.5	04574-051	05/10/11	5.5/6	mg/Kg		~	~	~	~	21.1	~	~	~	~
	121_B5_7.5	04574-052	05/10/11	7.5/8	mg/Kg		0.298 U	13.6	10.8	0.149 U	21.5	0.289 U	7.80	-20	~
	121_B5_9.5	04574-053	05/10/11	9.5/10	mg/Kg		0.315 U	17.5	13.2	0.158 U	33.4	0.282 U	7.68	-15	~
	121_B5_13.5	04574-056	05/10/11	13.5/14	mg/Kg		0.307 U	13.2	12.4	0.154 U	22.1	0.274 U	7.57	62.0	~
	121_B5_17.0	04574-058	05/10/11	17/17.5	mg/Kg		0.280 U	10.2	7.41	0.140 U	14.9	0.269 U	7.75	60.0	~
	121-B6_1.0	04630-010	05/11/11	1/1.5	mg/Kg		0.315 U	45.3	14.7	0.158 U	28.3	0.915 J	8.51	374	~
	121-B6_5.5	04630-013	05/11/11	5.5/6	mg/Kg		0.309 U	24.9	10.5	0.154 U	30.4	0.286 U	8.19	185	~
	121-B6_9.5	04630-015	05/11/11	9.5/10	mg/Kg		0.349 U	14.0	14.0	0.175 U	18.6	0.310 U	7.62	-40	~
	121-B6_13.5	04630-017	05/11/11	13.5/14	mg/Kg		0.325 U	14.0	10.9	0.162 U	17.6	0.286 U	7.53	-92	~
	121-B6_17.5	04630-019	05/11/11	17.5/18	mg/Kg		0.339 U	6.35	4.08	0.170 U	8.27	0.291 U	7.66	4.00	~
	121-B7_1.0	04630-002	05/11/11	1/1.5	mg/Kg		0.275 U	16.5	11.7	0.145 J	28.1	0.264 U	9.69	145	~
	121-B7_5.5	04630-004	05/11/11	5.5/6	mg/Kg		0.321 U	20.0	12.4	0.160 U	35.7	0.283 U	8.10	-40	~
	121-B7_9.5	04630-006	05/11/11	9.5/10	mg/Kg		0.300 U	16.4	10.9	0.150 U	30.2	0.278 U	7.87	-7	~
	121-B7_13.0	04630-008	05/11/11	13/13.5	mg/Kg		0.315 U	15.1	11.9	0.157 U	22.1	0.307 U	7.46	-12	~
	121_B9_1.5	04574-021	05/10/11	1.5/2	mg/Kg		0.288 U	15.7	13.3	0.173 J	20.7	0.274 U	8.05	27.0	~
	121_B9_5.5	04574-023	05/10/11	5.5/6	mg/Kg		0.356 U	36.9	14.3	0.249 J	16.0	0.315 U	7.48	-124	~
	121_B9_9.5	04574-025	05/10/11	9.5/10	mg/Kg		0.301 U	15.1	10.5	0.150 U	28.7	0.274 U	8.05	-77	~
	121_B9_13.5	04574-027	05/10/11	13.5/14	mg/Kg		0.298 U	8.16	6.43	0.149 U	13.1	0.286 U	7.81	-46	~
	121_B9_17.0	04574-029	05/10/11	17/17.5	mg/Kg		0.331 U	11.1	7.30	0.165 U	18.5	0.282 U	7.77	-21	~
	121_B10_1.0	04574-030	05/10/11	1/1.5	mg/Kg		0.287 U	39.3	18.3	0.143 U	32.2	0.267 U	7.83	73.0	~
	121_B10_5.5	04574-033	05/10/11	5.5/6	mg/Kg		0.344 U	19.5	15.6	0.438	20.5	0.297 U	7.47	44.0	~
	121_B10_9.5	04574-035	05/10/11	9.5/10	mg/Kg		0.313 U	19.6	12.5	0.156 U	30.9	0.275 U	7.84	90.0	~
	121_B10_13.5	04574-037	05/10/11	13.5/14	mg/Kg		0.363 U	19.2	15.0	0.181 U	28.0	0.338 U	6.96	128	~
	121_B10_17.0	04574-039	05/10/11	17/17.5	mg/Kg		0.333 U	19.9	8.63	0.167 U	35.4	0.287 U	5.12	186	~
	121_B11_1.0	04574-011	05/10/11	1/1.5	mg/Kg		0.307 U	13.7	11.4	0.154 U	20.2	0.279 U	7.70	15.0	~
	121_B11_5.5	04574-013	05/10/11	5.5/6	mg/Kg		0.356 U	18.0	15.0	0.644	18.5	0.307 U	7.52	-110	~
