APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWBF-061915-A	6/19/15 10:10	Ac-228	20	pCi/L	U	10F	EPA 901.1	SMP	14	22
BDD-SWBF-061915-A	6/19/15 10:10	Ac-228	-8	pCi/L	U	10F	EPA 901.1	DUP	25	43
BDD-SWBF-061915-A	6/19/15 10:10	Am-241	-0.004	pCi/L	U	10F	HASL-300	SMP	0.0094	0.0371
BDD-SWBF-061915-A	6/19/15 10:10	Be-7	28	pCi/L	U	10F	EPA 901.1	DUP	34	56
BDD-SWBF-061915-A	6/19/15 10:10	Be-7	16	pCi/L	U	10F	EPA 901.1	SMP	28	46
BDD-SWBF-061915-A	6/19/15 10:10	Bi-212	53	pCi/L	U	10F	EPA 901.1	SMP	51	82
BDD-SWBF-061915-A	6/19/15 10:10	Bi-212	14	pCi/L	U	10F	EPA 901.1	DUP	62	106
BDD-SWBF-061915-A	6/19/15 10:10	Bi-214	8.7	pCi/L	U	10F	EPA 901.1	DUP	8.9	14.3
BDD-SWBF-061915-A	6/19/15 10:10	Bi-214	1	pCi/L	U	10F	EPA 901.1	SMP	12	20
BDD-SWBF-061915-A	6/19/15 10:10	Co-60	-0.1	pCi/L	U	10F	EPA 901.1	DUP	4.3	7.7
BDD-SWBF-061915-A	6/19/15 10:10	Co-60	-1.2	pCi/L	U	10F	EPA 901.1	SMP	3.6	6.6
BDD-SWBF-061915-A	6/19/15 10:10	Cs-134	4	pCi/L	U	10F	EPA 901.1	DUP	4.1	6.6
BDD-SWBF-061915-A	6/19/15 10:10	Cs-134	0.6	pCi/L	U	10F	EPA 901.1	SMP	3.9	6.6
BDD-SWBF-061915-A	6/19/15 10:10	Cs-137	-3.9	pCi/L	U,D	10F	EPA 901.1	DUP	4.3	7.9
BDD-SWBF-061915-A	6/19/15 10:10	Cs-137	3	pCi/L	U	10F	EPA 901.1	SMP	3.3	5.3
BDD-SWBF-061915-A	6/19/15 10:10	Gross alpha	3.91	pCi/L		UF	EPA 900.0	SMP	0.86	2.28
BDD-SWBF-061915-A	6/19/15 10:10	Gross beta	8.6	pCi/L		UF	EPA 900.0	SMP	1.1	2.8
BDD-SWBF-061915-A	6/19/15 10:10	I-131	8.7	pCi/L	U	10F	EPA 901.1	DUP	8.5	13.7
BDD-SWBF-061915-A	6/19/15 10:10	I-131	-0.8	pCi/L	U	10F	EPA 901.1	SMP	6	10.4
BDD-SWBF-061915-A	6/19/15 10:10	K-40	-20	pCi/L	U	10F	EPA 901.1	DUP	110	190
BDD-SWBF-061915-A	6/19/15 10:10	K-40	-45	pCi/L	U	10F	EPA 901.1	SMP	84	145
BDD-SWBF-061915-A	6/19/15 10:10	Na-22	-1	pCi/L	U	10F	EPA 901.1	SMP	3.2	5.8
BDD-SWBF-061915-A	6/19/15 10:10	Na-22	-1.7	pCi/L	U	10F	EPA 901.1	DUP	4.5	8.2
BDD-SWBF-061915-A	6/19/15 10:10	Np-237	0.008	pCi/L	U	10F	HASL-300	SMP	0.017	0.069
BDD-SWBF-061915-A	6/19/15 10:10	Pa-234m	180	pCi/L	U	10F	EPA 901.1	SMP	610	1040
BDD-SWBF-061915-A	6/19/15 10:10	Pa-234m	180	pCi/L	U	10F	EPA 901.1	DUP	700	1200
BDD-SWBF-061915-A	6/19/15 10:10	Pb-212	3	pCi/L	U	10F	EPA 901.1	DUP	11	18
BDD-SWBF-061915-A	6/19/15 10:10	Pb-212	-0.2	pCi/L	U	10F	EPA 901.1	SMP	8.5	14.3
BDD-SWBF-061915-A	6/19/15 10:10	Pb-214	4.3	pCi/L	U	10F	EPA 901.1	SMP	7	11.5
BDD-SWBF-061915-A	6/19/15 10:10	Pb-214	0	pCi/L	U	10F	EPA 901.1	DUP	12	21
BDD-SWBF-061915-A	6/19/15 10:10	Pu-238	0.0059	pCi/L	U	10F	HASL-300	SMP	0.0048	0.0145
BDD-SWBF-061915-A	6/19/15 10:10	Pu-239/240	0.0118	pCi/L	U	10F	HASL-300	SMP	0.0069	0.0212
BDD-SWBF-061915-A	6/19/15 10:10	Ra-226	0.3	pCi/L	LT	10F	EPA 903.1	SMP	0.088	0.187
BDD-SWBF-061915-A	6/19/15 10:10	Ra-228	0.24	pCi/L	U	10F	EPA 904.0	SMP	0.13	0.54
BDD-SWBF-061915-A	6/19/15 10:10	Sr-90	0.15	pCi/L	U	UF	ASTM 5811	SMP	0.14	0.63
BDD-SWBF-061915-A	6/19/15 10:10	SSC	0.169	g/L		UF	D3977-97	SMP		
BDD-SWBF-061915-A	6/19/15 10:10	Th-234	20	pCi/L	U	10F	EPA 901.1	SMP	150	260
BDD-SWBF-061915-A	6/19/15 10:10	Th-234	49	pCi/L	U	10F	EPA 901.1	DUP	66	108
BDD-SWBF-061915-A	6/19/15 10:10	Tl-208	1	pCi/L	U	10F	EPA 901.1	SMP	5.4	9
BDD-SWBF-061915-A	6/19/15 10:10	Tl-208	3.4	pCi/L	U	10F	EPA 901.1	DUP	5.4	8.9
BDD-SWBF-061915-A	6/19/15 10:10	U-234	0.631	pCi/L		10F	HASL-300	SMP	0.077	0.041
BDD-SWBF-061915-A	6/19/15 10:10	U-235	0.044	pCi/L	LT	10F	HASL-300	SMP	0.018	0.039
BDD-SWBF-061915-A	6/19/15 10:10	U-238	0.359	pCi/L		10F	HASL-300	SMP	0.052	0.028
BDD-SWSF-070215-A	7/2/15 15:41	Ac-228	12	pCi/L	U	UF	EPA 901.1	SMP	28	48
BDD-SWSF-070215-A	7/2/15 15:41	Am-241	-0.0008	pCi/L	U	UF	HASL-300	SMP	0.0085	0.0325
BDD-SWSF-070215-A	7/2/15 15:41	Be-7	180	pCi/L	U	UF	EPA 901.1	SMP	740	1250
BDD-SWSF-070215-A	7/2/15 15:41	Bi-212	66	pCi/L	U	UF	EPA 901.1	SMP	87	144
BDD-SWSF-070215-A	7/2/15 15:41	Bi-214	1	pCi/L	U	UF	EPA 901.1	SMP	17	28
BDD-SWSF-070215-A	7/2/15 15:41	Co-60	-3.9	pCi/L	U	UF	EPA 901.1	SMP	6.5	12.1
BDD-SWSF-070215-A	7/2/15 15:41	Cs-134	2.8	pCi/L	U	UF	EPA 901.1	SMP	6.9	11.6
BDD-SWSF-070215-A	7/2/15 15:41	Cs-137	2.1	pCi/L	U	UF	EPA 901.1	SMP	5.6	9.5
BDD-SWSF-070215-A	7/2/15 15:41	Gross alpha	2.44	pCi/L	U,M	UF	EPA 900.0	SMP	0.91	3.36
BDD-SWSF-070215-A	7/2/15 15:41	Gross beta	5.68	pCi/L		UF	EPA 900.0	SMP	0.92	2.91
BDD-SWSF-070215-A	7/2/15 15:41	K-40	24	pCi/L	U	UF	EPA 901.1	SMP	96	162
BDD-SWSF-070215-A	7/2/15 15:41	Na-22	0	pCi/L	U	UF	EPA 901.1	SMP	6.4	11.4

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-070215-A	7/2/15 15:41	Np-237	-0.0043	pCi/L	U	UF	HASL-300	SMP	0.0099	0.0482
BDD-SWSF-070215-A	7/2/15 15:41	Pa-234m	0	pCi/L	U	UF	EPA 901.1	SMP	850	1500
BDD-SWSF-070215-A	7/2/15 15:41	Pb-212	8	pCi/L	U	UF	EPA 901.1	SMP	17	28
BDD-SWSF-070215-A	7/2/15 15:41	Pb-214	-6	pCi/L	U	UF	EPA 901.1	SMP	13	22
BDD-SWSF-070215-A	7/2/15 15:41	Pu-238	0.0174	pCi/L	LT	UF	HASL-300	SMP	0.0067	0.0067
BDD-SWSF-070215-A	7/2/15 15:41	Pu-239/240	0.0173	pCi/L	LT	UF	HASL-300	SMP	0.0067	0.0067
BDD-SWSF-070215-A	7/2/15 15:41	Ra-226	0.216	pCi/L	U	UF	EPA 903.1	SMP	0.083	0.218
BDD-SWSF-070215-A	7/2/15 15:41	Ra-228	0.82	pCi/L	Y1,LT	UF	EPA 904.0	SMP	0.22	0.81
BDD-SWSF-070215-A	7/2/15 15:41	Sr-90	0.009	pCi/L	U	UF	ASTM 5811	SMP	0.074	0.246
BDD-SWSF-070215-A	7/2/15 15:41	SSC	0.089	g/L		UF	D3977-97	SMP		
BDD-SWSF-070215-A	7/2/15 15:41	Th-234	70	pCi/L	U	UF	EPA 901.1	SMP	160	270
BDD-SWSF-070215-A	7/2/15 15:41	Tl-208	13	pCi/L	NQ	UF	EPA 901.1	SMP	7.2	10.6
BDD-SWSF-070215-A	7/2/15 15:41	U-234	0.79	pCi/L		UF	HASL-300	SMP	0.079	0.023
BDD-SWSF-070215-A	7/2/15 15:41	U-235	0.0138	pCi/L	LT	UF	HASL-300	SMP	0.0071	0.0094
BDD-SWSF-070215-A	7/2/15 15:41	U-238	0.524	pCi/L		UF	HASL-300	SMP	0.057	0.026
BDD-SWSF-070215-B	7/2/15 16:11	Ac-228	1	pCi/L	U	UF	EPA 901.1	SMP	27	47
BDD-SWSF-070215-B	7/2/15 16:11	Am-241	0.0025	pCi/L	U	UF	HASL-300	SMP	0.0095	0.0352
BDD-SWSF-070215-B	7/2/15 16:11	Be-7	-190	pCi/L	U	UF	EPA 901.1	SMP	610	1080
BDD-SWSF-070215-B	7/2/15 16:11	Bi-212	-44	pCi/L	U	UF	EPA 901.1	SMP	85	154
BDD-SWSF-070215-B	7/2/15 16:11	Bi-214	0	pCi/L	U	UF	EPA 901.1	SMP	16	28
BDD-SWSF-070215-B	7/2/15 16:11	Co-60	0.9	pCi/L	U	UF	EPA 901.1	SMP	4.8	8.6
BDD-SWSF-070215-B	7/2/15 16:11	Cs-134	0.8	pCi/L	U	UF	EPA 901.1	SMP	5.9	10.1
BDD-SWSF-070215-B	7/2/15 16:11	Cs-137	-1.9	pCi/L	U	UF	EPA 901.1	SMP	4.7	8.5
BDD-SWSF-070215-B	7/2/15 16:11	Gross alpha	1.2	pCi/L	U	UF	EPA 900.0	SMP	0.73	2.96
BDD-SWSF-070215-B	7/2/15 16:11	Gross beta	5.75	pCi/L		UF	EPA 900.0	SMP	0.91	2.87
BDD-SWSF-070215-B	7/2/15 16:11	K-40	-54	pCi/L	U	UF	EPA 901.1	SMP	95	169
BDD-SWSF-070215-B	7/2/15 16:11	Na-22	-3.2	pCi/L	U	UF	EPA 901.1	SMP	5.4	10.4
BDD-SWSF-070215-B	7/2/15 16:11	Np-237	-0.006	pCi/L	U	UF	HASL-300	SMP	0.01	0.041
BDD-SWSF-070215-B	7/2/15 16:11	Pa-234m	680	pCi/L	U	UF	EPA 901.1	SMP	820	1330
BDD-SWSF-070215-B	7/2/15 16:11	Pb-212	-1	pCi/L	U	UF	EPA 901.1	SMP	13	23
BDD-SWSF-070215-B	7/2/15 16:11	Pb-214	11.7	pCi/L	U	UF	EPA 901.1	SMP	9.8	15.6
BDD-SWSF-070215-B	7/2/15 16:11	Pu-238	0.0128	pCi/L	LT	UF	HASL-300	SMP	0.0081	0.0115
BDD-SWSF-070215-B	7/2/15 16:11	Pu-239/240	0.0085	pCi/L	U	UF	HASL-300	SMP	0.008	0.0115
BDD-SWSF-070215-B	7/2/15 16:11	Ra-226	0.235	pCi/L	LT	UF	EPA 903.1	SMP	0.083	0.207
BDD-SWSF-070215-B	7/2/15 16:11	Ra-228	0.8	pCi/L	U	UF	EPA 904.0	SMP	0.22	0.81
BDD-SWSF-070215-B	7/2/15 16:11	Sr-90	0.036	pCi/L	U	UF	ASTM 5811	SMP	0.06	0.2
BDD-SWSF-070215-B	7/2/15 16:11	SSC	0.100	g/L		UF	D3977-97	SMP		
BDD-SWSF-070215-B	7/2/15 16:11	Th-234	0	pCi/L	U	UF	EPA 901.1	SMP	150	260
BDD-SWSF-070215-B	7/2/15 16:11	Tl-208	-3	pCi/L	U	UF	EPA 901.1	SMP	10	18
BDD-SWSF-070215-B	7/2/15 16:11	U-234	0.682	pCi/L		UF	HASL-300	SMP	0.07	0.029
BDD-SWSF-070215-B	7/2/15 16:11	U-235	0.0198	pCi/L	U	UF	HASL-300	SMP	0.0096	0.0267
BDD-SWSF-070215-B	7/2/15 16:11	U-238	0.413	pCi/L		UF	HASL-300	SMP	0.048	0.008
BDD-SWSF-070215-C	7/2/15 16:41	Ac-228	1	pCi/L	U	UF	EPA 901.1	SMP	24	42
BDD-SWSF-070215-C	7/2/15 16:41	Am-241	-0.004	pCi/L	U	UF	HASL-300	SMP	0.0082	0.0326
BDD-SWSF-070215-C	7/2/15 16:41	Be-7	-310	pCi/L	U	UF	EPA 901.1	SMP	540	980
BDD-SWSF-070215-C	7/2/15 16:41	Bi-212	16	pCi/L	U	UF	EPA 901.1	SMP	82	142
BDD-SWSF-070215-C	7/2/15 16:41	Bi-214	8	pCi/L	U	UF	EPA 901.1	SMP	15	25
BDD-SWSF-070215-C	7/2/15 16:41	Co-60	2.5	pCi/L	U	UF	EPA 901.1	SMP	4.9	8.3
BDD-SWSF-070215-C	7/2/15 16:41	Cs-134	-1.8	pCi/L	U	UF	EPA 901.1	SMP	5.6	9.9
BDD-SWSF-070215-C	7/2/15 16:41	Cs-137	1.9	pCi/L	U	UF	EPA 901.1	SMP	4.3	7.3
BDD-SWSF-070215-C	7/2/15 16:41	K-40	-30	pCi/L	U	UF	EPA 901.1	SMP	76	136
BDD-SWSF-070215-C	7/2/15 16:41	Na-22	-0.4	pCi/L	U	UF	EPA 901.1	SMP	5.8	10.5
BDD-SWSF-070215-C	7/2/15 16:41	Np-237	0.004	pCi/L	U	UF	HASL-300	SMP	0.012	0.035
BDD-SWSF-070215-C	7/2/15 16:41	Pa-234m	-110	pCi/L	U	UF	EPA 901.1	SMP	730	1330
BDD-SWSF-070215-C	7/2/15 16:41	Pb-212	-5.6	pCi/L	U	UF	EPA 901.1	SMP	9.4	16.4

