

Table 5
PPG Site 107: Soil Sample Results and Exceedances of
NJDEP Impact to Groundwater Soil Screening Levels



NA= NOT ANALYZED, NC= NO CRITERIA U= CONSTITUENT NOT DETECTED ITALIC RESULT=EXCEEDS NJDEP IGWSSL *=MDL EXCEEDS ONE OR MORE SOIL STANDARD DF = Dilution Factor; TOC = Total Organic Carbon						NJDEP Impact to Groundwater Soil Screening Levels												Ferrous Iron (mg/L)	ORP (mV)	pH	TOC (mg/kg)	Total Sulfide (mg/kg)
						Antimony		Chromium		Hexavalent Chromium		Nickel		Thallium		Vanadium						
						6 mg/kg		No Criteria		No Criteria		31 mg/kg		3 mg/kg		No Criteria						
Sample ID	Laboratory ID	Sample Date	Depth (ft)	Depth (ft)	Depth to GW (ft.)	Result (mg/kg)	DF	Result (mg/kg)	DF	Result (mg/kg)	DF	Result (mg/kg)	DF	Result (mg/kg)	DF	Result (mg/kg)	DF					
107_D021_0.0	460-23116-15	2/15/2011	0	0.5	15	0.22	4	79.4	4	0.73	1	31.7	4	1 U	4	33.4	4	NA	487	8.13	NA	NA
107_D023_3.5	460-23077-34	2/14/2011	3.5	4	16.02	6.2	4	334	4	2.1	1	10.0	4	0.99 U	4	12.5	4	NA	443	8.15	NA	NA
107_E026A_4.5	460-23077-28	2/14/2011	4.5	5	11.5	0.95 U	4	269	4	0.79	1	34.2	4	1 U	4	61.9	4	NA	471	8.47	NA	NA
107_E026A_7.0	460-23077-29	2/14/2011	7	7.5	11.5	1 U	4	33.3	4	0.63 U	1	50.6	4	1.1 U	4	16.5	4	NA	506	7.88	NA	NA
107_E028A_3.5	460-23077-15	2/14/2011	3.5	4	10	10.8	4	31.1	4	0.56 U	1	39.9	4	1.1 U	4	195	4	NA	436	8.48	NA	NA
107_E028A_6.0	460-23077-16	2/14/2011	6	6.5	10	2.4	4	74.9	4	0.67	1	144	4	1.2 U	4	24.9	4	NA	438	8.39	NA	NA
107_E028A_10.0	460-23077-18	2/14/2011	10.0	10.5	10	1.1 U	4	14.4	4	0.62 U	1	73.9	4	1.2 U	4	16.7	4	NA	438	8.04	NA	NA
107_E029_3.5	460-23077-9	2/14/2011	3.5	4	8	44.9	4	91.5	4	3.0	1	33.7	4	1.1 U	4	45.3	4	NA	522	8.49	NA	NA
107_E029_7.5	460-23077-10	2/14/2011	7.5	8	8	1.2 U	4	17.0	4	0.68 U	1	71.7	4	1.3 U	4	19.6	4	NA	513	7.86	NA	NA
107_E031_3.5	460-23077-2	2/14/2011	3.5	4	9	1 U	4	18.6	4	0.59 U	1	49.9	4	1.1 U	4	19.8	4	NA	489	8.55	NA	NA
107_E034_3.5	460-22465-25	1/25/2011	3.5	4	10	0.99 U	4	39.6	4	2.6	1	43.1	4	1.1 U	4	22	4	NA	322	9.24	NA	NA
107_E034_7.5	460-22465-26	1/25/2011	7.5	8	10	1 U	4	62.2	4	1.9	1	44.6	4	1.1 U	4	18.8	4	NA	302	9.56	NA	NA
107_F040_3.5	460-22638-2	1/31/2011	3.5	4	10	1.3	4	37.2	4	0.57 U	1	50.8	4	1.1 U	4	84.7	4	NA	364	8.04	NA	NA