	121_B11_9.5	04574-015	05/10/11	9.5/10	mg/Kg		0.318 U	16.8	11.8	0.159 U	27.3	0.277 U	8.03	-34	~
	121_B11_13.5	04574-017	05/10/11	13.5/14	mg/Kg		0.293 U	6.39	4.89	0.146 U	10.3	0.284 U	8.16	-17	~
	121_B11_17.0	04574-019	05/10/11	17/17.5	mg/Kg		0.291 U	12.6	7.19	0.145 U	20.6	0.286 U	8.31	-17	~
	121_B12_1.0	04574-002	05/10/11	1/1.5	mg/Kg		0.307 U	14.7	11.5	0.154 U	21.1	0.273 U	8.15	191	~
	121_B12_3.5	04574-003	05/10/11	3.5/4	mg/Kg		~	~	~	~	17.5	~	~	~	~
	121_B12_5.5	04574-004	05/10/11	5.5/6	mg/Kg		0.343 U	15.6	14.7	0.171 U	22.3	0.299 U	7.60	-75	~
	121_B12_9.5	04574-006	05/10/11	9.5/10	mg/Kg		0.328 U	16.0	11.9	0.164 U	28.0	0.287 U	7.55	18.0	~
	121_B12_13.0	04574-008	05/10/11	13/13.5	mg/Kg		0.339 U	6.54	5.63	0.169 U	9.89	0.292 U	7.44	29.0	~
	121_B12_17.0	04574-010	05/10/11	17/17.5	mg/Kg		0.333 U	20.1	9.57	0.167 U	25.5	0.288 U	8.27	-54	~
	121_B13_1.0	04574-040	05/10/11	1/1.5	mg/Kg		0.476 J	265	46.1	0.986	38.7	0.903 J	7.31	226	~
	121_B13_5.5	04574-042	05/10/11	5.5/6	mg/Kg		0.330 U	29.4	34.8	0.363	20.9	0.300 U	7.53	229	~
	121_B13_8.5	04574-044	05/10/11	8.5/9	mg/Kg		0.351 U	20.0	13.2	0.175 U	27.6	0.308 U	7.36	-50	~
	121_B13_12.5	04574-046	05/10/11	12.5/13	mg/Kg		0.517 U	19.2	12.1	0.258 U	16.6	0.445 U	6.74	55.0	~
	121_B13_16.0	04574-048	05/10/11	16/16.5	mg/Kg		0.406 U	19.3	8.79	0.203 U	18.1	0.350 U	7.49	0	~
	P6-B1_1.0	04630-020	05/11/11	1/1.5	mg/Kg		0.306 U	59.8	29.6	0.153 U	31.8	2.33	8.02	39.0	~
	P6-B1_5.5	04630-022	05/11/11	5.5/6	mg/Kg		0.323 U	14.1	10.1	0.162 U	23.8	0.296 U	7.94	-50	~
	P6-B1_9.5	04630-025	05/11/11	9.5/10	mg/Kg		0.319 U	20.7	11.6	0.160 U	33.9	0.294 U	7.69	-106	~
	P6-B1_13.0	04630-027	05/11/11	13/13.5	mg/Kg		0.333 U	19.0	12.3	0.166 U	22.5	0.293 U	7.66	-51	~
	P6-B1_17.5	04630-029	05/11/11	17.5/18	mg/Kg		0.302 U	22.0	12.2	0.175 J	34.4	0.271 U	7.58	-7	~

Table 6
Soil Sample Results Summary
Chromate Chemical Production Waste Related Constituents
Former Morris Canal, Chrome Sites 121 and 207
Jersey City, Hudson County, New Jersey

	Sample ID	Laboratory Sample ID	Sampling Date	Sampling Depth (feet)	Unit	NJDEP	Antimony	Chromium	Nickel	Thallium	Vanadium	Hexavalent Chromium	pH/Corrosivity	Oxidation-Reduction Potential (Redox)	Hexavalent Chromium Rerun Samples*
						RDCSRS	31	120,000*	1600	5	78	240	NC	NC	240
						NRDCSRS	450	NC	23000	79	1100	20	NC	NC	20
						IGWSSL	6	NC	31	3	NA	NC	NC	NC	NC
Chrome Site 207	207-B1_1.0	04868-012	05/18/11	1/1.5	mg/Kg		0.313 U	170	15.2	0.587	16.0	0.298 U	9.07	-93	~
	207-B1_5.5	04868-014	05/18/11	5.5/6	mg/Kg		0.330 U	16.5	11.4	0.165 U	24.8	0.291 U	8.15	128	~