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-070215-C	7/2/15 16:41	Pb-214	-3.4	pCi/L	U	UF	EPA 901.1	SMP	9.6	16.8
BDD-SWSF-070215-C	7/2/15 16:41	Pu-238	0.0061	pCi/L	U	UF	HASL-300	SMP	0.0073	0.0273
BDD-SWSF-070215-C	7/2/15 16:41	Pu-239/240	0.0062	pCi/L	LT	UF	HASL-300	SMP	0.0047	0.0056
BDD-SWSF-070215-C	7/2/15 16:41	Ra-226	0.203	pCi/L	U	UF	EPA 903.1	SMP	0.083	0.23
BDD-SWSF-070215-C	7/2/15 16:41	Ra-228	0.61	pCi/L	Y1,U	UF	EPA 904.0	SMP	0.2	0.77
BDD-SWSF-070215-C	7/2/15 16:41	Sr-90	0.104	pCi/L	U	UF	ASTM 5811	SMP	0.066	0.213
BDD-SWSF-070215-C	7/2/15 16:41	SSC	0.097	g/L		UF	D3977-97	SMP		
BDD-SWSF-070215-C	7/2/15 16:41	Th-234	3	pCi/L	U	UF	EPA 901.1	SMP	52	88
BDD-SWSF-070215-C	7/2/15 16:41	Tl-208	-0.8	pCi/L	U	UF	EPA 901.1	SMP	7.6	13.2
BDD-SWSF-070215-C	7/2/15 16:41	U-234	0.801	pCi/L		UF	HASL-300	SMP	0.093	0.034
BDD-SWSF-070215-C	7/2/15 16:41	U-235	0.019	pCi/L	LT	UF	HASL-300	SMP	0.013	0.017
BDD-SWSF-070215-C	7/2/15 16:41	U-238	0.428	pCi/L		UF	HASL-300	SMP	0.06	0.034
BDD-SWSF-070215-D	7/2/15 17:41	Ac-228	9	pCi/L	U	UF	EPA 901.1	SMP	31	52
BDD-SWSF-070215-D	7/2/15 17:41	Am-241	-0.0086	pCi/L	U	UF	HASL-300	SMP	0.0078	0.0332
BDD-SWSF-070215-D	7/2/15 17:41	Be-7	290	pCi/L	U	UF	EPA 901.1	SMP	620	1050
BDD-SWSF-070215-D	7/2/15 17:41	Bi-212	-30	pCi/L	U	UF	EPA 901.1	SMP	94	169
BDD-SWSF-070215-D	7/2/15 17:41	Bi-214	2	pCi/L	U	UF	EPA 901.1	SMP	18	31
BDD-SWSF-070215-D	7/2/15 17:41	Co-60	-2.6	pCi/L	U	UF	EPA 901.1	SMP	5.5	10.8
BDD-SWSF-070215-D	7/2/15 17:41	Cs-134	4.1	pCi/L	U	UF	EPA 901.1	SMP	6.2	10.3
BDD-SWSF-070215-D	7/2/15 17:41	Cs-137	2.8	pCi/L	U	UF	EPA 901.1	SMP	5.2	8.8
BDD-SWSF-070215-D	7/2/15 17:41	K-40	0	pCi/L	U	UF	EPA 901.1	SMP	100	180
BDD-SWSF-070215-D	7/2/15 17:41	Na-22	-4.7	pCi/L	U	UF	EPA 901.1	SMP	6.5	12.8
BDD-SWSF-070215-D	7/2/15 17:41	Np-237	0.013	pCi/L	U	UF	HASL-300	SMP	0.013	0.051
BDD-SWSF-070215-D	7/2/15 17:41	Pa-234m	0	pCi/L	U	UF	EPA 901.1	SMP	930	1660
BDD-SWSF-070215-D	7/2/15 17:41	Pb-212	2	pCi/L	U	UF	EPA 901.1	SMP	13	22
BDD-SWSF-070215-D	7/2/15 17:41	Pb-214	9	pCi/L	U	UF	EPA 901.1	SMP	10	17
BDD-SWSF-070215-D	7/2/15 17:41	Pu-238	0.0141	pCi/L	U	UF	HASL-300	SMP	0.008	0.0253
BDD-SWSF-070215-D	7/2/15 17:41	Pu-239/240	0.0151	pCi/L	U	UF	HASL-300	SMP	0.0067	0.018
BDD-SWSF-070215-D	7/2/15 17:41	Ra-226	0.349	pCi/L	LT	UF	EPA 903.1	SMP	0.09	0.156
BDD-SWSF-070215-D	7/2/15 17:41	Ra-228	1.08	pCi/L	Y1	UF	EPA 904.0	SMP	0.24	0.78
BDD-SWSF-070215-D	7/2/15 17:41	Sr-90	0.063	pCi/L	U	UF	ASTM 5811	SMP	0.063	0.207
BDD-SWSF-070215-D	7/2/15 17:41	SSC	0.225	g/L		UF	D3977-97	SMP		
BDD-SWSF-070215-D	7/2/15 17:41	Th-234	13	pCi/L	U	UF	EPA 901.1	SMP	64	106
BDD-SWSF-070215-D	7/2/15 17:41	Tl-208	-2.6	pCi/L	U	UF	EPA 901.1	SMP	8.5	14.9
BDD-SWSF-070215-D	7/2/15 17:41	U-234	0.919	pCi/L		UF	HASL-300	SMP	0.093	0.032
BDD-SWSF-070215-D	7/2/15 17:41	U-235	0.036	pCi/L	LT	UF	HASL-300	SMP	0.014	0.032
BDD-SWSF-070215-D	7/2/15 17:41	U-238	0.589	pCi/L		UF	HASL-300	SMP	0.066	0.022
BDD-SWSF-070215-E	7/2/15 18:11	Ac-228	20	pCi/L	U	UF	EPA 901.1	SMP	23	38
BDD-SWSF-070215-E	7/2/15 18:11	Am-241	0.047	pCi/L	U,M	UF	HASL-300	SMP	0.033	0.108
BDD-SWSF-070215-E	7/2/15 18:11	Be-7	80	pCi/L	U	UF	EPA 901.1	SMP	330	550
BDD-SWSF-070215-E	7/2/15 18:11	Bi-212	69	pCi/L	U	UF	EPA 901.1	SMP	56	88
BDD-SWSF-070215-E	7/2/15 18:11	Bi-214	14	pCi/L	U	UF	EPA 901.1	SMP	22	36
BDD-SWSF-070215-E	7/2/15 18:11	Co-60	-1.3	pCi/L	U	UF	EPA 901.1	SMP	5.8	10.2
BDD-SWSF-070215-E	7/2/15 18:11	Cs-134	-8.1	pCi/L	U	UF	EPA 901.1	SMP	5.8	10.1
BDD-SWSF-070215-E	7/2/15 18:11	Cs-137	3	pCi/L	U	UF	EPA 901.1	SMP	5.1	8.5
BDD-SWSF-070215-E	7/2/15 18:11	K-40	130	pCi/L	U	UF	EPA 901.1	SMP	150	250
BDD-SWSF-070215-E	7/2/15 18:11	Na-22	2.8	pCi/L	U	UF	EPA 901.1	SMP	6.9	11.6
BDD-SWSF-070215-E	7/2/15 18:11	Np-237	0.049	pCi/L	U	UF	HASL-300	SMP	0.028	0.081
BDD-SWSF-070215-E	7/2/15 18:11	Pa-234m	-490	pCi/L	U	UF	EPA 901.1	SMP	940	1640
BDD-SWSF-070215-E	7/2/15 18:11	Pb-212	12	pCi/L	U	UF	EPA 901.1	SMP	16	26
BDD-SWSF-070215-E	7/2/15 18:11	Pb-214	8	pCi/L	U	UF	EPA 901.1	SMP	21	34
BDD-SWSF-070215-E	7/2/15 18:11	Pu-238	0.043	pCi/L	U,M	UF	HASL-300	SMP	0.02	0.056
BDD-SWSF-070215-E	7/2/15 18:11	Pu-239/240	0.725	pCi/L	M3	UF	HASL-300	SMP	0.088	0.073
BDD-SWSF-070215-E	7/2/15 18:11	Ra-226	10.7	pCi/L		UF	EPA 903.1	SMP	1.5	0.8
BDD-SWSF-070215-E	7/2/15 18:11	Ra-228	16.4	pCi/L	M3	UF	EPA 904.0	SMP	2.1	2.8

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-070215-E	7/2/15 18:11	Sr-90	0.28	pCi/L	U	UF	ASTM 5811	SMP	0.21	0.69
BDD-SWSF-070215-E	7/2/15 18:11	SSC	5.309	g/L		UF	D3977-97	SMP		
BDD-SWSF-070215-E	7/2/15 18:11	Th-234	38	pCi/L	U	UF	EPA 901.1	SMP	92	151
BDD-SWSF-070215-E	7/2/15 18:11	Tl-208	1	pCi/L	U	UF	EPA 901.1	SMP	13	21
BDD-SWSF-070215-E	7/2/15 18:11	U-234	9.61	pCi/L		UF	HASL-300	SMP	0.82	0.1
BDD-SWSF-070215-E	7/2/15 18:11	U-235	0.491	pCi/L		UF	HASL-300	SMP	0.086	0.09
BDD-SWSF-070215-E	7/2/15 18:11	U-238	9.95	pCi/L	M3	UF	HASL-300	SMP	0.85	0.11
BDD-SWSF-070215-F	7/2/15 18:41	Ac-228	27	pCi/L	U	UF	EPA 901.1	SMP	24	44
BDD-SWSF-070215-F	7/2/15 18:41	Am-241	0	pCi/L	U,M	UF	HASL-300	SMP	0.031	0.118
BDD-SWSF-070215-F	7/2/15 18:41	Be-7	60	pCi/L	U	UF	EPA 901.1	SMP	330	570
BDD-SWSF-070215-F	7/2/15 18:41	Bi-212	112	pCi/L	U	UF	EPA 901.1	SMP	91	146
BDD-SWSF-070215-F	7/2/15 18:41	Bi-214	18	pCi/L	U	UF	EPA 901.1	SMP	22	37
BDD-SWSF-070215-F	7/2/15 18:41	Co-60	-1.2	pCi/L	U	UF	EPA 901.1	SMP	6	10.6
BDD-SWSF-070215-F	7/2/15 18:41	Cs-134	-2.5	pCi/L	U	UF	EPA 901.1	SMP	6	10.2
BDD-SWSF-070215-F	7/2/15 18:41	Cs-137	-0.9	pCi/L	U	UF	EPA 901.1	SMP	5.1	8.8
BDD-SWSF-070215-F	7/2/15 18:41	K-40	130	pCi/L	U	UF	EPA 901.1	SMP	150	250
BDD-SWSF-070215-F	7/2/15 18:41	Na-22	0.7	pCi/L	U	UF	EPA 901.1	SMP	7	12
BDD-SWSF-070215-F	7/2/15 18:41	Np-237	0.062	pCi/L	U	UF	HASL-300	SMP	0.029	0.074
BDD-SWSF-070215-F	7/2/15 18:41	Pa-234m	790	pCi/L	U	UF	EPA 901.1	SMP	950	1550
BDD-SWSF-070215-F	7/2/15 18:41	Pb-212	13	pCi/L	U	UF	EPA 901.1	SMP	16	26
BDD-SWSF-070215-F	7/2/15 18:41	Pb-214	14	pCi/L	U	UF	EPA 901.1	SMP	22	36
BDD-SWSF-070215-F	7/2/15 18:41	Pu-238	0.054	pCi/L	U,M	UF	HASL-300	SMP	0.028	0.085
BDD-SWSF-070215-F	7/2/15 18:41	Pu-239/240	0.414	pCi/L		UF	HASL-300	SMP	0.059	0.016
BDD-SWSF-070215-F	7/2/15 18:41	Ra-226	13	pCi/L		UF	EPA 903.1	DUP	1.8	0.7
BDD-SWSF-070215-F	7/2/15 18:41	Ra-226	12	pCi/L		UF	EPA 903.1	SMP	1.7	0.8
BDD-SWSF-070215-F	7/2/15 18:41	Ra-228	14.8	pCi/L	M3	UF	EPA 904.0	DUP	2	3.1
BDD-SWSF-070215-F	7/2/15 18:41	Ra-228	13.9	pCi/L	M3	UF	EPA 904.0	SMP	1.9	3.1
BDD-SWSF-070215-F	7/2/15 18:41	Sr-90	0.35	pCi/L	U	UF	ASTM 5811	SMP	0.22	0.72
BDD-SWSF-070215-F	7/2/15 18:41	SSC	6.600	g/L		UF	D3977-97	SMP		
BDD-SWSF-070215-F	7/2/15 18:41	Th-234	6	pCi/L	U	UF	EPA 901.1	SMP	92	152
BDD-SWSF-070215-F	7/2/15 18:41	Tl-208	2	pCi/L	U	UF	EPA 901.1	SMP	13	22
BDD-SWSF-070215-F	7/2/15 18:41	U-234	7.91	pCi/L	M3	UF	HASL-300	SMP	0.68	0.12
BDD-SWSF-070215-F	7/2/15 18:41	U-235	0.226	pCi/L		UF	HASL-300	SMP	0.054	0.07
BDD-SWSF-070215-F	7/2/15 18:41	U-238	8.06	pCi/L		UF	HASL-300	SMP	0.69	0.03
BDD-SWSF-070215-G	7/2/15 19:10	Ac-228	19	pCi/L	U	UF	EPA 901.1	SMP	17	27
BDD-SWSF-070215-G	7/2/15 19:10	Am-241	0.025	pCi/L	U,M	UF	HASL-300	SMP	0.016	0.052
BDD-SWSF-070215-G	7/2/15 19:10	Be-7	280	pCi/L	U	UF	EPA 901.1	SMP	500	840
BDD-SWSF-070215-G	7/2/15 19:10	Bi-212	-2	pCi/L	U	UF	EPA 901.1	SMP	66	114
BDD-SWSF-070215-G	7/2/15 19:10	Bi-214	-8	pCi/L	U	UF	EPA 901.1	SMP	15	26
BDD-SWSF-070215-G	7/2/15 19:10	Co-60	-1	pCi/L	U	UF	EPA 901.1	SMP	4.3	7.7
BDD-SWSF-070215-G	7/2/15 19:10	Cs-134	1.7	pCi/L	U	UF	EPA 901.1	SMP	4.7	7.9
BDD-SWSF-070215-G	7/2/15 19:10	Cs-137	0.7	pCi/L	U	UF	EPA 901.1	SMP	4.1	6.9
BDD-SWSF-070215-G	7/2/15 19:10	K-40	20	pCi/L	U	UF	EPA 901.1	SMP	100	170
BDD-SWSF-070215-G	7/2/15 19:10	Na-22	0.3	pCi/L	U	UF	EPA 901.1	SMP	4.6	8.1
BDD-SWSF-070215-G	7/2/15 19:10	Np-237	0.009	pCi/L	U	UF	HASL-300	SMP	0.013	0.045
BDD-SWSF-070215-G	7/2/15 19:10	Pa-234m	510	pCi/L	U	UF	EPA 901.1	SMP	560	910
BDD-SWSF-070215-G	7/2/15 19:10	Pb-212	3	pCi/L	U	UF	EPA 901.1	SMP	11	19
BDD-SWSF-070215-G	7/2/15 19:10	Pb-214	12.9	pCi/L	U	UF	EPA 901.1	SMP	8.4	13.2
BDD-SWSF-070215-G	7/2/15 19:10	Pu-238	0.033	pCi/L	LT	UF	HASL-300	SMP	0.012	0.032
BDD-SWSF-070215-G	7/2/15 19:10	Pu-239/240	0.22	pCi/L		UF	HASL-300	SMP	0.032	0.031
BDD-SWSF-070215-G	7/2/15 19:10	Ra-226	5.78	pCi/L		UF	EPA 903.1	SMP	0.77	0.17
BDD-SWSF-070215-G	7/2/15 19:10	Ra-228	8.9	pCi/L	M3	UF	EPA 904.0	SMP	1.1	1.1
BDD-SWSF-070215-G	7/2/15 19:10	Sr-90	0.59	pCi/L	LT	UF	ASTM 5811	SMP	0.13	0.36
BDD-SWSF-070215-G	7/2/15 19:10	SSC	3.306	g/L		UF	D3977-97	SMP		
BDD-SWSF-070215-G	7/2/15 19:10	Th-234	26	pCi/L	U	UF	EPA 901.1	SMP	85	142