107_F040_5.5	460-22638-3	1/31/2011	5.5	6	10	1.9	4	82.8	4	0.56 U	1	46.6	4	1.1 U	4	45.8	4	NA	369	7.95	NA	NA
107_F040_6.0	460-22638-4	1/31/2011	6	6.5	10	14.4	10	4870	10	218	5	453	10	3 U*	10	817	10	NA	254	11.1	NA	NA
107_F040_6.5	460-22638-5	1/31/2011	6.5	7	10	6.6	4	1830	4	183	5	178	4	1.1 U	4	351	4	NA	266	11	NA	NA
107_F040_7.5	460-22638-6	1/31/2011	7.5	8	10	3.8	4	668	4	61.2	1	101	4	1.2 U	4	121	4	NA	266	10.7	NA	NA
107_G032_0.0	460-22438-1	1/24/2011	0	0.5	6	1 U	4	40.0	4	1.3	1	57.1	4	1.1 U	4	22.4	4	NA	451	8.84	NA	NA
107_G032_3.5	460-22438-2	1/24/2011	3.5	4	6	1.1 U	4	21.2	4	0.6 U	1	38.3	4	1.2 U	4	22.8	4	NA	451	8.56	NA	NA
107_G034_3.5	460-22438-5	1/24/2011	3.5	4	10	1 U	4	68.6	4	1.6	1	47.9	4	1.1 U	4	29.3	4	NA	378	9.2	NA	NA
107_G034_7.5	460-22438-6	1/24/2011	7.5	8	10	1 U	4	35.0	4	1.3	1	33.0	4	1.1 U	4	23.4	4	NA	380	8.85	NA	NA
107_G036_0.0	460-22465-17	1/25/2011	0	0.5	14	7.8	4	57.6	4	0.58 U	1	21.1	4	1.1 U	4	59.6	4	NA	379	7.55	NA	NA
107_G036_5.0	460-22465-18	1/25/2011	5	5.5	14	1.9	4	468	4	23.0	1	42.2	4	1.1 U	4	87.2	4	0.37 U	355	8.21	43000	14.8
107_G036_6.0	460-22465-19	1/25/2011	6	6.5	14	0.98 U	4	1430	4	20.2	1	189	4	1.1 U	4	402	4	NA	379	9	NA	NA
107_G036_7.0	460-22465-20	1/25/2011	7	7.5	14	0.95 U	4	192	4	4.5	1	43.4	4	1.1 U	4	24.8	4	NA	366	9.33	NA	NA
107_G038_0.0	460-22465-30	1/25/2011	0	0.5	14	0.99 U	4	75.8	4	0.59 U	1	32.0	4	1.1 U	4	59.1	4	NA	349	7.83	NA	NA
107_G038_6.0	460-22465-32	1/25/2011	6	6.5	14	2.5 U	10	2970	10	12.1	1	392	10	2.7 U	10	827	10	0.37 U	343	8.73	36900	3.7 U
107_G040_4.5	460-22560-3	1/28/2011	4.5	5	13	20.9	4	24.4	4	0.58 U	1	18.1	4	1.1 U	4	21.3	4	NA	314	9.65	NA	NA
107_G040_5.0	460-22560-4	1/28/2011	5	5.5	13	0.97 U	4	614	4	11.6	1	79.4	4	1.1 U	4	147	4	NA	336	9.08	NA	NA
107_G040_7.5	460-22560-5	1/28/2011	7.5	8	13	1 U	4	62.5	4	5.2	1	49.6	4	1.1 U	4	27.2	4	NA	346	9.21	NA	NA
107_G040_11.5	460-22560-6	1/28/2011	11.5	12	13	1.1 U	4	28.1	4	0.68 U	1	51.7	4	1.2 U	4	22.3	4	NA	354	8.65	NA	NA
107_G042_7.5	460-22560-10	1/28/2011	7.5	8	21	1 U	4	23.3	4	0.59 U	1	43.6	4	1.1 U	4	21.4	4	NA	367	8.84	NA	NA
107_G042_11.5	460-22560-11	1/28/2011	11.5	12	21	2.2	4	50.4	4	0.8 U	1	84.3	4	1.4 U	4	60.9	4	NA	329	7.92	NA	NA
107_G042_14.0	460-22560-12	1/28/2011	14	14.5	21	1.2	4	7.3	4	0.65 U	1	46.5	4	1.2 U	4	11.2	4	NA	338	8.11	NA	NA