	207-B1_8.5	04868-016	05/18/11	8.5/9	mg/Kg		0.313 U	18.2	18.4	0.156 U	30.9	0.296 U	6.44	34.0	~
	207-B1_13.5	04868-017	05/18/11	13.5/14	mg/Kg		0.381 U	13.7	11.2	0.191 U	22.8	0.352 U	7.00	-25	~
	207-B1_17.5	04868-020	05/18/11	17.5/18	mg/Kg		0.302 U	22.4	12.7	0.151 U	37.0	0.272 U	6.33	14.0	~
	207_B2_1.0	04676-040	05/12/11	1/1.5	mg/Kg		1.14 J	270	52.9	1.29	53.6	0.259 U	8.13	95.0	~
	207_B2_5.5	04676-042	05/12/11	5.5/6	mg/Kg		0.315 U	18.7	15.7	0.301 J	29.2	0.282 U	7.54	111	~
	207_B2_9.5	04676-044	05/12/11	9.5/10	mg/Kg		0.292 U	19.7	12.9	0.182 J	30.0	0.278 U	7.65	104	~
	207_B2_13.0	04676-046	05/12/11	13/13.5	mg/Kg		0.490 U	19.3	14.6	0.245 U	29.3	0.438 U	6.57	124	~
	207_B2_16.5	04676-048	05/12/11	16.5/17	mg/Kg		0.295 U	25.8	14.4	0.258 J	33.9	0.276 U	7.44	107	~
	207_B3_1.0	04676-049	05/12/11	1/1.5	mg/Kg		0.865 J	266	55.1	2.41	74.6	0.292 U	10.5	47.0	~
	207_B3_5.5	04676-051	05/12/11	5.5/6	mg/Kg		0.311 U	19.6	14.1	0.238 J	32.7	0.276 U	7.79	108	~
	207_B3_9.5	04676-053	05/12/11	9.5/10	mg/Kg		0.323 U	19.1	12.6	0.256 J	31.4	0.288 U	7.64	98.0	~
	207_B3_13.0	04676-055	05/12/11	13/13.5	mg/Kg		0.295 U	20.2	12.8	0.236 J	32.6	0.283 U	8.18	98.0	~
	207_B3_16.5	04676-058	05/12/11	16.5/17	mg/Kg		0.311 U	22.0	9.26	0.156 U	34.5	0.291 U	7.59	100	~
	207_B4_1.0	04676-031	05/12/11	1/1.5	mg/Kg		0.359 J	71.3	35.8	1.14	63.9	0.253 U	7.82	53.0	~
	207_B4_5.5	04676-033	05/12/11	5.5/6	mg/Kg		0.302 U	55.2	10.9	**6.11**	44.8	0.280 U	7.37	82.0	~
	207_B4_9.5	04676-035	05/12/11	9.5/10	mg/Kg		0.355 U	19.6	12.2	0.370	29.6	0.302 U	7.41	30.0	~
	207_B4_13.0	04676-037	05/12/11	13/13.5	mg/Kg		0.303 U	23.8	16.8	0.272 J	44.9	0.268 U	7.93	103	~
	207_B4_16.5	04676-039	05/12/11	16.5/17	mg/Kg		0.302 U	7.25	3.52	0.260 J	14.3	0.283 U	7.14	115	~
	207_B5_1.0	04676-021	05/12/11	1/1.5	mg/Kg		0.318 U	124	22.5	0.829	27.1	0.282 U	7.49	552	~
	207_B5_5.5	04676-024	05/12/11	5.5/6	mg/Kg		0.295 U	15.2	9.24	1.45	19.5	0.276 U	7.87	317	~
	207_B5_9.5	04676-026	05/12/11	9.5/10	mg/Kg		0.323 U	23.0	11.7	**8.23**	22.3	0.308 U	7.21	15.0	~
	207_B5_13.0	04676-028	05/12/11	13/13.5	mg/Kg		0.626 J	9.81	9.73	0.304 J	15.7	0.300 U	7.87	49.0	~
	207_B5_16.5	04676-030	05/12/11	16.5/17	mg/Kg		0.323 U	16.0	10.2	0.162 U	22.9	0.282 U	7.82	53.0	~
	207_B6_1.0	04531-019	05/09/11	1/1.5	mg/Kg		0.317 U	47.4	14.0	0.928	28.7	0.275 U	8.02	84.0	0.275 U
	207_B6_4.0	04531-021	05/09/11	6/6.5	mg/Kg		0.310 U	16.9	14.2	0.204 J	27.8	0.282 U	8.16	86.0	0.282 U
	207_B6_8.0	04531-023	05/09/11	8/8.5	mg/Kg		0.329 U	21.5	16.2	0.210 J	31.6	0.304 U	7.39	-18	0.304 U