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-070215-G	7/2/15 19:10	Tl-208	-1.3	pCi/L	U	UF	EPA 901.1	SMP	7.9	13.4
BDD-SWSF-070215-G	7/2/15 19:10	U-234	6.25	pCi/L		UF	HASL-300	SMP	0.52	0.02
BDD-SWSF-070215-G	7/2/15 19:10	U-235	0.247	pCi/L		UF	HASL-300	SMP	0.039	0.029
BDD-SWSF-070215-G	7/2/15 19:10	U-238	5.87	pCi/L		UF	HASL-300	SMP	0.49	0.02
BDD-SWSF-070215-H	7/2/15 19:40	Ac-228	-10	pCi/L	U	UF	EPA 901.1	DUP	29	49
BDD-SWSF-070215-H	7/2/15 19:40	Ac-228	14	pCi/L	U	UF	EPA 901.1	SMP	14	29
BDD-SWSF-070215-H	7/2/15 19:40	Am-241	-0.0047	pCi/L	U	UF	HASL-300	SMP	0.0097	0.0391
BDD-SWSF-070215-H	7/2/15 19:40	Be-7	-200	pCi/L	U	UF	EPA 901.1	DUP	200	360
BDD-SWSF-070215-H	7/2/15 19:40	Be-7	90	pCi/L	U	UF	EPA 901.1	SMP	230	380
BDD-SWSF-070215-H	7/2/15 19:40	Bi-212	36	pCi/L	U	UF	EPA 901.1	DUP	47	77
BDD-SWSF-070215-H	7/2/15 19:40	Bi-212	-15	pCi/L	U	UF	EPA 901.1	SMP	54	93
BDD-SWSF-070215-H	7/2/15 19:40	Bi-214	1	pCi/L	U	UF	EPA 901.1	DUP	12	21
BDD-SWSF-070215-H	7/2/15 19:40	Bi-214	15	pCi/L	U	UF	EPA 901.1	SMP	13	21
BDD-SWSF-070215-H	7/2/15 19:40	Co-60	-1.6	pCi/L	U	UF	EPA 901.1	DUP	2.8	5.1
BDD-SWSF-070215-H	7/2/15 19:40	Co-60	1.8	pCi/L	U	UF	EPA 901.1	SMP	3.4	5.8
BDD-SWSF-070215-H	7/2/15 19:40	Cs-134	-1.8	pCi/L	U	UF	EPA 901.1	DUP	3.3	5.7
BDD-SWSF-070215-H	7/2/15 19:40	Cs-134	-3	pCi/L	U	UF	EPA 901.1	SMP	3.7	6.5
BDD-SWSF-070215-H	7/2/15 19:40	Cs-137	-3	pCi/L	U	UF	EPA 901.1	DUP	2.8	5
BDD-SWSF-070215-H	7/2/15 19:40	Cs-137	-0.9	pCi/L	U	UF	EPA 901.1	SMP	3	5.2
BDD-SWSF-070215-H	7/2/15 19:40	K-40	40	pCi/L	U	UF	EPA 901.1	DUP	95	157
BDD-SWSF-070215-H	7/2/15 19:40	K-40	-21	pCi/L	U	UF	EPA 901.1	SMP	80	136
BDD-SWSF-070215-H	7/2/15 19:40	Na-22	2.7	pCi/L	U	UF	EPA 901.1	DUP	3.2	5.2
BDD-SWSF-070215-H	7/2/15 19:40	Na-22	-1.7	pCi/L	U	UF	EPA 901.1	SMP	3.7	6.5
BDD-SWSF-070215-H	7/2/15 19:40	Pa-234m	150	pCi/L	U	UF	EPA 901.1	DUP	450	760
BDD-SWSF-070215-H	7/2/15 19:40	Pa-234m	300	pCi/L	U	UF	EPA 901.1	SMP	520	860
BDD-SWSF-070215-H	7/2/15 19:40	Pb-212	-3	pCi/L	U	UF	EPA 901.1	DUP	11	18
BDD-SWSF-070215-H	7/2/15 19:40	Pb-212	1.6	pCi/L	U	UF	EPA 901.1	SMP	9.3	15.4
BDD-SWSF-070215-H	7/2/15 19:40	Pb-214	-8	pCi/L	U,D	UF	EPA 901.1	DUP	13	22
BDD-SWSF-070215-H	7/2/15 19:40	Pb-214	12.1	pCi/L	U	UF	EPA 901.1	SMP	7	15.3
BDD-SWSF-070215-H	7/2/15 19:40	Pu-238	0.0182	pCi/L	LT	UF	HASL-300	SMP	0.0076	0.0082
BDD-SWSF-070215-H	7/2/15 19:40	Pu-239/240	0.097	pCi/L		UF	HASL-300	SMP	0.019	0.008
BDD-SWSF-070215-H	7/2/15 19:40	SSC	2.054	g/L		UF	D3977-97	SMP		
BDD-SWSF-070215-H	7/2/15 19:40	Th-234	17	pCi/L	U	UF	EPA 901.1	DUP	89	148
BDD-SWSF-070215-H	7/2/15 19:40	Th-234	20	pCi/L	U	UF	EPA 901.1	SMP	160	260
BDD-SWSF-070215-H	7/2/15 19:40	Tl-208	1.1	pCi/L	U	UF	EPA 901.1	DUP	6.7	11.1
BDD-SWSF-070215-H	7/2/15 19:40	Tl-208	4.1	pCi/L	U	UF	EPA 901.1	SMP	3.9	6.3
BDD-SWSF-070215-H	7/2/15 19:40	U-234	2.04	pCi/L		UF	HASL-300	SMP	0.18	0.03
BDD-SWSF-070215-H	7/2/15 19:40	U-235	0.081	pCi/L	LT	UF	HASL-300	SMP	0.02	0.012
BDD-SWSF-070215-H	7/2/15 19:40	U-238	1.96	pCi/L		UF	HASL-300	SMP	0.18	0.03
BDD-SWSF-070215-I	7/2/15 20:40	SSC	0.806	g/L		UF	D3977-97	SMP		
BDD-SWSF-070715-A	7/7/15 6:09	Ac-228	24	pCi/L	U	UF	EPA 901.1	SMP	14	27
BDD-SWSF-070715-A	7/7/15 6:09	Am-241	0.013	pCi/L	U	10F	HASL-300	SMP	0.013	0.044
BDD-SWSF-070715-A	7/7/15 6:09	Am-241	-0.0065	pCi/g	Y2,U,M	Dry Weight	HASL-300	SMP	0.0086	0.037
BDD-SWSF-070715-A	7/7/15 6:09	Be-7	-30	pCi/L	U	UF	EPA 901.1	SMP	500	850
BDD-SWSF-070715-A	7/7/15 6:09	Bi-212	38	pCi/L	U	UF	EPA 901.1	SMP	68	113
BDD-SWSF-070715-A	7/7/15 6:09	Bi-214	-4	pCi/L	U	UF	EPA 901.1	SMP	21	36
BDD-SWSF-070715-A	7/7/15 6:09	Co-60	-1.6	pCi/L	U	UF	EPA 901.1	SMP	4.1	7.3
BDD-SWSF-070715-A	7/7/15 6:09	Cs-134	-0.6	pCi/L	U	UF	EPA 901.1	SMP	6.5	11.6
BDD-SWSF-070715-A	7/7/15 6:09	Cs-137	0.8	pCi/L	U	UF	EPA 901.1	SMP	4	6.7
BDD-SWSF-070715-A	7/7/15 6:09	Gross alpha	145	pCi/L	M3	UF	EPA 900.0	SMP	14	14
BDD-SWSF-070715-A	7/7/15 6:09	Gross beta	179	pCi/L	M3	UF	EPA 900.0	SMP	15	15
BDD-SWSF-070715-A	7/7/15 6:09	K-40	60	pCi/L	U	UF	EPA 901.1	SMP	130	220
BDD-SWSF-070715-A	7/7/15 6:09	Na-22	1.1	pCi/L	U	UF	EPA 901.1	SMP	5	8.4
BDD-SWSF-070715-A	7/7/15 6:09	Np-237	0.001	pCi/L	U	10F	HASL-300	SMP	0.011	0.055
BDD-SWSF-070715-A	7/7/15 6:09	Np-237	-0.0026	pCi/g	U	Dry Weight	HASL-300	SMP	0.0048	0.0265

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-070715-A	7/7/15 6:09	Pa-234m	100	pCi/L	U	UF	EPA 901.1	SMP	670	1140
BDD-SWSF-070715-A	7/7/15 6:09	Pb-212	7	pCi/L	U	UF	EPA 901.1	SMP	14	23
BDD-SWSF-070715-A	7/7/15 6:09	Pb-214	10.3	pCi/L	U	UF	EPA 901.1	SMP	8.4	13.4
BDD-SWSF-070715-A	7/7/15 6:09	Pu-238	0.0156	pCi/L	LT	10F	HASL-300	SMP	0.0071	0.0085
BDD-SWSF-070715-A	7/7/15 6:09	Pu-238	0.0084	pCi/g	LT	Dry Weight	HASL-300	SMP	0.0029	0.0025
BDD-SWSF-070715-A	7/7/15 6:09	Pu-239/240	0.0217	pCi/L	LT	10F	HASL-300	SMP	0.0084	0.0084
BDD-SWSF-070715-A	7/7/15 6:09	Pu-239/240	0.0075	pCi/g	LT	Dry Weight	HASL-300	SMP	0.003	0.0069
BDD-SWSF-070715-A	7/7/15 6:09	Ra-226	11.1	pCi/L		UF	EPA 903.1	SMP	1.5	0.4
BDD-SWSF-070715-A	7/7/15 6:09	Ra-228	10	pCi/L	M3	UF	EPA 904.0	SMP	1.4	2.1
BDD-SWSF-070715-A	7/7/15 6:09	Sr-90	0.31	pCi/L	U	UF	ASTM 5811	SMP	0.12	0.36
BDD-SWSF-070715-A	7/7/15 6:09	SSC	5.279	g/L		UF	D3977-97	SMP		
BDD-SWSF-070715-A	7/7/15 6:09	Th-234	-20	pCi/L	U	UF	EPA 901.1	SMP	110	180
BDD-SWSF-070715-A	7/7/15 6:09	Tl-208	0.3	pCi/L	U	UF	EPA 901.1	SMP	9.3	15.6
BDD-SWSF-070715-A	7/7/15 6:09	U-234	5.7	pCi/L		10F	HASL-300	SMP	0.49	0.04
BDD-SWSF-070715-A	7/7/15 6:09	U-234	1.039	pCi/g		Dry Weight	HASL-300	SMP	0.085	0.006
BDD-SWSF-070715-A	7/7/15 6:09	U-235	0.286	pCi/L		10F	HASL-300	SMP	0.046	0.03
BDD-SWSF-070715-A	7/7/15 6:09	U-235	0.0472	pCi/g		Dry Weight	HASL-300	SMP	0.0079	0.0074
BDD-SWSF-070715-A	7/7/15 6:09	U-238	5.31	pCi/L		10F	HASL-300	SMP	0.46	0.03
BDD-SWSF-070715-A	7/7/15 6:09	U-238	1.024	pCi/g		Dry Weight	HASL-300	SMP	0.084	0.006
BDD-SWSF-070715-B	7/7/15 6:39	Ac-228	16	pCi/L	U	UF	EPA 901.1	SMP	30	50
BDD-SWSF-070715-B	7/7/15 6:39	Am-241	0.0145	pCi/L	U	10F	HASL-300	SMP	0.0098	0.0322
BDD-SWSF-070715-B	7/7/15 6:39	Am-241	-0.005	pCi/g	U	Dry Weight	HASL-300	SMP	0.004	0.0173
BDD-SWSF-070715-B	7/7/15 6:39	Be-7	180	pCi/L	U	UF	EPA 901.1	SMP	460	770
BDD-SWSF-070715-B	7/7/15 6:39	Bi-212	58	pCi/L	U	UF	EPA 901.1	SMP	62	100
BDD-SWSF-070715-B	7/7/15 6:39	Bi-214	8	pCi/L	U	UF	EPA 901.1	SMP	20	33
BDD-SWSF-070715-B	7/7/15 6:39	Co-60	-3.7	pCi/L	U	UF	EPA 901.1	SMP	4.4	7.7
BDD-SWSF-070715-B	7/7/15 6:39	Cs-134	-5.8	pCi/L	U	UF	EPA 901.1	SMP	4.7	8.2
BDD-SWSF-070715-B	7/7/15 6:39	Cs-137	2.2	pCi/L	U	UF	EPA 901.1	SMP	3.9	6.4
BDD-SWSF-070715-B	7/7/15 6:39	K-40	70	pCi/L	U	UF	EPA 901.1	SMP	110	170
BDD-SWSF-070715-B	7/7/15 6:39	Na-22	-1.6	pCi/L	U	UF	EPA 901.1	SMP	4.2	7.3
BDD-SWSF-070715-B	7/7/15 6:39	Np-237	-0.006	pCi/L	U	10F	HASL-300	SMP	0.011	0.043
BDD-SWSF-070715-B	7/7/15 6:39	Np-237	-0.0036	pCi/g	U	Dry Weight	HASL-300	SMP	0.0045	0.0238
BDD-SWSF-070715-B	7/7/15 6:39	Pa-234m	130	pCi/L	U	UF	EPA 901.1	SMP	620	1050
BDD-SWSF-070715-B	7/7/15 6:39	Pb-212	1	pCi/L	U	UF	EPA 901.1	SMP	16	27
BDD-SWSF-070715-B	7/7/15 6:39	Pb-214	-10	pCi/L	U	UF	EPA 901.1	SMP	17	28
BDD-SWSF-070715-B	7/7/15 6:39	Pu-238	0.0122	pCi/L	U	10F	HASL-300	SMP	0.0077	0.025
BDD-SWSF-070715-B	7/7/15 6:39	Pu-238	0.0028	pCi/g	U	Dry Weight	HASL-300	SMP	0.0023	0.007
BDD-SWSF-070715-B	7/7/15 6:39	Pu-239/240	0.0083	pCi/L	U	10F	HASL-300	SMP	0.0081	0.0317
BDD-SWSF-070715-B	7/7/15 6:39	Pu-239/240	0.0123	pCi/g	LT	Dry Weight	HASL-300	SMP	0.0035	0.0026
BDD-SWSF-070715-B	7/7/15 6:39	Ra-226	8.4	pCi/L		UF	EPA 903.1	SMP	1.2	0.4
BDD-SWSF-070715-B	7/7/15 6:39	Ra-228	7.4	pCi/L	M3	UF	EPA 904.0	SMP	1.1	2.1
BDD-SWSF-070715-B	7/7/15 6:39	Sr-90	0.11	pCi/L	U	UF	ASTM 5811	SMP	0.12	0.39
BDD-SWSF-070715-B	7/7/15 6:39	SSC	4.396	g/L		UF	D3977-97	SMP		
BDD-SWSF-070715-B	7/7/15 6:39	Th-234	80	pCi/L	U	UF	EPA 901.1	SMP	160	260
BDD-SWSF-070715-B	7/7/15 6:39	Tl-208	-0.5	pCi/L	U	UF	EPA 901.1	SMP	9.2	15.4
BDD-SWSF-070715-B	7/7/15 6:39	U-234	4.17	pCi/L		10F	HASL-300	SMP	0.37	0.04
BDD-SWSF-070715-B	7/7/15 6:39	U-234	0.778	pCi/g		Dry Weight	HASL-300	SMP	0.065	0.009
BDD-SWSF-070715-B	7/7/15 6:39	U-235	0.182	pCi/L		10F	HASL-300	SMP	0.038	0.047
BDD-SWSF-070715-B	7/7/15 6:39	U-235	0.0416	pCi/g		Dry Weight	HASL-300	SMP	0.0072	0.0027
BDD-SWSF-070715-B	7/7/15 6:39	U-238	3.69	pCi/L		10F	HASL-300	SMP	0.33	0.04
BDD-SWSF-070715-B	7/7/15 6:39	U-238	0.787	pCi/g		Dry Weight	HASL-300	SMP	0.066	0.009
BDD-SWSF-070715-C	7/7/15 7:09	Ac-228	18	pCi/L	U	UF	EPA 901.1	SMP	24	40
BDD-SWSF-070715-C	7/7/15 7:09	Am-241	0.002	pCi/L	U	10F	HASL-300	SMP	0.01	0.038
BDD-SWSF-070715-C	7/7/15 7:09	Am-241	0.0011	pCi/g	U	Dry Weight	HASL-300	SMP	0.0043	0.016
BDD-SWSF-070715-C	7/7/15 7:09	Be-7	-210	pCi/L	U	UF	EPA 901.1	SMP	470	810