107_G044_7.5	460-22560-31	1/28/2011	7.5	8	9	0.96 U	4	20.9	4	0.57 U	1	57.1	4	1.1 U	4	21.5	4	NA	351	8.92	NA	NA
107_G046_4.5	460-22638-34	1/31/2011	4.5	5	10	0.98 U	4	798	4	0.87	1	73.6	4	1.1 U	4	124	4	NA	382	8.01	NA	NA
107_G046_7.5	460-22638-43	1/31/2011	7.5	8	10	1.1 U	4	27.5	4	0.61	1	49.1	4	1.2 U	4	19.5	4	NA	366	8.36	NA	NA
107_G046_10.0	460-22638-38	1/31/2011	10.0	10.5	10	1.1 U	4	16.4	4	0.65 U	1	35.0	4	1.2 U	4	16	4	NA	340	5.96	NA	NA
107_I032_10.0	460-22438-13	1/24/2011	10	10.5	20	2.7	4	86.2	4	2.0	1	103	4	1.3 U	4	45.4	4	NA	555	7.36	NA	NA
107_I034_3.5	460-22438-17	1/24/2011	3.5	4	5	0.99 U	4	41.5	4	0.59 U	1	90.2	4	1.1 U	4	21.8	4	NA	433	8.22	NA	NA
107_I036_0.0	460-22465-10	1/25/2011	0	0.5	12.5	7.2	4	27.9	4	0.61 U	1	26.4	4	1.2 U	4	75.8	4	NA	420	7.59	NA	NA
107_I036_7.5	460-22465-12	1/25/2011	7.5	8	12.5	0.99 U	4	14.1	4	0.56 U	1	43.2	4	1.1 U	4	16.4	4	NA	391	8.48	NA	NA

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						Antimony		Chromium		Hexavalent Chromium		Nickel		Thallium		Vanadium						
						6 mg/kg		No Criteria		No Criteria		31 mg/kg		3 mg/kg		No Criteria						
Sample ID	Laboratory ID	Sample Date	Depth (ft)	Depth (ft)	Depth to GW (ft.)	Result (mg/kg)	DF	Result (mg/kg)	DF	Result (mg/kg)	DF	Result (mg/kg)	DF	Result (mg/kg)	DF	Result (mg/kg)	DF					
107_I038_0.0	460-22506-1	1/26/2011	0	0.5	12	1.1	4	53.9	4	0.63 U	1	52.0	4	1.2 U	4	82.4	4	NA	483	7.85	NA	NA
107_I038_3.5	460-22506-2	1/26/2011	3.5	4	12	1.3	4	22.7	4	0.57 U	1	38.2	4	1.1 U	4	29.8	4	NA	446	8.04	NA	NA
107_I038_6.5	460-22506-3	1/26/2011	6.5	7	12	1.7	4	106	4	0.58 U	1	47.5	4	1.1 U	4	29.9	4	NA	293	10.1	NA	NA
107_I038_7.0	460-22506-4	1/26/2011	7	7.5	12	69.8	10	5580	10	183	5	395	10	3 U*	10	528	10	NA	284	10.6	NA	NA
107_I038_8.0	460-22506-5	1/26/2011	8	8.5	12	1 U	4	52.4	4	31.1	1	35.8	4	1.1 U	4	21.4	4	NA	298	9.18	NA	NA
107_I038_10.0	460-22506-6	1/26/2011	10	10.5	12	0.99 U	4	54.0	4	9.5	1	54.0	4	1.1 U	4	19.8	4	NA	295	9.32	NA	NA
107_I038_12.0	460-22506-8	1/26/2011	12	12.5	12	171	4	286	4	13.3	1	31.9	4	1.1 U	4	23.2	4	NA	250	9.74	NA	NA
107_I040_7.5	460-22506-29	1/26/2011	7.5	8	12.5	0.97 U	4	19.5	4	0.58 U	1	47.0	4	1.1 U	4	18.2	4	NA	331	8.05	NA	NA
107_I040_11.5	460-22506-30	1/26/2011	11.5	12	12.5	1 U	4	18.8	4	0.61 U	1	41.5	4	1.1 U	4	20.7	4	NA	385	9.09	NA	NA