	207_B6_10.0	04531-024	05/09/11	10/10.5	mg/Kg		~	~	~	0.160 U	~	~	~	~	~
	207_B6_12.0	04531-025	05/09/11	12/12.5	mg/Kg		0.454 U	21.4	17.1	0.227 U	30.5	0.407 U	7.29	35.0	0.407 U
	207_B8_1.0	04531-028	05/09/11	1/1.5	mg/Kg		0.296 U	60.6	14.4	0.268 J	34.9	0.275 U	7.44	56.0	0.275 U
	207_B8_6.0	04531-031	05/09/11	6/6.5	mg/Kg		0.287 U	15.1	12.7	0.234 J	23.6	0.271 U	8.26	59.0	0.271 U
	207_B8_9.0	04531-032	05/09/11	9/9.5	mg/Kg		0.400 U	24.2	21.2	0.649	35.1	0.346 U	7.40	30.0	0.346 U
	207_B8_12.0	04531-034	05/09/11	12/12.5	mg/Kg		0.293 U	7.24	6.19	0.146 U	11.2	0.281 U	8.25	13.0	0.281 U
	207_B9_1.0	04531-036	05/09/11	1/1.5	mg/Kg		0.504 J	657	56.6	1.85	**119**	0.352 U	6.95	78.0	0.352 U
	207_B9_4.0	04531-039	05/09/11	4/4.5	mg/Kg		0.293 U	22.9	12.4	0.268 J	35.6	0.280 U	7.44	83.0	0.280 U
	207_B9_8.0	04531-041	05/09/11	8/8.5	mg/Kg		0.313 U	21.1	11.0	0.399	22.6	0.277 U	8.28	78.0	0.277 U
	207_B9_12.0	04531-043	05/09/11	12/12.5	mg/Kg		0.293 U	6.63	6.05	0.146 U	9.78	0.281 U	8.15	71.0	0.281 U
	207_B9_14.5	04531-044	05/09/11	14.5/15	mg/Kg		0.484 U	38.5	28.7	0.242 U	44.6	0.437 U	7.94	35.0	0.437 U
	207-B16_1.5	04630-063	05/11/11	1.5/2	mg/Kg		0.580 J	202	52.9	0.171 U	**103**	0.297 U	7.50	-14	~
	207-B16_5.5	04630-065	05/11/11	5.5/6	mg/Kg		0.335 U	28.5	13.9	0.172 J	23.1	0.307 U	7.40	-8	~
	207-B16_9.5	04630-067	05/11/11	9.5/10	mg/Kg		0.394 U	361	22.3	0.395	24.4	0.353 U	7.23	16.0	~
	207-B16_13.5	04630-069	05/11/11	13.5/14	mg/Kg		0.538 U	38.0	22.1	0.269 U	53.2	0.488 U	7.63	3.00	~
	207-B16_17.5	04630-071	05/11/11	17.5/18	mg/Kg		0.340 U	16.2	7.38	0.170 U	25.8	0.294 U	8.06	-101	~
	207-B17_1.0	04630-052	05/11/11	1/1.5	mg/Kg		0.558 J	228	36.2	0.180 J	59.6	0.281 U	7.60	64.0	~
	207-B17_5.5	04630-055	05/11/11	5.5/6	mg/Kg		0.320 U	49.4	14.3	0.160 U	28.9	0.293 U	7.79	-77	~
	207-B17_9.5	04630-057	05/11/11	9.5/10	mg/Kg		0.639 J	17500	34.8	0.724	1.02 U	0.457 U	7.40	-30	~
	207-B17_13.5	04630-059	05/11/11	13.5/14	mg/Kg		0.476 U	40.3	25.8	0.279 J	54.6	0.406 U	7.00	-28	~
	207-B17_17.5	04630-061	05/11/11	17.5/18	mg/Kg		0.327 U	21.4	9.89	0.164 U	27.7	0.296 U	7.53	-9	~
	207_B18_1.0	04676-002	05/12/11	1/1.5	mg/Kg		0.946 J	212	49.4	1.52	**123**	0.346 U	6.54	206	~
	207_B18_5.5	04676-005	05/12/11	5.5/6	mg/Kg		0.311 U	17.2	11.8	0.267 J	26.7	0.280 U	7.09	5.00	~
	207_B18_9.5	04676-007	05/12/11	9.5/10	mg/Kg		0.385 U	1410	17.7	1.88	30.4	0.335 U	7.27	-28	~
	207_B18_13.0	04676-009	05/12/11	13/13.5	mg/Kg		0.484 U	46.2	28.8	0.464 J	57.4	0.430 U	7.35	3.00	~
	207_B18_16.5	04676-011	05/12/11	16.5/17	mg/Kg		0.331 U	3.02	1.24 J	0.294 J	3.85	0.303 U	7.70	-15	~