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-070715-C	7/7/15 7:09	Bi-212	53	pCi/L	U	UF	EPA 901.1	SMP	62	101
BDD-SWSF-070715-C	7/7/15 7:09	Bi-214	-1	pCi/L	U	UF	EPA 901.1	SMP	15	25
BDD-SWSF-070715-C	7/7/15 7:09	Co-60	-2.3	pCi/L	U	UF	EPA 901.1	SMP	4.3	7.7
BDD-SWSF-070715-C	7/7/15 7:09	Cs-134	-1.1	pCi/L	U	UF	EPA 901.1	SMP	4.9	8.3
BDD-SWSF-070715-C	7/7/15 7:09	Cs-137	-4.7	pCi/L	U	UF	EPA 901.1	SMP	3.8	6.9
BDD-SWSF-070715-C	7/7/15 7:09	K-40	73	pCi/L	U	UF	EPA 901.1	SMP	86	141
BDD-SWSF-070715-C	7/7/15 7:09	Na-22	0	pCi/L	U	UF	EPA 901.1	SMP	4.3	7.6
BDD-SWSF-070715-C	7/7/15 7:09	Np-237	0.004	pCi/L	U	10F	HASL-300	SMP	0.011	0.032
BDD-SWSF-070715-C	7/7/15 7:09	Np-237	0.0019	pCi/g	U	Dry Weight	HASL-300	SMP	0.0049	0.0208
BDD-SWSF-070715-C	7/7/15 7:09	Pa-234m	-50	pCi/L	U	UF	EPA 901.1	SMP	660	1140
BDD-SWSF-070715-C	7/7/15 7:09	Pb-212	-1	pCi/L	U	UF	EPA 901.1	SMP	13	22
BDD-SWSF-070715-C	7/7/15 7:09	Pb-214	9.9	pCi/L	U	UF	EPA 901.1	SMP	7.1	11.2
BDD-SWSF-070715-C	7/7/15 7:09	Pu-238	0.041	pCi/L	LT	10F	HASL-300	SMP	0.017	0.038
BDD-SWSF-070715-C	7/7/15 7:09	Pu-238	0	pCi/g	U	Dry Weight	HASL-300	SMP	0.0028	0.0118
BDD-SWSF-070715-C	7/7/15 7:09	Pu-239/240	0.013	pCi/L	U	10F	HASL-300	SMP	0.01	0.038
BDD-SWSF-070715-C	7/7/15 7:09	Pu-239/240	0.0049	pCi/g	U	Dry Weight	HASL-300	SMP	0.0026	0.0072
BDD-SWSF-070715-C	7/7/15 7:09	Ra-226	8	pCi/L		UF	EPA 903.1	SMP	1.1	0.5
BDD-SWSF-070715-C	7/7/15 7:09	Ra-228	5.11	pCi/L	M3	UF	EPA 904.0	SMP	0.75	1.51
BDD-SWSF-070715-C	7/7/15 7:09	Sr-90	-0.027	pCi/L	U	UF	ASTM 5811	SMP	0.079	0.265
BDD-SWSF-070715-C	7/7/15 7:09	SSC	4.276	g/L		UF	D3977-97	SMP		
BDD-SWSF-070715-C	7/7/15 7:09	Th-234	10	pCi/L	U	UF	EPA 901.1	SMP	120	210
BDD-SWSF-070715-C	7/7/15 7:09	Tl-208	3.3	pCi/L	U	UF	EPA 901.1	SMP	8.3	13.7
BDD-SWSF-070715-C	7/7/15 7:09	U-234	2.9	pCi/L		10F	HASL-300	SMP	0.27	0.04
BDD-SWSF-070715-C	7/7/15 7:09	U-234	0.612	pCi/g		Dry Weight	HASL-300	SMP	0.053	0.002
BDD-SWSF-070715-C	7/7/15 7:09	U-235	0.124	pCi/L		10F	HASL-300	SMP	0.029	0.039
BDD-SWSF-070715-C	7/7/15 7:09	U-235	0.044	pCi/g		Dry Weight	HASL-300	SMP	0.0078	0.0079
BDD-SWSF-070715-C	7/7/15 7:09	U-238	2.54	pCi/L		10F	HASL-300	SMP	0.24	0.03
BDD-SWSF-070715-C	7/7/15 7:09	U-238	0.693	pCi/g		Dry Weight	HASL-300	SMP	0.059	0.008
BDD-SWSF-070715-D	7/7/15 7:39	Ac-228	24	pCi/L	U	UF	EPA 901.1	SMP	17	27
BDD-SWSF-070715-D	7/7/15 7:39	Am-241	0.015	pCi/L	U,M	UF	HASL-300	SMP	0.023	0.082
BDD-SWSF-070715-D	7/7/15 7:39	Be-7	-120	pCi/L	U	UF	EPA 901.1	SMP	280	480
BDD-SWSF-070715-D	7/7/15 7:39	Bi-212	62	pCi/L	U	UF	EPA 901.1	SMP	74	121
BDD-SWSF-070715-D	7/7/15 7:39	Bi-214	7	pCi/L	U	UF	EPA 901.1	SMP	17	29
BDD-SWSF-070715-D	7/7/15 7:39	Co-60	1.9	pCi/L	U	UF	EPA 901.1	SMP	4.6	7.7
BDD-SWSF-070715-D	7/7/15 7:39	Cs-134	-0.6	pCi/L	U	UF	EPA 901.1	SMP	5.1	8.6
BDD-SWSF-070715-D	7/7/15 7:39	Cs-137	0.3	pCi/L	U	UF	EPA 901.1	SMP	4.1	7
BDD-SWSF-070715-D	7/7/15 7:39	K-40	10	pCi/L	U	UF	EPA 901.1	SMP	140	230
BDD-SWSF-070715-D	7/7/15 7:39	Na-22	-3.6	pCi/L	U	UF	EPA 901.1	SMP	5.2	9.2
BDD-SWSF-070715-D	7/7/15 7:39	Np-237	0.029	pCi/L	U	UF	HASL-300	SMP	0.018	0.052
BDD-SWSF-070715-D	7/7/15 7:39	Pa-234m	-130	pCi/L	U	UF	EPA 901.1	SMP	670	1170
BDD-SWSF-070715-D	7/7/15 7:39	Pb-212	3	pCi/L	U	UF	EPA 901.1	SMP	14	23
BDD-SWSF-070715-D	7/7/15 7:39	Pb-214	10	pCi/L	U	UF	EPA 901.1	SMP	22	37
BDD-SWSF-070715-D	7/7/15 7:39	Pu-238	0.03	pCi/L	U	UF	HASL-300	SMP	0.014	0.034
BDD-SWSF-070715-D	7/7/15 7:39	Pu-239/240	0.036	pCi/L	U	UF	HASL-300	SMP	0.016	0.043
BDD-SWSF-070715-D	7/7/15 7:39	Ra-226	3.64	pCi/L		UF	EPA 903.1	SMP	0.53	0.33
BDD-SWSF-070715-D	7/7/15 7:39	Ra-228	5.76	pCi/L	M3	UF	EPA 904.0	SMP	0.9	2.09
BDD-SWSF-070715-D	7/7/15 7:39	Sr-90	0.05	pCi/L	U	UF	ASTM 5811	SMP	0.13	0.44
BDD-SWSF-070715-D	7/7/15 7:39	SSC	3.723	g/L		UF	D3977-97	SMP		
BDD-SWSF-070715-D	7/7/15 7:39	Th-234	10	pCi/L	U	UF	EPA 901.1	SMP	140	230
BDD-SWSF-070715-D	7/7/15 7:39	Tl-208	5.7	pCi/L	U	UF	EPA 901.1	SMP	5.2	8.3
BDD-SWSF-070715-D	7/7/15 7:39	U-234	4.33	pCi/L		UF	HASL-300	SMP	0.39	0.05
BDD-SWSF-070715-D	7/7/15 7:39	U-235	0.249	pCi/L		UF	HASL-300	SMP	0.053	0.07
BDD-SWSF-070715-D	7/7/15 7:39	U-238	4.07	pCi/L		UF	HASL-300	SMP	0.37	0.05
BDD-SWSF-070715-E	7/7/15 8:09	Ac-228	29	pCi/L	NQ	UF	EPA 901.1	SMP	16	25
BDD-SWSF-070715-E	7/7/15 8:09	Am-241	0.0078	pCi/L	U	10F	HASL-300	SMP	0.0092	0.0322

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-070715-E	7/7/15 8:09	Am-241	0.0046	pCi/g	U	Dry Weight	HASL-300	SMP	0.0046	0.0158
BDD-SWSF-070715-E	7/7/15 8:09	Be-7	290	pCi/L	U	UF	EPA 901.1	SMP	450	750
BDD-SWSF-070715-E	7/7/15 8:09	Bi-212	71	pCi/L	U	UF	EPA 901.1	SMP	68	110
BDD-SWSF-070715-E	7/7/15 8:09	Bi-214	2	pCi/L	U	UF	EPA 901.1	SMP	19	32
BDD-SWSF-070715-E	7/7/15 8:09	Co-60	0.1	pCi/L	U	UF	EPA 901.1	SMP	4.2	7.2
BDD-SWSF-070715-E	7/7/15 8:09	Cs-134	-2.7	pCi/L	U	UF	EPA 901.1	SMP	6.4	10.8
BDD-SWSF-070715-E	7/7/15 8:09	Cs-137	-1.9	pCi/L	U	UF	EPA 901.1	SMP	3.7	6.4
BDD-SWSF-070715-E	7/7/15 8:09	K-40	90	pCi/L	U	UF	EPA 901.1	SMP	110	180
BDD-SWSF-070715-E	7/7/15 8:09	Na-22	-4	pCi/L	U	UF	EPA 901.1	SMP	4.7	8.4
BDD-SWSF-070715-E	7/7/15 8:09	Np-237	-0.012	pCi/L	U	10F	HASL-300	SMP	0.012	0.058
BDD-SWSF-070715-E	7/7/15 8:09	Np-237	0.0095	pCi/g	U	Dry Weight	HASL-300	SMP	0.0071	0.0249
BDD-SWSF-070715-E	7/7/15 8:09	Pa-234m	920	pCi/L	U	UF	EPA 901.1	SMP	610	950
BDD-SWSF-070715-E	7/7/15 8:09	Pb-212	2	pCi/L	U	UF	EPA 901.1	SMP	13	21
BDD-SWSF-070715-E	7/7/15 8:09	Pb-214	-8	pCi/L	U	UF	EPA 901.1	SMP	14	23
BDD-SWSF-070715-E	7/7/15 8:09	Pu-238	0.005	pCi/L	U	10F	HASL-300	SMP	0.01	0.042
BDD-SWSF-070715-E	7/7/15 8:09	Pu-238	0.0084	pCi/g	LT	Dry Weight	HASL-300	SMP	0.0029	0.0025
BDD-SWSF-070715-E	7/7/15 8:09	Pu-239/240	0.009	pCi/L	U	10F	HASL-300	SMP	0.01	0.031
BDD-SWSF-070715-E	7/7/15 8:09	Pu-239/240	0.0168	pCi/g	LT	Dry Weight	HASL-300	SMP	0.0042	0.0025
BDD-SWSF-070715-E	7/7/15 8:09	Ra-226	6.65	pCi/L		UF	EPA 903.1	SMP	0.95	0.52
BDD-SWSF-070715-E	7/7/15 8:09	Ra-228	6.36	pCi/L	M3	UF	EPA 904.0	SMP	0.93	1.85
BDD-SWSF-070715-E	7/7/15 8:09	Sr-90	0.244	pCi/L	U	UF	ASTM 5811	SMP	0.097	0.302
BDD-SWSF-070715-E	7/7/15 8:09	SSC	4.473	g/L		UF	D3977-97	SMP		
BDD-SWSF-070715-E	7/7/15 8:09	Th-234	70	pCi/L	U	UF	EPA 901.1	SMP	120	190
BDD-SWSF-070715-E	7/7/15 8:09	Tl-208	4	pCi/L	U	UF	EPA 901.1	SMP	9.4	15.6
BDD-SWSF-070715-E	7/7/15 8:09	U-234	2.97	pCi/L		10F	HASL-300	SMP	0.27	0.04
BDD-SWSF-070715-E	7/7/15 8:09	U-234	0.717	pCi/g		Dry Weight	HASL-300	SMP	0.061	0.007
BDD-SWSF-070715-E	7/7/15 8:09	U-235	0.154	pCi/L		10F	HASL-300	SMP	0.032	0.031
BDD-SWSF-070715-E	7/7/15 8:09	U-235	0.0437	pCi/g		Dry Weight	HASL-300	SMP	0.0078	0.0097
BDD-SWSF-070715-E	7/7/15 8:09	U-238	2.84	pCi/L		10F	HASL-300	SMP	0.26	0.04
BDD-SWSF-070715-E	7/7/15 8:09	U-238	0.717	pCi/g	M3	Dry Weight	HASL-300	SMP	0.061	0.011
BDD-SWSF-070715-F	7/7/15 8:39	Ac-228	45	pCi/L	U	UF	EPA 901.1	SMP	35	56
BDD-SWSF-070715-F	7/7/15 8:39	Am-241	0.005	pCi/L	U	10F	HASL-300	SMP	0.009	0.0325
BDD-SWSF-070715-F	7/7/15 8:39	Am-241	-0.0065	pCi/g	U	Dry Weight	HASL-300	SMP	0.0035	0.0158
BDD-SWSF-070715-F	7/7/15 8:39	Be-7	-730	pCi/L	U	UF	EPA 901.1	SMP	810	1400
BDD-SWSF-070715-F	7/7/15 8:39	Bi-212	100	pCi/L	U	UF	EPA 901.1	SMP	110	190
BDD-SWSF-070715-F	7/7/15 8:39	Bi-214	-13	pCi/L	U	UF	EPA 901.1	SMP	31	53
BDD-SWSF-070715-F	7/7/15 8:39	Co-60	2.7	pCi/L	U	UF	EPA 901.1	SMP	9.8	16.5
BDD-SWSF-070715-F	7/7/15 8:39	Cs-134	-8	pCi/L	U	UF	EPA 901.1	SMP	13	22
BDD-SWSF-070715-F	7/7/15 8:39	Cs-137	2.2	pCi/L	U,M	UF	EPA 901.1	SMP	7	11.7
BDD-SWSF-070715-F	7/7/15 8:39	K-40	140	pCi/L	U	UF	EPA 901.1	SMP	240	390
BDD-SWSF-070715-F	7/7/15 8:39	Na-22	4	pCi/L	U	UF	EPA 901.1	SMP	10	17
BDD-SWSF-070715-F	7/7/15 8:39	Np-237	0	pCi/L	U	10F	HASL-300	SMP	0.01	0.042
BDD-SWSF-070715-F	7/7/15 8:39	Np-237	-0.0008	pCi/g	U	Dry Weight	HASL-300	SMP	0.0045	0.0239
BDD-SWSF-070715-F	7/7/15 8:39	Pa-234m	600	pCi/L	U	UF	EPA 901.1	SMP	1300	2100
BDD-SWSF-070715-F	7/7/15 8:39	Pb-212	-7	pCi/L	U	UF	EPA 901.1	SMP	19	32
BDD-SWSF-070715-F	7/7/15 8:39	Pb-214	-12	pCi/L	U	UF	EPA 901.1	SMP	27	45
BDD-SWSF-070715-F	7/7/15 8:39	Pu-238	0	pCi/L	U	10F	HASL-300	SMP	0.01	0.042
BDD-SWSF-070715-F	7/7/15 8:39	Pu-238	0.0099	pCi/g	LT	Dry Weight	HASL-300	SMP	0.0033	0.0066
BDD-SWSF-070715-F	7/7/15 8:39	Pu-239/240	0.005	pCi/L	U	10F	HASL-300	SMP	0.01	0.041
BDD-SWSF-070715-F	7/7/15 8:39	Pu-239/240	0.0134	pCi/g	LT	Dry Weight	HASL-300	SMP	0.0036	0.0024
BDD-SWSF-070715-F	7/7/15 8:39	Ra-226	0.08	pCi/L	U	UF	EPA 903.1	SMP	0.12	0.45
BDD-SWSF-070715-F	7/7/15 8:39	Ra-228	9.8	pCi/L	M3	UF	EPA 904.0	SMP	1.4	2.5
BDD-SWSF-070715-F	7/7/15 8:39	Sr-90	0.11	pCi/L	U	UF	ASTM 5811	SMP	0.14	0.48
BDD-SWSF-070715-F	7/7/15 8:39	Th-234	10	pCi/L	U	UF	EPA 901.1	SMP	180	310
BDD-SWSF-070715-F	7/7/15 8:39	Tl-208	15	pCi/L	NQ	UF	EPA 901.1	SMP	8.7	13.5

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-070715-F	7/7/15 8:39	U-234	4.78	pCi/L		10F	HASL-300	SMP	0.43	0.07
BDD-SWSF-070715-F	7/7/15 8:39	U-234	0.669	pCi/g		Dry Weight	HASL-300	SMP	0.056	0.008
BDD-SWSF-070715-F	7/7/15 8:39	U-235	0.181	pCi/L		10F	HASL-300	SMP	0.038	0.043
BDD-SWSF-070715-F	7/7/15 8:39	U-235	0.0414	pCi/g		Dry Weight	HASL-300	SMP	0.0071	0.0082
BDD-SWSF-070715-F	7/7/15 8:39	U-238	4.21	pCi/L		10F	HASL-300	SMP	0.38	0.04
BDD-SWSF-070715-F	7/7/15 8:39	U-238	0.663	pCi/g		Dry Weight	HASL-300	SMP	0.055	0.002
BDD-SWSF-070715-G	7/7/15 9:08	Ac-228	12	pCi/L	U	UF	EPA 901.1	SMP	30	49
BDD-SWSF-070715-G	7/7/15 9:08	Am-241	0.019	pCi/L	U	10F	HASL-300	SMP	0.01	0.033
BDD-SWSF-070715-G	7/7/15 9:08	Am-241	0.0049	pCi/g	U	Dry Weight	HASL-300	SMP	0.0049	0.017
BDD-SWSF-070715-G	7/7/15 9:08	Be-7	-30	pCi/L	U	UF	EPA 901.1	SMP	430	720
BDD-SWSF-070715-G	7/7/15 9:08	Bi-212	34	pCi/L	U	UF	EPA 901.1	SMP	64	106
BDD-SWSF-070715-G	7/7/15 9:08	Bi-214	10	pCi/L	U	UF	EPA 901.1	SMP	12	28
BDD-SWSF-070715-G	7/7/15 9:08	Co-60	-4.3	pCi/L	U	UF	EPA 901.1	SMP	4.3	7.6
BDD-SWSF-070715-G	7/7/15 9:08	Cs-134	-1	pCi/L	U	UF	EPA 901.1	SMP	6.2	10.4
BDD-SWSF-070715-G	7/7/15 9:08	Cs-137	1	pCi/L	U	UF	EPA 901.1	SMP	3.7	6.1
BDD-SWSF-070715-G	7/7/15 9:08	Gross alpha	141	pCi/L	M3	UF	EPA 900.0	DUP	13	14
BDD-SWSF-070715-G	7/7/15 9:08	Gross alpha	133	pCi/L	M3	UF	EPA 900.0	SMP	13	14
BDD-SWSF-070715-G	7/7/15 9:08	Gross beta	149	pCi/L	M3	UF	EPA 900.0	DUP	13	15
BDD-SWSF-070715-G	7/7/15 9:08	Gross beta	165	pCi/L	M3	UF	EPA 900.0	SMP	14	15
BDD-SWSF-070715-G	7/7/15 9:08	K-40	30	pCi/L	U	UF	EPA 901.1	SMP	120	200
BDD-SWSF-070715-G	7/7/15 9:08	Na-22	-2.3	pCi/L	U	UF	EPA 901.1	SMP	4.6	8
BDD-SWSF-070715-G	7/7/15 9:08	Np-237	0.012	pCi/L	U	10F	HASL-300	SMP	0.01	0.036
BDD-SWSF-070715-G	7/7/15 9:08	Np-237	-0.0041	pCi/g	U	Dry Weight	HASL-300	SMP	0.0047	0.0214
BDD-SWSF-070715-G	7/7/15 9:08	Pa-234m	360	pCi/L	U	UF	EPA 901.1	SMP	580	960
BDD-SWSF-070715-G	7/7/15 9:08	Pb-212	3	pCi/L	U	UF	EPA 901.1	SMP	16	26
BDD-SWSF-070715-G	7/7/15 9:08	Pb-214	11.6	pCi/L	NQ	UF	EPA 901.1	SMP	7.1	11.2
BDD-SWSF-070715-G	7/7/15 9:08	Pu-238	0.0034	pCi/L	U	10F	HASL-300	SMP	0.0097	0.0288
BDD-SWSF-070715-G	7/7/15 9:08	Pu-238	0.0154	pCi/g	LT	Dry Weight	HASL-300	SMP	0.004	0.0063
BDD-SWSF-070715-G	7/7/15 9:08	Pu-239/240	0.024	pCi/L	U	10F	HASL-300	SMP	0.012	0.029
BDD-SWSF-070715-G	7/7/15 9:08	Pu-239/240	0.0128	pCi/g	LT	Dry Weight	HASL-300	SMP	0.0036	0.0063
BDD-SWSF-070715-G	7/7/15 9:08	Ra-226	13.6	pCi/L		UF	EPA 903.1	SMP	1.8	0.7
BDD-SWSF-070715-G	7/7/15 9:08	Ra-228	9.2	pCi/L	M3	UF	EPA 904.0	SMP	1.3	2
BDD-SWSF-070715-G	7/7/15 9:08	Sr-90	0.32	pCi/L	U	UF	ASTM 5811	SMP	0.14	0.43
BDD-SWSF-070715-G	7/7/15 9:08	SSC	7.038	g/L		UF	D3977-97	SMP		
BDD-SWSF-070715-G	7/7/15 9:08	Th-234	90	pCi/L	U	UF	EPA 901.1	SMP	190	340
BDD-SWSF-070715-G	7/7/15 9:08	Tl-208	-1	pCi/L	U	UF	EPA 901.1	SMP	13	22
BDD-SWSF-070715-G	7/7/15 9:08	U-234	5.52	pCi/L		10F	HASL-300	SMP	0.51	0.06
BDD-SWSF-070715-G	7/7/15 9:08	U-234	0.73	pCi/g		Dry Weight	HASL-300	SMP	0.062	0.008
BDD-SWSF-070715-G	7/7/15 9:08	U-235	0.221	pCi/L		10F	HASL-300	SMP	0.046	0.022
BDD-SWSF-070715-G	7/7/15 9:08	U-235	0.0257	pCi/g	M3	Dry Weight	HASL-300	SMP	0.006	0.011
BDD-SWSF-070715-G	7/7/15 9:08	U-238	5.01	pCi/L		10F	HASL-300	SMP	0.46	0.02
BDD-SWSF-070715-G	7/7/15 9:08	U-238	0.722	pCi/g		Dry Weight	HASL-300	SMP	0.061	0.006
BDD-SWSF-070715-H	7/7/15 9:38	Ac-228	41	pCi/L	U	UF	EPA 901.1	SMP	39	76
BDD-SWSF-070715-H	7/7/15 9:38	Am-241	0.0084	pCi/L	U	10F	HASL-300	SMP	0.0097	0.0338
BDD-SWSF-070715-H	7/7/15 9:38	Am-241	-0.0003	pCi/g	U	Dry Weight	HASL-300	SMP	0.004	0.0155
BDD-SWSF-070715-H	7/7/15 9:38	Be-7	30	pCi/L	U	UF	EPA 901.1	SMP	820	1380
BDD-SWSF-070715-H	7/7/15 9:38	Bi-212	50	pCi/L	U	UF	EPA 901.1	SMP	110	190
BDD-SWSF-070715-H	7/7/15 9:38	Bi-214	-8	pCi/L	U	UF	EPA 901.1	SMP	37	61
BDD-SWSF-070715-H	7/7/15 9:38	Co-60	3.6	pCi/L	U	UF	EPA 901.1	SMP	8.4	14
BDD-SWSF-070715-H	7/7/15 9:38	Cs-134	-4	pCi/L	U	UF	EPA 901.1	SMP	8.4	14.2
BDD-SWSF-070715-H	7/7/15 9:38	Cs-137	1.7	pCi/L	U,M	UF	EPA 901.1	SMP	7.1	12
BDD-SWSF-070715-H	7/7/15 9:38	K-40	250	pCi/L	U	UF	EPA 901.1	SMP	200	320
BDD-SWSF-070715-H	7/7/15 9:38	Na-22	3.3	pCi/L	U	UF	EPA 901.1	SMP	8.4	14.1
BDD-SWSF-070715-H	7/7/15 9:38	Np-237	0.003	pCi/L	U	10F	HASL-300	SMP	0.011	0.048
BDD-SWSF-070715-H	7/7/15 9:38	Np-237	-0.0037	pCi/g	U	Dry Weight	HASL-300	SMP	0.0042	0.0194