107_I042_7.5	460-22560-17	1/28/2011	7.5	8	12.5	1 U	4	19.5	4	0.57 U	1	41.1	4	1.1 U	4	20.7	4	NA	359	8.62	NA	NA
107_I042_11.5	460-22560-18	1/28/2011	11.5	12	12.5	1 U	4	22.1	4	0.61 U	1	57.5	4	1.1 U	4	21.8	4	NA	360	8.49	NA	NA
107_I044_7.5	460-22638-13	1/31/2011	7.5	8	11.5	1 U	4	17.8	4	0.58 U	1	33.6	4	1.1 U	4	20	4	NA	366	8.32	NA	NA
107_I044_11.5	460-22638-14	1/31/2011	11.5	12.0	11.5	2.9	4	62.1	4	0.77 U	1	7,020	25	1.4 U	4	38.9	4	NA	334	7.45	NA	NA
107_I046_7.5	460-22638-43	1/31/2011	7.5	8	20.5	1.1 U	4	27.5	4	0.61	1	49.1	4	1.2 U	4	19.5	4	NA	366	8.36	NA	NA
107_I046_11.5	460-22638-44	1/31/2011	11.5	12	20.5	1.3 U	4	14.8	4	0.77 U	1	85.7	4	1.5 U	4	15.6	4	NA	354	7.63	NA	NA
107_K038_3.5	460-22506-13	1/26/2011	3.5	4	15	1.2	4	32.6	4	0.6 U	1	31.6	4	1.1 U	4	78.3	4	NA	376	8.2	NA	NA
107_K038_7.5	460-22506-14	1/26/2011	7.5	8	15	1.1 U	4	21.7	4	0.6 U	1	33.5	4	1.2 U	4	23.1	4	NA	375	8.32	NA	NA
107_K040_11.5	460-22506-23	1/26/2011	11.5	12	14	1 U	4	24.0	4	0.61 U	1	56.8	4	1.1 U	4	23	4	NA	358	8.43	NA	NA
107_K042_7.5	460-22560-24	1/28/2011	7.5	8	15.34	1 U	4	21.3	4	0.58 U	1	45.7	4	1.1 U	4	24.3	4	NA	271	10.5	NA	NA
107_K042_15.0	460-22560-26	1/28/2011	15	15.5	15.34	1.2 U	4	10.2	4	0.68 U	1	47.6	4	1.3 U	4	17.7	4	NA	342	8.12	NA	NA
107_K044_7.5	460-22638-20	1/31/2011	7.5	8	12.3	1 U	4	22.1	4	0.57 U	1	45.1	4	1.1 U	4	20.1	4	NA	393	8.08	NA	NA
107_K046_0.0	460-22638-25	1/31/2011	0	0.5	12	1 U	4	28.2	4	0.59 U	1	32.5	4	1.1 U	4	153	4	NA	346	8.09	NA	NA
107_K046_3.5	460-22638-26	1/31/2011	3.5	4	12	1 U	4	32.3	4	0.59 U	1	35.9	4	1.1 U	4	147	4	NA	344	7.99	NA	NA
107_K046_11.5	460-22638-27	1/31/2011	11.5	12	12	1.7	4	46.1	4	0.76 U	1	38.7	4	1.5 U	4	27.8	4	NA	283	6.43	NA	NA
107_M020_0.0	460-23018-11	2/11/2011	0	0.5	9	1 U	4	158	4	0.58 U	1	38.6	4	1.1 U	4	104	4	NA	418	8.2	NA	NA
107_M020_1.0/1.2	460-23018-15	2/11/2011	1	1.5	9	1 U	4	2180	4	116	5	321	4	1.1 U	4	734	4	NA	414	9.14	NA	NA
107_M020_2.5	460-23018-16	2/11/2011	2.5	3	9	3.1 U	10	4600	10	239	5	457	10	3.4 U*	10	701	10	NA	296	11.6	NA	NA
107_M020_3.0	460-23018-17	2/11/2011	3	3.5	9	3.9	4	3450	10	158	5	123	4	1.4 U	4	217	4	NA	316	10.6	NA	NA
107_M022_0.0	460-23018-1	2/11/2011	0	0.5	7	1.1 U	4	449	4	0.72	1	68.0	4	1.2 U	4	130	4	NA	425	7.87	NA	NA
107_M022_1.0/2.0	460-23018-2	2/11/2011	1	1.5	7	0.96	4	210	4	1.4	1	41.8	4	1 U	4	99.1	4	NA	356	8.3	NA	NA