	207_B19_1.0	04676-012	05/12/11	1/1.5	mg/Kg		0.509 J	112	30.8	1.06	44.1	0.304 U	7.73	18.0	~
	207_B19_5.5	04676-014	05/12/11	5.5/6	mg/Kg		0.316 U	22.8	14.3	0.486	32.1	0.292 U	7.31	-96	~
	207_B19_9.5	04676-016	05/12/11	9.5/10	mg/Kg		0.378 U	73.4	16.9	1.24	38.9	0.324 U	7.18	-58	~
	207_B19_13.0	04676-018	05/12/11	13/13.5	mg/Kg		0.453 U	38.1	22.6	0.434 J	57.0	0.430 U	7.52	-93	~
	207_B19_16.5	04676-020	05/12/11	16.5/17	mg/Kg		0.328 U	23.4	11.7	0.252 J	31.6	0.315 U	7.32	-54	~

Table 6
Soil Sample Results Summary
Chromate Chemical Production Waste Related Constituents
Former Morris Canal, Chrome Sites 121 and 207
Jersey City, Hudson County, New Jersey

	Sample ID	Laboratory Sample ID	Sampling Date	Sampling Depth (feet)	Unit	NJDEP	Antimony	Chromium	Nickel	Thallium	Vanadium	Hexavalent Chromium	pH/Corrosivity	Oxidation-Reduction Potential (Redox)	Hexavalent Chromium Rerun Samples*
						RDCSRS	31	120,000*	1600	5	78	240	NC	NC	240
						NRDCSRS	450	NC	23000	79	1100	20	NC	NC	20
						IGWSSL	6	NC	31	3	NA	NC	NC	NC	NC
Property #3	P3-B1_3.5	04630-032	05/11/11	3.5/4	mg/Kg		0.344 U	172	21.3	0.269 J	40.7	0.301 U	7.52	18.0	~
	P3-B1_5.5	04630-033	05/11/11	5.5/6	mg/Kg		0.361 U	15.9	15.0	0.181 U	20.4	0.320 U	7.42	-17	~
	P3-B1_9.5	04630-035	05/11/11	9.5/10	mg/Kg		0.283 U	16.5	10.9	0.142 U	28.9	0.280 U	7.39	-86	~
	P3-B1_13.5	04630-037	05/11/11	13.5/14	mg/Kg		0.348 U	15.4	10.4	0.174 U	26.0	0.310 U	7.05	-80	~
	P3-B1_17.5	04630-039	05/11/11	17.5/18	mg/Kg		0.290 U	7.00	6.25	0.145 U	10.2	0.278 U	8.58	164	~
Property #8	P8-B5_1.0	04630-041	05/11/11	1/1.5	mg/Kg		0.375 J	47.4	16.7	0.130	21.7	0.268 U	8.18	172	~
	P8-B5_5.5	04630-044	05/11/11	5.5/6	mg/Kg		0.336 U	15.3	13.0	0.168 U	23.7	0.296 U	7.47	132	~
	P8-B5_9.5	04630-046	05/11/11	9.5/10	mg/Kg		0.325 U	18.0	12.4	0.163 U	30.7	0.281 U	7.37	-35	~
	P8-B5_13.5	04630-048	05/11/11	13.5/14	mg/Kg		0.309 U	23.9	14.1	0.154 U	29.6	0.280 U	7.57	-32	~
	P8-B5_17.5	04630-050	05/11/11	17.5/18.0	mg/Kg		0.306 U	18.5	10.3	0.153 U	21.8	0.268 U	7.78	-26	~

Footnotes:
~ = Parameter not analyzed
U = The compound was not detected at the indicated concentration
J = Concentration was reported below the RL but above the MDL; estimated concentration
NC = No Criteria
BOLD = Sample exceeds NJDEP Soil Remediation Standard (SRS)
* = indicates most stringent (residential) soil cleanup criteria of 120,000 mg/kg for trivalent chromium pursuant to the Chromium Soil Cleanup Criteria (NJDEP, September 2008 revised April 2010)