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-070715-H	7/7/15 9:38	Pa-234m	100	pCi/L	U	UF	EPA 901.1	SMP	1200	2000
BDD-SWSF-070715-H	7/7/15 9:38	Pb-212	22	pCi/L	U	UF	EPA 901.1	SMP	23	37
BDD-SWSF-070715-H	7/7/15 9:38	Pb-214	-16	pCi/L	U	UF	EPA 901.1	SMP	27	45
BDD-SWSF-070715-H	7/7/15 9:38	Pu-238	0.012	pCi/L	U	10F	HASL-300	SMP	0.011	0.047
BDD-SWSF-070715-H	7/7/15 9:38	Pu-238	0.007	pCi/g	LT	Dry Weight	HASL-300	SMP	0.0025	0.0024
BDD-SWSF-070715-H	7/7/15 9:38	Pu-239/240	0.022	pCi/L	U	10F	HASL-300	SMP	0.012	0.035
BDD-SWSF-070715-H	7/7/15 9:38	Pu-239/240	0.0078	pCi/g	LT	Dry Weight	HASL-300	SMP	0.0029	0.0064
BDD-SWSF-070715-H	7/7/15 9:38	Ra-226	13.9	pCi/L		UF	EPA 903.1	SMP	1.8	0.5
BDD-SWSF-070715-H	7/7/15 9:38	Ra-228	15.5	pCi/L	M3	UF	EPA 904.0	SMP	2.1	3.1
BDD-SWSF-070715-H	7/7/15 9:38	Sr-90	0.23	pCi/L	U	UF	ASTM 5811	SMP	0.21	0.68
BDD-SWSF-070715-H	7/7/15 9:38	SSC	10.595	g/L		UF	D3977-97	SMP		
BDD-SWSF-070715-H	7/7/15 9:38	Th-234	30	pCi/L	U	UF	EPA 901.1	SMP	190	320
BDD-SWSF-070715-H	7/7/15 9:38	Tl-208	11	pCi/L	U	UF	EPA 901.1	SMP	20	33
BDD-SWSF-070715-H	7/7/15 9:38	U-234	8.92	pCi/L		10F	HASL-300	SMP	0.75	0.01
BDD-SWSF-070715-H	7/7/15 9:38	U-234	0.933	pCi/g		Dry Weight	HASL-300	SMP	0.076	0.006
BDD-SWSF-070715-H	7/7/15 9:38	U-235	0.509	pCi/L		10F	HASL-300	SMP	0.067	0.036
BDD-SWSF-070715-H	7/7/15 9:38	U-235	0.0497	pCi/g		Dry Weight	HASL-300	SMP	0.008	0.0097
BDD-SWSF-070715-H	7/7/15 9:38	U-238	8.67	pCi/L		10F	HASL-300	SMP	0.73	0.03
BDD-SWSF-070715-H	7/7/15 9:38	U-238	1.015	pCi/g	M3	Dry Weight	HASL-300	SMP	0.083	0.01
BDD-SWSF-070715-I	7/7/15 10:08	Ac-228	106	pCi/L	NQ	UF	EPA 901.1	SMP	65	101
BDD-SWSF-070715-I	7/7/15 10:08	Am-241	0.023	pCi/L	U	10F	HASL-300	SMP	0.011	0.032
BDD-SWSF-070715-I	7/7/15 10:08	Am-241	0.005	pCi/g	U	Dry Weight	HASL-300	SMP	0.0053	0.0186
BDD-SWSF-070715-I	7/7/15 10:08	Be-7	2500	pCi/L	U	UF	EPA 901.1	SMP	1700	2700
BDD-SWSF-070715-I	7/7/15 10:08	Bi-212	150	pCi/L	U	UF	EPA 901.1	SMP	240	400
BDD-SWSF-070715-I	7/7/15 10:08	Bi-214	16	pCi/L	U	UF	EPA 901.1	SMP	73	122
BDD-SWSF-070715-I	7/7/15 10:08	Co-60	-3	pCi/L	U	UF	EPA 901.1	SMP	18	31
BDD-SWSF-070715-I	7/7/15 10:08	Cs-134	-21	pCi/L	U	UF	EPA 901.1	SMP	17	30
BDD-SWSF-070715-I	7/7/15 10:08	Cs-137	1	pCi/L	U,M	UF	EPA 901.1	SMP	15	25
BDD-SWSF-070715-I	7/7/15 10:08	Gross alpha	416	pCi/L	M3	UF	EPA 900.0	SMP	38	38
BDD-SWSF-070715-I	7/7/15 10:08	Gross beta	479	pCi/L	M3	UF	EPA 900.0	SMP	40	24
BDD-SWSF-070715-I	7/7/15 10:08	K-40	160	pCi/L	U	UF	EPA 901.1	SMP	400	660
BDD-SWSF-070715-I	7/7/15 10:08	Na-22	-17	pCi/L	U	UF	EPA 901.1	SMP	19	33
BDD-SWSF-070715-I	7/7/15 10:08	Np-237	0.006	pCi/L	U	10F	HASL-300	SMP	0.013	0.052
BDD-SWSF-070715-I	7/7/15 10:08	Np-237	-0.0029	pCi/g	U	Dry Weight	HASL-300	SMP	0.0043	0.0182
BDD-SWSF-070715-I	7/7/15 10:08	Pa-234m	800	pCi/L	U	UF	EPA 901.1	SMP	2600	4300
BDD-SWSF-070715-I	7/7/15 10:08	Pb-212	-1	pCi/L	U	UF	EPA 901.1	SMP	49	82
BDD-SWSF-070715-I	7/7/15 10:08	Pb-214	-7	pCi/L	U	UF	EPA 901.1	SMP	57	94
BDD-SWSF-070715-I	7/7/15 10:08	Pu-238	0.017	pCi/L	U	10F	HASL-300	SMP	0.011	0.034
BDD-SWSF-070715-I	7/7/15 10:08	Pu-238	0.0093	pCi/g	LT	Dry Weight	HASL-300	SMP	0.0033	0.0069
BDD-SWSF-070715-I	7/7/15 10:08	Pu-239/240	0	pCi/L	U	10F	HASL-300	SMP	0.0094	0.0138
BDD-SWSF-070715-I	7/7/15 10:08	Pu-239/240	0.0121	pCi/g	LT	Dry Weight	HASL-300	SMP	0.0035	0.0025
BDD-SWSF-070715-I	7/7/15 10:08	Ra-226	21.3	pCi/L		UF	EPA 903.1	SMP	2.8	0.5
BDD-SWSF-070715-I	7/7/15 10:08	Ra-228	21.3	pCi/L	M3	UF	EPA 904.0	SMP	3.2	6.6
BDD-SWSF-070715-I	7/7/15 10:08	Sr-90	0.25	pCi/L	U,M	UF	ASTM 5811	SMP	0.42	1.38
BDD-SWSF-070715-I	7/7/15 10:08	SSC	14.685	g/L		UF	D3977-97	SMP		
BDD-SWSF-070715-I	7/7/15 10:08	SSC	16.932	g/L		UF	D3977-97	DUP		
BDD-SWSF-070715-I	7/7/15 10:08	Th-234	150	pCi/L	U	UF	EPA 901.1	SMP	370	610
BDD-SWSF-070715-I	7/7/15 10:08	Tl-208	-6	pCi/L	U	UF	EPA 901.1	SMP	39	65
BDD-SWSF-070715-I	7/7/15 10:08	U-234	13	pCi/L		10F	HASL-300	SMP	1.1	0
BDD-SWSF-070715-I	7/7/15 10:08	U-234	1.053	pCi/g		Dry Weight	HASL-300	SMP	0.087	0.003
BDD-SWSF-070715-I	7/7/15 10:08	U-235	0.617	pCi/L		10F	HASL-300	SMP	0.079	0.04
BDD-SWSF-070715-I	7/7/15 10:08	U-235	0.0583	pCi/g	M3	Dry Weight	HASL-300	SMP	0.0094	0.0102
BDD-SWSF-070715-I	7/7/15 10:08	U-238	12.6	pCi/L		10F	HASL-300	SMP	1.1	0
BDD-SWSF-070715-I	7/7/15 10:08	U-238	1.115	pCi/g		Dry Weight	HASL-300	SMP	0.092	0.003
BDD-SWSF-070715-J	7/7/15 11:09	Ac-228	26	pCi/L	U	UF	EPA 901.1	SMP	43	71

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-070715-J	7/7/15 11:09	Am-241	-0.037	pCi/L	U,M	UF	HASL-300	SMP	0.057	0.233
BDD-SWSF-070715-J	7/7/15 11:09	Be-7	-200	pCi/L	U	UF	EPA 901.1	SMP	360	620
BDD-SWSF-070715-J	7/7/15 11:09	Bi-212	47	pCi/L	U	UF	EPA 901.1	SMP	83	137
BDD-SWSF-070715-J	7/7/15 11:09	Bi-214	32	pCi/L	U	UF	EPA 901.1	SMP	29	47
BDD-SWSF-070715-J	7/7/15 11:09	Co-60	1.5	pCi/L	U	UF	EPA 901.1	SMP	5.9	10
BDD-SWSF-070715-J	7/7/15 11:09	Cs-134	-6.6	pCi/L	U	UF	EPA 901.1	SMP	6.5	11.1
BDD-SWSF-070715-J	7/7/15 11:09	Cs-137	-0.8	pCi/L	U	UF	EPA 901.1	SMP	5.5	9.4
BDD-SWSF-070715-J	7/7/15 11:09	K-40	20	pCi/L	U	UF	EPA 901.1	SMP	140	240
BDD-SWSF-070715-J	7/7/15 11:09	Na-22	1.7	pCi/L	U	UF	EPA 901.1	SMP	5.9	10
BDD-SWSF-070715-J	7/7/15 11:09	Pa-234m	780	pCi/L	U	UF	EPA 901.1	SMP	780	1270
BDD-SWSF-070715-J	7/7/15 11:09	Pb-212	11	pCi/L	U	UF	EPA 901.1	SMP	19	31
BDD-SWSF-070715-J	7/7/15 11:09	Pb-214	31	pCi/L	U	UF	EPA 901.1	SMP	22	35
BDD-SWSF-070715-J	7/7/15 11:09	Pu-238	0.156	pCi/L		UF	HASL-300	SMP	0.048	0.038
BDD-SWSF-070715-J	7/7/15 11:09	Pu-239/240	0.113	pCi/L		UF	HASL-300	SMP	0.041	0.038
BDD-SWSF-070715-J	7/7/15 11:09	Th-234	-60	pCi/L	U	UF	EPA 901.1	SMP	240	400
BDD-SWSF-070715-J	7/7/15 11:09	Tl-208	1	pCi/L	U	UF	EPA 901.1	SMP	16	26
BDD-SWSF-070715-J	7/7/15 11:09	U-234	22.5	pCi/L	M3	UF	HASL-300	SMP	1.8	0.1
BDD-SWSF-070715-J	7/7/15 11:09	U-235	0.89	pCi/L		UF	HASL-300	SMP	0.13	0.04
BDD-SWSF-070715-J	7/7/15 11:09	U-238	22.6	pCi/L	M3	UF	HASL-300	SMP	1.8	0.1
BDD-SWBF-070715-L	7/7/15 22:30	Ac-228	19	pCi/L	U	UF	EPA 901.1	SMP	14	22
BDD-SWBF-070715-L	7/7/15 22:30	Am-241	0	pCi/L	U,M	UF	HASL-300	SMP	0.013	0.051
BDD-SWBF-070715-L	7/7/15 22:30	Be-7	110	pCi/L	U	UF	EPA 901.1	SMP	230	390
BDD-SWBF-070715-L	7/7/15 22:30	Bi-212	27	pCi/L	U	UF	EPA 901.1	SMP	53	89
BDD-SWBF-070715-L	7/7/15 22:30	Bi-214	9	pCi/L	U	UF	EPA 901.1	SMP	13	22
BDD-SWBF-070715-L	7/7/15 22:30	Co-60	-1.2	pCi/L	U	UF	EPA 901.1	SMP	4.3	7.5
BDD-SWBF-070715-L	7/7/15 22:30	Cs-134	-5.5	pCi/L	U	UF	EPA 901.1	SMP	3.9	7
BDD-SWBF-070715-L	7/7/15 22:30	Cs-137	-1.4	pCi/L	U	UF	EPA 901.1	SMP	3.4	6
BDD-SWBF-070715-L	7/7/15 22:30	Gross alpha	34.4	pCi/L	M3	UF	EPA 900.0	SMP	3.5	4.6
BDD-SWBF-070715-L	7/7/15 22:30	Gross beta	51.7	pCi/L	M3	UF	EPA 900.0	SMP	4.5	4.5
BDD-SWBF-070715-L	7/7/15 22:30	K-40	55	pCi/L	U	UF	EPA 901.1	SMP	85	140
BDD-SWBF-070715-L	7/7/15 22:30	Na-22	2.9	pCi/L	U	UF	EPA 901.1	SMP	4.3	7.1
BDD-SWBF-070715-L	7/7/15 22:30	Np-237	-0.013	pCi/L	U	UF	HASL-300	SMP	0.013	0.071
BDD-SWBF-070715-L	7/7/15 22:30	Pa-234m	-50	pCi/L	U	UF	EPA 901.1	SMP	560	970
BDD-SWBF-070715-L	7/7/15 22:30	Pb-212	-1.8	pCi/L	U	UF	EPA 901.1	SMP	9.5	15.9
BDD-SWBF-070715-L	7/7/15 22:30	Pb-214	-1	pCi/L	U	UF	EPA 901.1	SMP	11	18
BDD-SWBF-070715-L	7/7/15 22:30	Pu-238	0.0077	pCi/L	U	UF	HASL-300	SMP	0.0081	0.0248
BDD-SWBF-070715-L	7/7/15 22:30	Pu-239/240	0.047	pCi/L	LT	UF	HASL-300	SMP	0.014	0.025
BDD-SWBF-070715-L	7/7/15 22:30	Ra-226	18.6	pCi/L	M3	UF	EPA 903.1	SMP	2.7	1.7
BDD-SWBF-070715-L	7/7/15 22:30	Ra-228	2.78	pCi/L		UF	EPA 904.0	SMP	0.43	0.95
BDD-SWBF-070715-L	7/7/15 22:30	Sr-90	0.1	pCi/L	U	UF	ASTM 5811	SMP	0.095	0.31
BDD-SWBF-070715-L	7/7/15 22:30	SSC	1.703	g/L		UF	D3977-97	SMP		
BDD-SWBF-070715-L	7/7/15 22:30	Th-234	6	pCi/L	U	UF	EPA 901.1	SMP	85	141
BDD-SWBF-070715-L	7/7/15 22:30	Tl-208	4.6	pCi/L	U	UF	EPA 901.1	SMP	4	6.4
BDD-SWBF-070715-L	7/7/15 22:30	U-234	2.45	pCi/L		UF	HASL-300	SMP	0.22	0.04
BDD-SWBF-070715-L	7/7/15 22:30	U-235	0.154	pCi/L		UF	HASL-300	SMP	0.032	0.034
BDD-SWBF-070715-L	7/7/15 22:30	U-238	2.27	pCi/L		UF	HASL-300	SMP	0.21	0.04
BDD-SWBF-070715-M	7/7/15 23:00	Ac-228	19	pCi/L	U	UF	EPA 901.1	SMP	20	33
BDD-SWBF-070715-M	7/7/15 23:00	Am-241	0.002	pCi/L	U	UF	HASL-300	SMP	0.01	0.039
BDD-SWBF-070715-M	7/7/15 23:00	Be-7	-200	pCi/L	U	UF	EPA 901.1	SMP	1100	2000
BDD-SWBF-070715-M	7/7/15 23:00	Bi-212	45	pCi/L	U	UF	EPA 901.1	SMP	91	152
BDD-SWBF-070715-M	7/7/15 23:00	Bi-214	26	pCi/L	NQ	UF	EPA 901.1	SMP	13	19
BDD-SWBF-070715-M	7/7/15 23:00	Co-60	0.7	pCi/L	U	UF	EPA 901.1	SMP	6.2	10.9
BDD-SWBF-070715-M	7/7/15 23:00	Cs-134	-3.7	pCi/L	U	UF	EPA 901.1	SMP	7	12.3
BDD-SWBF-070715-M	7/7/15 23:00	Cs-137	-2.1	pCi/L	U	UF	EPA 901.1	SMP	5.4	9.6
BDD-SWBF-070715-M	7/7/15 23:00	K-40	149	pCi/L	NQ	UF	EPA 901.1	SMP	70	98