107_M024_0.5	460-22995-34	2/10/2011	0.5	2	21.5	0.96 U	4	458	4	16.7	1	76.7	4	1.1 U	4	128	4	NA	510	8.75	NA	NA
107_M026_0.5	460-22995-27	2/10/2011	0.5	3	17.8	1.1 U	4	4360	20	223	5	309	4	1.2 U	4	547	4	NA	303	9.7	NA	NA
107_M028_0.0	460-22995-21	2/10/2011	0	0.5	14	1.6	4	416	4	80.4	2	100	4	1 U	4	147	4	NA	444	8.7	NA	NA
107_M028_0.5	460-22995-22	2/10/2011	0.5	1	14	4.7	10	3950	10	225	5	510	10	3.3 U*	10	648	10	NA	407	10	NA	NA
107_M028_1.0	460-22995-23	2/10/2011	1	1.5	14	21.2	20	11600	20	160	5	673	20	7.3 U*	20	734	20	NA	301	11.6	NA	NA
107_M030_0.0	460-22995-15	2/10/2011	0	0.5	15	1.8	4	748	4	3.9	1	111	4	1.2 U	4	214	4	NA	355	8.07	NA	NA
107_M030_0.5	460-22995-16	2/10/2011	0.5	2	15	2.0	4	822	4	77.6	2	98.1	4	1.1 U	4	134	4	NA	351	9.83	NA	NA
107_M032_0.5	460-22995-10	2/10/2011	0.5	1.5	10	2.7	4	1470	4	189	5	179	4	1.1 U	4	286	4	NA	367	10.5	NA	NA
107_M032_1.5	460-22995-11	2/10/2011	1.5	2	10	8.7	4	3130	10	263	5	355	4	1.6 U	4	620	4	NA	371	10.5	NA	NA
107_M034_0.0	460-22995-1	2/10/2011	0	0.5	20	1.2	4	41.1	4	0.57 U	1	34.9	4	1.1 U	4	65.8	4	NA	517	7.59	NA	NA
107_M034_3.0	460-22995-2	2/10/2011	3	3.5	20	2.7	4	606	4	1.5	1	75.3	4	1.1 U	4	141	4	NA	517	8.05	NA	NA
107_M034_3.5	460-22995-3	2/10/2011	3.5	4.5	20	2.9	4	809	4	1.4	1	65.1	4	1.1 U	4	117	4	NA	503	8.41	NA	NA

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107_M038_3.5	460-22948-2	2/9/2011	3.5	4	10.5	1 U	4	1030	4	0.66	1	129	4	1.1 U	4	230	4	NA	415	7.97	NA	NA				
107_M040_7.5	460-22948-40	2/9/2011	7.5	8	15	14.7	4	948	4	0.54 U	1	44.6	4	1 U	4	49.2	4	NA	370	7.9	NA	NA				
107_M042_0.5	460-22948-32	2/9/2011	0.5	1	20	1.2	4	40.4	4	0.79	1	39.6	4	1.1 U	4	81.5	4	NA	397	7.85	NA	NA				
107_M042_7.5	460-22948-34	2/9/2011	7.5	8	20	7.2	4	58.8	4	0.6 U	1	45.9	4	1.1 U	4	30.8	4	NA	406	8.17	NA	NA				
107_M044_7.5	460-22948-29	2/9/2011	7.5	8	11	1 U	4	110	4	0.59 U	1	48.6	4	1.1 U	4	27.7	4	NA	440	8	NA	NA				
107_M046_0.0	460-22912-18	2/8/2011	0	0.5	11.6	1.4	4	34.2	4	0.63 U	1	39.8	4	1.2 U	4	64.3	4	NA	415	7.73	NA	NA				
107_M046_8.0	460-22912-20	2/8/2011	8	8.5	11.6	10.1	4	144	4	0.59 U	1	50.1	4	1.1 U	4	71.3	4	NA	447	7.55	NA	NA				

Note:

Only samples collected in unsaturated zone were compared to NJDEP Impact to Groundwater Soil Screening Levels.