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWBF-070715-M	7/7/15 23:00	Na-22	1.2	pCi/L	U	UF	EPA 901.1	SMP	5.9	10.3
BDD-SWBF-070715-M	7/7/15 23:00	Np-237	-0.0038	pCi/L	U	UF	HASL-300	SMP	0.0098	0.0355
BDD-SWBF-070715-M	7/7/15 23:00	Pa-234m	450	pCi/L	U	UF	EPA 901.1	SMP	860	1450
BDD-SWBF-070715-M	7/7/15 23:00	Pb-212	22	pCi/L	NQ	UF	EPA 901.1	SMP	12	18
BDD-SWBF-070715-M	7/7/15 23:00	Pb-214	12	pCi/L	U	UF	EPA 901.1	SMP	14	23
BDD-SWBF-070715-M	7/7/15 23:00	Pu-238	0.007	pCi/L	U	UF	HASL-300	SMP	0.0072	0.0287
BDD-SWBF-070715-M	7/7/15 23:00	Pu-239/240	0.0255	pCi/L	LT	UF	HASL-300	SMP	0.0092	0.0086
BDD-SWBF-070715-M	7/7/15 23:00	Ra-226	2	pCi/L		UF	EPA 903.1	SMP	0.29	0.15
BDD-SWBF-070715-M	7/7/15 23:00	Ra-228	1.96	pCi/L		UF	EPA 904.0	SMP	0.32	0.75
BDD-SWBF-070715-M	7/7/15 23:00	Sr-90	0.21	pCi/L	U	UF	ASTM 5811	SMP	0.12	0.49
BDD-SWBF-070715-M	7/7/15 23:00	SSC	1.751	g/L		UF	D3977-97	SMP		
BDD-SWBF-070715-M	7/7/15 23:00	Th-234	118	pCi/L	U	UF	EPA 901.1	SMP	95	152
BDD-SWBF-070715-M	7/7/15 23:00	Tl-208	9.6	pCi/L	U	UF	EPA 901.1	SMP	7.3	11.4
BDD-SWBF-070715-M	7/7/15 23:00	U-234	1.82	pCi/L		UF	HASL-300	SMP	0.17	0.02
BDD-SWBF-070715-M	7/7/15 23:00	U-235	0.076	pCi/L	LT	UF	HASL-300	SMP	0.022	0.035
BDD-SWBF-070715-M	7/7/15 23:00	U-238	1.68	pCi/L		UF	HASL-300	SMP	0.16	0.03
BDD-SWBF-070715-N	7/7/15 23:30	Ac-228	13	pCi/L	U	UF	EPA 901.1	SMP	27	45
BDD-SWBF-070715-N	7/7/15 23:30	Am-241	0.0015	pCi/L	U	UF	HASL-300	SMP	0.0086	0.0326
BDD-SWBF-070715-N	7/7/15 23:30	Be-7	1000	pCi/L	U	UF	EPA 901.1	SMP	1000	1700
BDD-SWBF-070715-N	7/7/15 23:30	Bi-212	36	pCi/L	U	UF	EPA 901.1	SMP	97	164
BDD-SWBF-070715-N	7/7/15 23:30	Bi-214	14	pCi/L	U	UF	EPA 901.1	SMP	19	31
BDD-SWBF-070715-N	7/7/15 23:30	Co-60	1.8	pCi/L	U	UF	EPA 901.1	SMP	6.1	10.5
BDD-SWBF-070715-N	7/7/15 23:30	Cs-134	0.2	pCi/L	U	UF	EPA 901.1	SMP	8.7	14.7
BDD-SWBF-070715-N	7/7/15 23:30	Cs-137	-2.1	pCi/L	U	UF	EPA 901.1	SMP	5	9.1
BDD-SWBF-070715-N	7/7/15 23:30	K-40	-55	pCi/L	U	UF	EPA 901.1	SMP	95	169
BDD-SWBF-070715-N	7/7/15 23:30	Na-22	-2.3	pCi/L	U	UF	EPA 901.1	SMP	6.1	11.4
BDD-SWBF-070715-N	7/7/15 23:30	Np-237	0	pCi/L	U	UF	HASL-300	SMP	0.011	0.046
BDD-SWBF-070715-N	7/7/15 23:30	Pa-234m	80	pCi/L	U	UF	EPA 901.1	SMP	790	1390
BDD-SWBF-070715-N	7/7/15 23:30	Pb-212	0	pCi/L	U	UF	EPA 901.1	SMP	12	20
BDD-SWBF-070715-N	7/7/15 23:30	Pb-214	7	pCi/L	U	UF	EPA 901.1	SMP	15	25
BDD-SWBF-070715-N	7/7/15 23:30	Pu-238	0.0054	pCi/L	U	UF	HASL-300	SMP	0.0061	0.0236
BDD-SWBF-070715-N	7/7/15 23:30	Pu-239/240	0.029	pCi/L	LT	UF	HASL-300	SMP	0.011	0.023
BDD-SWBF-070715-N	7/7/15 23:30	Ra-226	1.66	pCi/L		UF	EPA 903.1	SMP	0.24	0.09
BDD-SWBF-070715-N	7/7/15 23:30	Ra-228	1.72	pCi/L		UF	EPA 904.0	SMP	0.27	0.6
BDD-SWBF-070715-N	7/7/15 23:30	Sr-90	-0.03	pCi/L	U	UF	ASTM 5811	SMP	0.13	0.54
BDD-SWBF-070715-N	7/7/15 23:30	SSC	1.488	g/L		UF	D3977-97	SMP		
BDD-SWBF-070715-N	7/7/15 23:30	Th-234	100	pCi/L	U	UF	EPA 901.1	SMP	120	190
BDD-SWBF-070715-N	7/7/15 23:30	Tl-208	2	pCi/L	U	UF	EPA 901.1	SMP	7.6	13
BDD-SWBF-070715-N	7/7/15 23:30	U-234	2.3	pCi/L		UF	HASL-300	SMP	0.22	0.03
BDD-SWBF-070715-N	7/7/15 23:30	U-235	0.064	pCi/L	LT	UF	HASL-300	SMP	0.021	0.041
BDD-SWBF-070715-N	7/7/15 23:30	U-238	1.82	pCi/L		UF	HASL-300	SMP	0.18	0.03
BDD-SWBF-070715-O	7/8/15 0:00	SSC	1.378	g/L		UF	D3977-97	SMP		
BDD-SWBF-070715-P	7/8/15 0:30	SSC	1.240	g/L		UF	D3977-97	SMP		
BDD-SWBF-070715-Q	7/8/15 1:00	SSC	1.156	g/L		UF	D3977-97	SMP		
BDD-SWBF-070715-R	7/8/15 1:29	SSC	1.077	g/L		UF	D3977-97	SMP		
BDD-SWBF-070715-S	7/8/15 1:59	SSC	1.113	g/L		UF	D3977-97	SMP		
BDD-SWBF-070815-T	7/8/15 2:29	Ac-228	1	pCi/L	U	UF	EPA 901.1	SMP	31	54
BDD-SWBF-070815-T	7/8/15 2:29	Am-241	0.008	pCi/L	U	UF	HASL-300	SMP	0.011	0.041
BDD-SWBF-070815-T	7/8/15 2:29	Be-7	-470	pCi/L	U	UF	EPA 901.1	SMP	640	1160
BDD-SWBF-070815-T	7/8/15 2:29	Bi-212	-38	pCi/L	U	UF	EPA 901.1	SMP	88	159
BDD-SWBF-070815-T	7/8/15 2:29	Bi-214	16	pCi/L	U	UF	EPA 901.1	SMP	18	29
BDD-SWBF-070815-T	7/8/15 2:29	Co-60	-0.1	pCi/L	U	UF	EPA 901.1	SMP	5.7	10.3
BDD-SWBF-070815-T	7/8/15 2:29	Cs-134	-2.6	pCi/L	U	UF	EPA 901.1	SMP	6.2	11
BDD-SWBF-070815-T	7/8/15 2:29	Cs-137	1	pCi/L	U	UF	EPA 901.1	SMP	4.7	8.2
BDD-SWBF-070815-T	7/8/15 2:29	Gross alpha	16.5	pCi/L		UF	EPA 900.0	SMP	1.8	2.8

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWBF-070815-T	7/8/15 2:29	Gross beta	28.9	pCi/L		UF	EPA 900.0	SMP	2.7	3.6
BDD-SWBF-070815-T	7/8/15 2:29	K-40	-20	pCi/L	U	UF	EPA 901.1	SMP	110	190
BDD-SWBF-070815-T	7/8/15 2:29	Na-22	-6.4	pCi/L	U	UF	EPA 901.1	SMP	6.7	12.9
BDD-SWBF-070815-T	7/8/15 2:29	Np-237	0.003	pCi/L	U	UF	HASL-300	SMP	0.011	0.049
BDD-SWBF-070815-T	7/8/15 2:29	Pa-234m	-280	pCi/L	U	UF	EPA 901.1	SMP	830	1510
BDD-SWBF-070815-T	7/8/15 2:29	Pb-212	11	pCi/L	U	UF	EPA 901.1	SMP	10	16
BDD-SWBF-070815-T	7/8/15 2:29	Pb-214	15	pCi/L	U	UF	EPA 901.1	SMP	13	25
BDD-SWBF-070815-T	7/8/15 2:29	Pu-238	0.0118	pCi/L	U	UF	HASL-300	SMP	0.0065	0.0194
BDD-SWBF-070815-T	7/8/15 2:29	Pu-239/240	0.0155	pCi/L	LT	UF	HASL-300	SMP	0.006	0.006
BDD-SWBF-070815-T	7/8/15 2:29	Ra-226	2.08	pCi/L		UF	EPA 903.1	SMP	0.32	0.24
BDD-SWBF-070815-T	7/8/15 2:29	Ra-228	1.52	pCi/L		UF	EPA 904.0	SMP	0.28	0.79
BDD-SWBF-070815-T	7/8/15 2:29	Sr-90	0.13	pCi/L	U	UF	ASTM 5811	SMP	0.079	0.256
BDD-SWBF-070815-T	7/8/15 2:29	SSC	1.540	g/L		UF	D3977-97	SMP		
BDD-SWBF-070815-T	7/8/15 2:29	Th-234	-30	pCi/L	U	UF	EPA 901.1	SMP	97	166
BDD-SWBF-070815-T	7/8/15 2:29	Tl-208	2.5	pCi/L	U	UF	EPA 901.1	SMP	9	15.2
BDD-SWBF-070815-T	7/8/15 2:29	U-234	2.01	pCi/L		UF	HASL-300	SMP	0.18	0.03
BDD-SWBF-070815-T	7/8/15 2:29	U-235	0.118	pCi/L		UF	HASL-300	SMP	0.022	0.009
BDD-SWBF-070815-T	7/8/15 2:29	U-238	2.04	pCi/L		UF	HASL-300	SMP	0.18	0.02
BDD-SWBF-070915-A	7/9/15 13:00	Ac-228	23	pCi/L	U	UF	EPA 901.1	SMP	21	34
BDD-SWBF-070915-A	7/9/15 13:00	Am-241	-0.0134	pCi/L	U	UF	HASL-300	SMP	0.0075	0.0342
BDD-SWBF-070915-A	7/9/15 13:00	Be-7	-270	pCi/L	U	UF	EPA 901.1	SMP	570	1000
BDD-SWBF-070915-A	7/9/15 13:00	Bi-212	-27	pCi/L	U	UF	EPA 901.1	SMP	87	152
BDD-SWBF-070915-A	7/9/15 13:00	Bi-214	-6	pCi/L	U	UF	EPA 901.1	SMP	18	30
BDD-SWBF-070915-A	7/9/15 13:00	Co-60	4	pCi/L	U	UF	EPA 901.1	SMP	7.5	12.5
BDD-SWBF-070915-A	7/9/15 13:00	Cs-134	-2.6	pCi/L	U	UF	EPA 901.1	SMP	9.6	16.4
BDD-SWBF-070915-A	7/9/15 13:00	Cs-137	0.6	pCi/L	U	UF	EPA 901.1	SMP	5	8.5
BDD-SWBF-070915-A	7/9/15 13:00	Gross alpha	17.1	pCi/L		UF	EPA 900.0	SMP	1.7	2.2
BDD-SWBF-070915-A	7/9/15 13:00	Gross beta	27.2	pCi/L		UF	EPA 900.0	SMP	2.4	2.7
BDD-SWBF-070915-A	7/9/15 13:00	K-40	10	pCi/L	U	UF	EPA 901.1	SMP	120	210
BDD-SWBF-070915-A	7/9/15 13:00	Na-22	-3.6	pCi/L	U	UF	EPA 901.1	SMP	7.3	13.1
BDD-SWBF-070915-A	7/9/15 13:00	Np-237	-0.008	pCi/L	U	UF	HASL-300	SMP	0.01	0.045
BDD-SWBF-070915-A	7/9/15 13:00	Pa-234m	780	pCi/L	U	UF	EPA 901.1	SMP	960	1570
BDD-SWBF-070915-A	7/9/15 13:00	Pb-212	9.5	pCi/L	U	UF	EPA 901.1	SMP	8.1	13
BDD-SWBF-070915-A	7/9/15 13:00	Pb-214	2.1	pCi/L	U	UF	EPA 901.1	SMP	9.4	15.9
BDD-SWBF-070915-A	7/9/15 13:00	Pu-238	0.0081	pCi/L	U	UF	HASL-300	SMP	0.007	0.0248
BDD-SWBF-070915-A	7/9/15 13:00	Pu-239/240	0.0205	pCi/L	LT	UF	HASL-300	SMP	0.0079	0.0192
BDD-SWBF-070915-A	7/9/15 13:00	Ra-226	1.02	pCi/L		UF	EPA 903.1	SMP	0.18	0.23
BDD-SWBF-070915-A	7/9/15 13:00	Ra-228	1.66	pCi/L		UF	EPA 904.0	SMP	0.3	0.82
BDD-SWBF-070915-A	7/9/15 13:00	Sr-90	0.117	pCi/L	U	UF	ASTM 5811	SMP	0.062	0.198
BDD-SWBF-070915-A	7/9/15 13:00	SSC	0.976	g/L		UF	D3977-97	SMP		
BDD-SWBF-070915-A	7/9/15 13:00	Th-234	-70	pCi/L	U	UF	EPA 901.1	SMP	100	170
BDD-SWBF-070915-A	7/9/15 13:00	Tl-208	0.9	pCi/L	U	UF	EPA 901.1	SMP	8.5	14.3
BDD-SWBF-070915-A	7/9/15 13:00	U-234	1.63	pCi/L		UF	HASL-300	SMP	0.15	0.03
BDD-SWBF-070915-A	7/9/15 13:00	U-235	0.079	pCi/L	LT	UF	HASL-300	SMP	0.019	0.028
BDD-SWBF-070915-A	7/9/15 13:00	U-238	1.43	pCi/L		UF	HASL-300	SMP	0.13	0.03
BDD-SWSF-072015-H	7/20/15 19:48	Ac-228	5	pCi/L	U	UF	EPA 901.1	SMP	29	49
BDD-SWSF-072015-H	7/20/15 19:48	Am-241	-0.0091	pCi/L	U	UF	HASL-300	SMP	0.0097	0.0408
BDD-SWSF-072015-H	7/20/15 19:48	Be-7	-40	pCi/L	U	UF	EPA 901.1	SMP	190	330
BDD-SWSF-072015-H	7/20/15 19:48	Bi-212	28	pCi/L	U	UF	EPA 901.1	SMP	66	111
BDD-SWSF-072015-H	7/20/15 19:48	Bi-214	7	pCi/L	U	UF	EPA 901.1	SMP	14	23
BDD-SWSF-072015-H	7/20/15 19:48	Co-60	2	pCi/L	U	UF	EPA 901.1	SMP	4.3	7.3
BDD-SWSF-072015-H	7/20/15 19:48	Cs-134	-0.1	pCi/L	U	UF	EPA 901.1	SMP	4.2	7.2
BDD-SWSF-072015-H	7/20/15 19:48	Cs-137	0.1	pCi/L	U	UF	EPA 901.1	SMP	3.7	6.4
BDD-SWSF-072015-H	7/20/15 19:48	K-40	22	pCi/L	U	UF	EPA 901.1	SMP	92	154
BDD-SWSF-072015-H	7/20/15 19:48	Na-22	2.9	pCi/L	U	UF	EPA 901.1	SMP	4.8	8.1

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-072015-H	7/20/15 19:48	Pa-234m	380	pCi/L	U	UF	EPA 901.1	SMP	700	1170
BDD-SWSF-072015-H	7/20/15 19:48	Pb-212	1.5	pCi/L	U	UF	EPA 901.1	SMP	9.5	15.9
BDD-SWSF-072015-H	7/20/15 19:48	Pb-214	3	pCi/L	U	UF	EPA 901.1	SMP	13	21
BDD-SWSF-072015-H	7/20/15 19:48	Pu-238	0.027	pCi/L	U	UF	HASL-300	SMP	0.014	0.042
BDD-SWSF-072015-H	7/20/15 19:48	Pu-239/240	0.007	pCi/L	U	UF	HASL-300	SMP	0.0079	0.0304
BDD-SWSF-072015-H	7/20/15 19:48	SSC	1.299	g/L		UF	D3977-97	SMP		
BDD-SWSF-072015-H	7/20/15 19:48	Th-234	27	pCi/L	U	UF	EPA 901.1	SMP	56	93
BDD-SWSF-072015-H	7/20/15 19:48	Tl-208	6.1	pCi/L	U	UF	EPA 901.1	SMP	4.5	7
BDD-SWSF-072015-H	7/20/15 19:48	U-234	1.84	pCi/L		UF	HASL-300	SMP	0.17	0.03
BDD-SWSF-072015-H	7/20/15 19:48	U-235	0.098	pCi/L	LT	UF	HASL-300	SMP	0.023	0.013
BDD-SWSF-072015-H	7/20/15 19:48	U-238	1.51	pCi/L		UF	HASL-300	SMP	0.14	0.03
BDD-SWSF-072015-I	7/20/15 20:48	Ac-228	-2	pCi/L	U	UF	EPA 901.1	SMP	32	55
BDD-SWSF-072015-I	7/20/15 20:48	Am-241	-0.019	pCi/L	U,M	UF	HASL-300	SMP	0.017	0.07
BDD-SWSF-072015-I	7/20/15 20:48	Be-7	-50	pCi/L	U	UF	EPA 901.1	SMP	250	430
BDD-SWSF-072015-I	7/20/15 20:48	Bi-212	30	pCi/L	U	UF	EPA 901.1	SMP	70	117
BDD-SWSF-072015-I	7/20/15 20:48	Bi-214	17	pCi/L	U	UF	EPA 901.1	SMP	14	27
BDD-SWSF-072015-I	7/20/15 20:48	Co-60	3.6	pCi/L	U	UF	EPA 901.1	SMP	5.2	8.7
BDD-SWSF-072015-I	7/20/15 20:48	Cs-134	3.7	pCi/L	U	UF	EPA 901.1	SMP	6.8	11.1
BDD-SWSF-072015-I	7/20/15 20:48	Cs-137	1.1	pCi/L	U	UF	EPA 901.1	SMP	4.4	7.5
BDD-SWSF-072015-I	7/20/15 20:48	K-40	51	pCi/L	U	UF	EPA 901.1	SMP	98	163
BDD-SWSF-072015-I	7/20/15 20:48	Na-22	-2.9	pCi/L	U	UF	EPA 901.1	SMP	5.6	10
BDD-SWSF-072015-I	7/20/15 20:48	Pa-234m	460	pCi/L	U	UF	EPA 901.1	SMP	730	1220
BDD-SWSF-072015-I	7/20/15 20:48	Pb-212	-3	pCi/L	U	UF	EPA 901.1	SMP	11	19
BDD-SWSF-072015-I	7/20/15 20:48	Pb-214	2	pCi/L	U	UF	EPA 901.1	SMP	14	23
BDD-SWSF-072015-I	7/20/15 20:48	Pu-238	-0.001	pCi/L	U	UF	HASL-300	SMP	0.012	0.048
BDD-SWSF-072015-I	7/20/15 20:48	Pu-239/240	0.012	pCi/L	U	UF	HASL-300	SMP	0.012	0.016
BDD-SWSF-072015-I	7/20/15 20:48	SSC	2.886	g/L		UF	D3977-97	SMP		
BDD-SWSF-072015-I	7/20/15 20:48	Th-234	-100	pCi/L	U	UF	EPA 901.1	SMP	100	170
BDD-SWSF-072015-I	7/20/15 20:48	Tl-208	4.4	pCi/L	U	UF	EPA 901.1	SMP	8.6	14.9
BDD-SWSF-072015-I	7/20/15 20:48	U-234	3.13	pCi/L		UF	HASL-300	SMP	0.28	0.05
BDD-SWSF-072015-I	7/20/15 20:48	U-235	0.061	pCi/L	LT	UF	HASL-300	SMP	0.022	0.048
BDD-SWSF-072015-I	7/20/15 20:48	U-238	2.94	pCi/L		UF	HASL-300	SMP	0.26	0.03
BDD-SWSF-072015-A	7/20/15 21:18	Ac-228	-1	pCi/L	U	UF	EPA 901.1	SMP	22	38
BDD-SWSF-072015-A	7/20/15 21:18	Am-241	0.0053	pCi/L	U	UF	HASL-300	SMP	0.0096	0.0349
BDD-SWSF-072015-A	7/20/15 21:18	Be-7	130	pCi/L	U	UF	EPA 901.1	SMP	330	560
BDD-SWSF-072015-A	7/20/15 21:18	Bi-212	7	pCi/L	U	UF	EPA 901.1	SMP	56	96
BDD-SWSF-072015-A	7/20/15 21:18	Bi-214	-4	pCi/L	U	UF	EPA 901.1	SMP	10	18
BDD-SWSF-072015-A	7/20/15 21:18	Co-60	1.3	pCi/L	U	UF	EPA 901.1	SMP	3.7	6.3
BDD-SWSF-072015-A	7/20/15 21:18	Cs-134	1.8	pCi/L	U	UF	EPA 901.1	SMP	4.2	7.1
BDD-SWSF-072015-A	7/20/15 21:18	Cs-137	-2.8	pCi/L	U	UF	EPA 901.1	SMP	3.2	5.7
BDD-SWSF-072015-A	7/20/15 21:18	K-40	-27	pCi/L	U	UF	EPA 901.1	SMP	85	145
BDD-SWSF-072015-A	7/20/15 21:18	Na-22	1.5	pCi/L	U	UF	EPA 901.1	SMP	3.9	6.5
BDD-SWSF-072015-A	7/20/15 21:18	Np-237	-0.0004	pCi/L	U	UF	HASL-300	SMP	0.0093	0.0379
BDD-SWSF-072015-A	7/20/15 21:18	Pa-234m	-140	pCi/L	U	UF	EPA 901.1	SMP	540	950
BDD-SWSF-072015-A	7/20/15 21:18	Pb-212	-4	pCi/L	U	UF	EPA 901.1	SMP	11	19
BDD-SWSF-072015-A	7/20/15 21:18	Pb-214	13.1	pCi/L	NQ	UF	EPA 901.1	SMP	6.7	10.2
BDD-SWSF-072015-A	7/20/15 21:18	Pu-238	0.0042	pCi/L	U	UF	HASL-300	SMP	0.0073	0.0288
BDD-SWSF-072015-A	7/20/15 21:18	Pu-239/240	0.0246	pCi/L	LT	UF	HASL-300	SMP	0.0093	0.0237
BDD-SWSF-072015-A	7/20/15 21:18	Ra-226	1.42	pCi/L		UF	EPA 903.1	SMP	0.23	0.19
BDD-SWSF-072015-A	7/20/15 21:18	Ra-228	1.96	pCi/L		UF	EPA 904.0	SMP	0.33	0.82
BDD-SWSF-072015-A	7/20/15 21:18	Sr-90	0.053	pCi/L	U	UF	ASTM 5811	SMP	0.074	0.244
BDD-SWSF-072015-A	7/20/15 21:18	SSC	1.102	g/L		UF	D3977-97	SMP		
BDD-SWSF-072015-A	7/20/15 21:18	Th-234	60	pCi/L	U	UF	EPA 901.1	SMP	150	260
BDD-SWSF-072015-A	7/20/15 21:18	Tl-208	-1.7	pCi/L	U	UF	EPA 901.1	SMP	8.5	14.3
BDD-SWSF-072015-A	7/20/15 21:18	U-234	1.72	pCi/L		UF	HASL-300	SMP	0.15	0.02

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-072015-A	7/20/15 21:18	U-235	0.057	pCi/L	LT	UF	HASL-300	SMP	0.015	0.022
BDD-SWSF-072015-A	7/20/15 21:18	U-238	1.7	pCi/L		UF	HASL-300	SMP	0.15	0.03
BDD-SWSF-072015-B	7/20/15 21:48	Ac-228	10	pCi/L	U	UF	EPA 901.1	SMP	26	44
BDD-SWSF-072015-B	7/20/15 21:48	Am-241	0.018	pCi/L	U,M	UF	HASL-300	SMP	0.015	0.05
BDD-SWSF-072015-B	7/20/15 21:48	Be-7	20	pCi/L	U	UF	EPA 901.1	SMP	390	670
BDD-SWSF-072015-B	7/20/15 21:48	Bi-212	22	pCi/L	U	UF	EPA 901.1	SMP	64	108
BDD-SWSF-072015-B	7/20/15 21:48	Bi-214	4	pCi/L	U	UF	EPA 901.1	SMP	16	27
BDD-SWSF-072015-B	7/20/15 21:48	Co-60	-2.6	pCi/L	U	UF	EPA 901.1	SMP	5	9
BDD-SWSF-072015-B	7/20/15 21:48	Cs-134	4	pCi/L	U	UF	EPA 901.1	SMP	6.6	10.7
BDD-SWSF-072015-B	7/20/15 21:48	Cs-137	4.1	pCi/L	U	UF	EPA 901.1	SMP	4.2	6.8
BDD-SWSF-072015-B	7/20/15 21:48	K-40	35	pCi/L	U	UF	EPA 901.1	SMP	86	144
BDD-SWSF-072015-B	7/20/15 21:48	Na-22	-0.9	pCi/L	U	UF	EPA 901.1	SMP	4.8	8.5
BDD-SWSF-072015-B	7/20/15 21:48	Np-237	0.006	pCi/L	U	UF	HASL-300	SMP	0.015	0.073
BDD-SWSF-072015-B	7/20/15 21:48	Pa-234m	750	pCi/L	U	UF	EPA 901.1	SMP	690	1100
BDD-SWSF-072015-B	7/20/15 21:48	Pb-212	0	pCi/L	U	UF	EPA 901.1	SMP	10	17
BDD-SWSF-072015-B	7/20/15 21:48	Pb-214	12	pCi/L	U	UF	EPA 901.1	SMP	7.9	12.5
BDD-SWSF-072015-B	7/20/15 21:48	Pu-238	0.033	pCi/L	LT	UF	HASL-300	SMP	0.012	0.028
BDD-SWSF-072015-B	7/20/15 21:48	Pu-239/240	0.183	pCi/L		UF	HASL-300	SMP	0.028	0.022
BDD-SWSF-072015-B	7/20/15 21:48	Ra-226	6.88	pCi/L		UF	EPA 903.1	SMP	0.9	0.23
BDD-SWSF-072015-B	7/20/15 21:48	Ra-228	7.25	pCi/L	M3	UF	EPA 904.0	SMP	0.94	1.17
BDD-SWSF-072015-B	7/20/15 21:48	Sr-90	0.37	pCi/L	LT	UF	ASTM 5811	SMP	0.12	0.36
BDD-SWSF-072015-B	7/20/15 21:48	SSC	3.813	g/L		UF	D3977-97	SMP		
BDD-SWSF-072015-B	7/20/15 21:48	Th-234	2	pCi/L	U	UF	EPA 901.1	SMP	93	154
BDD-SWSF-072015-B	7/20/15 21:48	Tl-208	5	pCi/L	U	UF	EPA 901.1	SMP	4.8	7.7
BDD-SWSF-072015-B	7/20/15 21:48	U-234	5.51	pCi/L		UF	HASL-300	SMP	0.46	0.05
BDD-SWSF-072015-B	7/20/15 21:48	U-235	0.209	pCi/L		UF	HASL-300	SMP	0.036	0.03
BDD-SWSF-072015-B	7/20/15 21:48	U-238	5.36	pCi/L		UF	HASL-300	SMP	0.45	0.03
BDD-SWSF-072015-C	7/20/15 22:18	Ac-228	16	pCi/L	U	UF	EPA 901.1	DUP	19	31
BDD-SWSF-072015-C	7/20/15 22:18	Ac-228	10	pCi/L	U	UF	EPA 901.1	SMP	22	36
BDD-SWSF-072015-C	7/20/15 22:18	Am-241	0.03	pCi/L	U	10F	HASL-300	SMP	0.012	0.036
BDD-SWSF-072015-C	7/20/15 22:18	Am-241	-0.0008	pCi/g	U	Dry Weight	HASL-300	SMP	0.0043	0.0167
BDD-SWSF-072015-C	7/20/15 22:18	Be-7	-10	pCi/L	U	UF	EPA 901.1	DUP	430	740
BDD-SWSF-072015-C	7/20/15 22:18	Be-7	320	pCi/L	U	UF	EPA 901.1	SMP	260	420
BDD-SWSF-072015-C	7/20/15 22:18	Bi-212	28	pCi/L	U	UF	EPA 901.1	DUP	72	122
BDD-SWSF-072015-C	7/20/15 22:18	Bi-212	28	pCi/L	U	UF	EPA 901.1	SMP	46	76
BDD-SWSF-072015-C	7/20/15 22:18	Bi-214	-4	pCi/L	U	UF	EPA 901.1	DUP	16	27
BDD-SWSF-072015-C	7/20/15 22:18	Bi-214	0	pCi/L	U	UF	EPA 901.1	SMP	12	20
BDD-SWSF-072015-C	7/20/15 22:18	Co-60	0.2	pCi/L	U	UF	EPA 901.1	DUP	5.3	9.2
BDD-SWSF-072015-C	7/20/15 22:18	Co-60	0.7	pCi/L	U	UF	EPA 901.1	SMP	3.2	5.5
BDD-SWSF-072015-C	7/20/15 22:18	Cs-134	-3	pCi/L	U	UF	EPA 901.1	DUP	5	8.8
BDD-SWSF-072015-C	7/20/15 22:18	Cs-134	-3.4	pCi/L	U	UF	EPA 901.1	SMP	3.3	5.7
BDD-SWSF-072015-C	7/20/15 22:18	Cs-137	-0.1	pCi/L	U	UF	EPA 901.1	DUP	4.3	7.4
BDD-SWSF-072015-C	7/20/15 22:18	Cs-137	-0.6	pCi/L	U	UF	EPA 901.1	SMP	2.7	4.6
BDD-SWSF-072015-C	7/20/15 22:18	K-40	2	pCi/L	U	UF	EPA 901.1	DUP	98	166
BDD-SWSF-072015-C	7/20/15 22:18	K-40	51	pCi/L	U	UF	EPA 901.1	SMP	75	123
BDD-SWSF-072015-C	7/20/15 22:18	Na-22	1.1	pCi/L	U	UF	EPA 901.1	DUP	5.6	9.6
BDD-SWSF-072015-C	7/20/15 22:18	Na-22	0.5	pCi/L	U	UF	EPA 901.1	SMP	3.3	5.6
BDD-SWSF-072015-C	7/20/15 22:18	Np-237	-0.015	pCi/L	U	10F	HASL-300	SMP	0.013	0.066
BDD-SWSF-072015-C	7/20/15 22:18	Np-237	-0.0043	pCi/g	U	Dry Weight	HASL-300	SMP	0.0053	0.0282
BDD-SWSF-072015-C	7/20/15 22:18	Pa-234m	370	pCi/L	U	UF	EPA 901.1	DUP	810	1350
BDD-SWSF-072015-C	7/20/15 22:18	Pa-234m	380	pCi/L	U	UF	EPA 901.1	SMP	470	780
BDD-SWSF-072015-C	7/20/15 22:18	Pb-212	3	pCi/L	U	UF	EPA 901.1	DUP	12	20
BDD-SWSF-072015-C	7/20/15 22:18	Pb-212	6.2	pCi/L	U	UF	EPA 901.1	SMP	9.3	15.3
BDD-SWSF-072015-C	7/20/15 22:18	Pb-214	1	pCi/L	U	UF	EPA 901.1	DUP	13	21
BDD-SWSF-072015-C	7/20/15 22:18	Pb-214	-10.1	pCi/L	U	UF	EPA 901.1	SMP	9.5	15.9

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-072015-C	7/20/15 22:18	Pu-238	0.026	pCi/L	LT	10F	HASL-300	SMP	0.012	0.014
BDD-SWSF-072015-C	7/20/15 22:18	Pu-238	0.0126	pCi/g	LT	Dry Weight	HASL-300	SMP	0.0039	0.0071
BDD-SWSF-072015-C	7/20/15 22:18	Pu-239/240	0.144	pCi/L		10F	HASL-300	SMP	0.03	0.034
BDD-SWSF-072015-C	7/20/15 22:18	Pu-239/240	0.0519	pCi/g		Dry Weight	HASL-300	SMP	0.0083	0.0089
BDD-SWSF-072015-C	7/20/15 22:18	Ra-226	5.21	pCi/L		UF	EPA 903.1	SMP	0.72	0.3
BDD-SWSF-072015-C	7/20/15 22:18	Ra-228	6.13	pCi/L	M3	UF	EPA 904.0	SMP	0.88	1.7
BDD-SWSF-072015-C	7/20/15 22:18	Sr-90	0.153	pCi/L	U	UF	ASTM 5811	SMP	0.092	0.296
BDD-SWSF-072015-C	7/20/15 22:18	SSC	2.626	g/L		UF	D3977-97	SMP		
BDD-SWSF-072015-C	7/20/15 22:18	Th-234	29	pCi/L	U	UF	EPA 901.1	DUP	91	151
BDD-SWSF-072015-C	7/20/15 22:18	Th-234	0	pCi/L	U	UF	EPA 901.1	SMP	48	80
BDD-SWSF-072015-C	7/20/15 22:18	Tl-208	8.9	pCi/L	NQ	UF	EPA 901.1	DUP	5.4	8.4
BDD-SWSF-072015-C	7/20/15 22:18	Tl-208	5.4	pCi/L	U	UF	EPA 901.1	SMP	6.7	11
BDD-SWSF-072015-C	7/20/15 22:18	U-234	1.71	pCi/L		10F	HASL-300	SMP	0.18	0.05
BDD-SWSF-072015-C	7/20/15 22:18	U-234	0.714	pCi/g		Dry Weight	HASL-300	SMP	0.06	0.002
BDD-SWSF-072015-C	7/20/15 22:18	U-235	0.048	pCi/L	U	10F	HASL-300	SMP	0.022	0.061
BDD-SWSF-072015-C	7/20/15 22:18	U-235	0.0344	pCi/g		Dry Weight	HASL-300	SMP	0.0069	0.0097
BDD-SWSF-072015-C	7/20/15 22:18	U-238	1.29	pCi/L		10F	HASL-300	SMP	0.14	0.02
BDD-SWSF-072015-C	7/20/15 22:18	U-238	0.817	pCi/g		Dry Weight	HASL-300	SMP	0.068	0.008
BDD-SWSF-072015-D	7/20/15 22:48	Ac-228	1	pCi/L	U	UF	EPA 901.1	SMP	21	36
BDD-SWSF-072015-D	7/20/15 22:48	Am-241	-0.0026	pCi/L	U	10F	HASL-300	SMP	0.0088	0.0341
BDD-SWSF-072015-D	7/20/15 22:48	Am-241	0.01	pCi/g	U,M	Dry Weight	HASL-300	SMP	0.01	0.035
BDD-SWSF-072015-D	7/20/15 22:48	Be-7	-170	pCi/L	U	UF	EPA 901.1	SMP	310	550
BDD-SWSF-072015-D	7/20/15 22:48	Bi-212	63	pCi/L	U	UF	EPA 901.1	SMP	61	99
BDD-SWSF-072015-D	7/20/15 22:48	Bi-214	2	pCi/L	U	UF	EPA 901.1	SMP	13	22
BDD-SWSF-072015-D	7/20/15 22:48	Co-60	1.7	pCi/L	U	UF	EPA 901.1	SMP	4	6.8
BDD-SWSF-072015-D	7/20/15 22:48	Cs-134	-2.1	pCi/L	U	UF	EPA 901.1	SMP	3.9	6.9
BDD-SWSF-072015-D	7/20/15 22:48	Cs-137	-0.4	pCi/L	U	UF	EPA 901.1	SMP	3.3	5.8
BDD-SWSF-072015-D	7/20/15 22:48	Gross alpha	24	pCi/L		UF	EPA 900.0	SMP	2.3	2.8
BDD-SWSF-072015-D	7/20/15 22:48	Gross beta	37.4	pCi/L		UF	EPA 900.0	SMP	3.2	3.1
BDD-SWSF-072015-D	7/20/15 22:48	K-40	13	pCi/L	U	UF	EPA 901.1	SMP	71	119
BDD-SWSF-072015-D	7/20/15 22:48	Na-22	-0.2	pCi/L	U	UF	EPA 901.1	SMP	4.3	7.5
BDD-SWSF-072015-D	7/20/15 22:48	Np-237	0.004	pCi/L	U	10F	HASL-300	SMP	0.011	0.032
BDD-SWSF-072015-D	7/20/15 22:48	Np-237	0.026	pCi/g	U	Dry Weight	HASL-300	SMP	0.014	0.032
BDD-SWSF-072015-D	7/20/15 22:48	Pa-234m	350	pCi/L	U	UF	EPA 901.1	SMP	550	910
BDD-SWSF-072015-D	7/20/15 22:48	Pb-212	5.9	pCi/L	U	UF	EPA 901.1	SMP	9.4	15.5
BDD-SWSF-072015-D	7/20/15 22:48	Pb-214	-6.9	pCi/L	U	UF	EPA 901.1	SMP	9.7	16.5
BDD-SWSF-072015-D	7/20/15 22:48	Pu-238	0.0048	pCi/L	U	10F	HASL-300	SMP	0.0089	0.013
BDD-SWSF-072015-D	7/20/15 22:48	Pu-238	0.0088	pCi/g	LT	Dry Weight	HASL-300	SMP	0.0054	0.006
BDD-SWSF-072015-D	7/20/15 22:48	Pu-239/240	0.016	pCi/L	U	10F	HASL-300	SMP	0.01	0.032
BDD-SWSF-072015-D	7/20/15 22:48	Pu-239/240	0.05	pCi/g		Dry Weight	HASL-300	SMP	0.012	0.016
BDD-SWSF-072015-D	7/20/15 22:48	Ra-226	1.81	pCi/L		UF	EPA 903.1	SMP	0.29	0.27
BDD-SWSF-072015-D	7/20/15 22:48	Ra-228	2.9	pCi/L	M3	UF	EPA 904.0	SMP	0.55	1.63
BDD-SWSF-072015-D	7/20/15 22:48	Sr-90	0.126	pCi/L	U	UF	ASTM 5811	SMP	0.075	0.242
BDD-SWSF-072015-D	7/20/15 22:48	SSC	1.222	g/L		UF	D3977-97	SMP		
BDD-SWSF-072015-D	7/20/15 22:48	Th-234	28	pCi/L	U	UF	EPA 901.1	SMP	39	80
BDD-SWSF-072015-D	7/20/15 22:48	Tl-208	4	pCi/L	U	UF	EPA 901.1	SMP	7.4	12.2
BDD-SWSF-072015-D	7/20/15 22:48	U-234	1.07	pCi/L		10F	HASL-300	SMP	0.11	0.03
BDD-SWSF-072015-D	7/20/15 22:48	U-234	1.22	pCi/g		Dry Weight	HASL-300	SMP	0.1	0
BDD-SWSF-072015-D	7/20/15 22:48	U-235	0.017	pCi/L	LT	10F	HASL-300	SMP	0.01	0.015
BDD-SWSF-072015-D	7/20/15 22:48	U-235	0.046	pCi/g	M3	Dry Weight	HASL-300	SMP	0.011	0.015
BDD-SWSF-072015-D	7/20/15 22:48	U-238	0.803	pCi/L		10F	HASL-300	SMP	0.09	0.013
BDD-SWSF-072015-D	7/20/15 22:48	U-238	1.23	pCi/g	M3	Dry Weight	HASL-300	SMP	0.1	0.02
BDD-SWSF-072015-E	7/20/15 23:18	Ac-228	15	pCi/L	U	UF	EPA 901.1	SMP	10	21
BDD-SWSF-072015-E	7/20/15 23:18	Am-241	-0.0036	pCi/L	U	UF	HASL-300	SMP	0.0093	0.0362
BDD-SWSF-072015-E	7/20/15 23:18	Be-7	10	pCi/L	U	UF	EPA 901.1	SMP	330	570

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-072015-E	7/20/15 23:18	Bi-212	29	pCi/L	U	UF	EPA 901.1	SMP	66	112
BDD-SWSF-072015-E	7/20/15 23:18	Bi-214	5.7	pCi/L	U	UF	EPA 901.1	SMP	7.6	12.4
BDD-SWSF-072015-E	7/20/15 23:18	Co-60	-0.7	pCi/L	U	UF	EPA 901.1	SMP	4.1	7.4
BDD-SWSF-072015-E	7/20/15 23:18	Cs-134	1.8	pCi/L	U	UF	EPA 901.1	SMP	5.9	9.7
BDD-SWSF-072015-E	7/20/15 23:18	Cs-137	-1.3	pCi/L	U	UF	EPA 901.1	SMP	3.5	6.2
BDD-SWSF-072015-E	7/20/15 23:18	K-40	31	pCi/L	U	UF	EPA 901.1	SMP	85	142
BDD-SWSF-072015-E	7/20/15 23:18	Na-22	-0.1	pCi/L	U	UF	EPA 901.1	SMP	4.6	8.1
BDD-SWSF-072015-E	7/20/15 23:18	Np-237	0.0033	pCi/L	U	UF	HASL-300	SMP	0.0096	0.0287
BDD-SWSF-072015-E	7/20/15 23:18	Pa-234m	370	pCi/L	U	UF	EPA 901.1	SMP	610	1020
BDD-SWSF-072015-E	7/20/15 23:18	Pb-212	0.3	pCi/L	U	UF	EPA 901.1	SMP	9.7	16.3
BDD-SWSF-072015-E	7/20/15 23:18	Pb-214	-1	pCi/L	U	UF	EPA 901.1	SMP	11	18
BDD-SWSF-072015-E	7/20/15 23:18	Pu-238	0.0306	pCi/L	LT	UF	HASL-300	SMP	0.0092	0.0162
BDD-SWSF-072015-E	7/20/15 23:18	Pu-239/240	0.0351	pCi/L	LT	UF	HASL-300	SMP	0.0098	0.0161
BDD-SWSF-072015-E	7/20/15 23:18	Ra-226	1.09	pCi/L		UF	EPA 903.1	SMP	0.18	0.17
BDD-SWSF-072015-E	7/20/15 23:18	Ra-228	1.67	pCi/L		UF	EPA 904.0	SMP	0.33	1
BDD-SWSF-072015-E	7/20/15 23:18	Sr-90	0.114	pCi/L	U	UF	ASTM 5811	SMP	0.053	0.169
BDD-SWSF-072015-E	7/20/15 23:18	SSC	0.656	g/L		UF	D3977-97	SMP		
BDD-SWSF-072015-E	7/20/15 23:18	Th-234	15	pCi/L	U	UF	EPA 901.1	SMP	51	84
BDD-SWSF-072015-E	7/20/15 23:18	Tl-208	3.6	pCi/L	U	UF	EPA 901.1	SMP	4.3	7.1
BDD-SWSF-072015-E	7/20/15 23:18	U-234	1.61	pCi/L		UF	HASL-300	SMP	0.15	0.02
BDD-SWSF-072015-E	7/20/15 23:18	U-235	0.079	pCi/L	LT	UF	HASL-300	SMP	0.018	0.01
BDD-SWSF-072015-E	7/20/15 23:18	U-238	1.24	pCi/L		UF	HASL-300	SMP	0.12	0.02
BDD-SWSF-072015-F	7/20/15 23:48	Ac-228	-7	pCi/L	U	UF	EPA 901.1	SMP	28	49
BDD-SWSF-072015-F	7/20/15 23:48	Am-241	0.006	pCi/L	U	UF	HASL-300	SMP	0.011	0.04
BDD-SWSF-072015-F	7/20/15 23:48	Be-7	-200	pCi/L	U	UF	EPA 901.1	SMP	560	980
BDD-SWSF-072015-F	7/20/15 23:48	Bi-212	88	pCi/L	U	UF	EPA 901.1	SMP	92	149
BDD-SWSF-072015-F	7/20/15 23:48	Bi-214	4	pCi/L	U	UF	EPA 901.1	SMP	16	27
BDD-SWSF-072015-F	7/20/15 23:48	Co-60	-3.5	pCi/L	U	UF	EPA 901.1	SMP	5.8	10.9
BDD-SWSF-072015-F	7/20/15 23:48	Cs-134	-0.9	pCi/L	U	UF	EPA 901.1	SMP	6.8	11.7
BDD-SWSF-072015-F	7/20/15 23:48	Cs-137	0	pCi/L	U	UF	EPA 901.1	SMP	5.6	9.7
BDD-SWSF-072015-F	7/20/15 23:48	Gross alpha	11.2	pCi/L		UF	EPA 900.0	SMP	1.2	1.7
BDD-SWSF-072015-F	7/20/15 23:48	Gross beta	16.7	pCi/L		UF	EPA 900.0	SMP	1.5	2
BDD-SWSF-072015-F	7/20/15 23:48	K-40	-28	pCi/L	U	UF	EPA 901.1	SMP	97	170
BDD-SWSF-072015-F	7/20/15 23:48	Na-22	-3.9	pCi/L	U	UF	EPA 901.1	SMP	6.8	12.6
BDD-SWSF-072015-F	7/20/15 23:48	Np-237	0.006	pCi/L	U	UF	HASL-300	SMP	0.01	0.048
BDD-SWSF-072015-F	7/20/15 23:48	Pa-234m	650	pCi/L	U	UF	EPA 901.1	SMP	930	1540
BDD-SWSF-072015-F	7/20/15 23:48	Pb-212	9.9	pCi/L	U	UF	EPA 901.1	SMP	9.9	16
BDD-SWSF-072015-F	7/20/15 23:48	Pb-214	11	pCi/L	U	UF	EPA 901.1	SMP	10	17
BDD-SWSF-072015-F	7/20/15 23:48	Pu-238	0.0138	pCi/L	U	UF	HASL-300	SMP	0.0076	0.0226
BDD-SWSF-072015-F	7/20/15 23:48	Pu-239/240	0.0189	pCi/L	U	UF	HASL-300	SMP	0.0085	0.0225
BDD-SWSF-072015-F	7/20/15 23:48	Ra-226	0.96	pCi/L	LT	UF	EPA 903.1	SMP	0.16	0.13
BDD-SWSF-072015-F	7/20/15 23:48	Ra-228	1.68	pCi/L		UF	EPA 904.0	SMP	0.31	0.92
BDD-SWSF-072015-F	7/20/15 23:48	Sr-90	0.059	pCi/L	U	UF	ASTM 5811	SMP	0.054	0.176
BDD-SWSF-072015-F	7/20/15 23:48	SSC	0.570	g/L		UF	D3977-97	SMP		
BDD-SWSF-072015-F	7/20/15 23:48	Th-234	0	pCi/L	U	UF	EPA 901.1	SMP	110	190
BDD-SWSF-072015-F	7/20/15 23:48	Tl-208	7.1	pCi/L	U	UF	EPA 901.1	SMP	6.8	11
BDD-SWSF-072015-F	7/20/15 23:48	U-234	1.25	pCi/L		UF	HASL-300	SMP	0.12	0.03
BDD-SWSF-072015-F	7/20/15 23:48	U-235	0.057	pCi/L	LT	UF	HASL-300	SMP	0.016	0.032
BDD-SWSF-072015-F	7/20/15 23:48	U-238	1.07	pCi/L		UF	HASL-300	SMP	0.1	0.02
BDD-SWSF-072115-G	7/21/15 0:48	Ac-228	24	pCi/L	NQ	UF	EPA 901.1	SMP	14	21
BDD-SWSF-072115-G	7/21/15 0:48	Am-241	-0.0127	pCi/L	U	UF	HASL-300	SMP	0.0096	0.0411
BDD-SWSF-072115-G	7/21/15 0:48	Be-7	-20	pCi/L	U	UF	EPA 901.1	SMP	170	290
BDD-SWSF-072115-G	7/21/15 0:48	Bi-212	1	pCi/L	U	UF	EPA 901.1	SMP	56	96
BDD-SWSF-072115-G	7/21/15 0:48	Bi-214	13	pCi/L	U	UF	EPA 901.1	SMP	11	18
BDD-SWSF-072115-G	7/21/15 0:48	Co-60	0.3	pCi/L	U	UF	EPA 901.1	SMP	3.9	6.7

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-072115-G	7/21/15 0:48	Cs-134	-2.3	pCi/L	U	UF	EPA 901.1	SMP	3.6	6.3
BDD-SWSF-072115-G	7/21/15 0:48	Cs-137	0.3	pCi/L	U	UF	EPA 901.1	SMP	3	5.1
BDD-SWSF-072115-G	7/21/15 0:48	K-40	2	pCi/L	U	UF	EPA 901.1	SMP	72	121
BDD-SWSF-072115-G	7/21/15 0:48	Na-22	-1.5	pCi/L	U	UF	EPA 901.1	SMP	3.9	7
BDD-SWSF-072115-G	7/21/15 0:48	Pa-234m	-120	pCi/L	U	UF	EPA 901.1	SMP	550	970
BDD-SWSF-072115-G	7/21/15 0:48	Pb-212	-0.1	pCi/L	U	UF	EPA 901.1	SMP	9.2	15.4
BDD-SWSF-072115-G	7/21/15 0:48	Pb-214	-1	pCi/L	U	UF	EPA 901.1	SMP	9.8	16.5
BDD-SWSF-072115-G	7/21/15 0:48	Pu-238	0.009	pCi/L	U	UF	HASL-300	SMP	0.011	0.042
BDD-SWSF-072115-G	7/21/15 0:48	Pu-239/240	0.048	pCi/L	LT	UF	HASL-300	SMP	0.014	0.01
BDD-SWSF-072115-G	7/21/15 0:48	SSC	0.993	g/L		UF	D3977-97	SMP		
BDD-SWSF-072115-G	7/21/15 0:48	Th-234	-4	pCi/L	U	UF	EPA 901.1	SMP	48	79
BDD-SWSF-072115-G	7/21/15 0:48	Tl-208	2.1	pCi/L	U	UF	EPA 901.1	SMP	3.6	6.1
BDD-SWSF-072115-G	7/21/15 0:48	U-234	1.8	pCi/L		UF	HASL-300	SMP	0.17	0.04
BDD-SWSF-072115-G	7/21/15 0:48	U-235	0.094	pCi/L	LT	UF	HASL-300	SMP	0.023	0.035
BDD-SWSF-072115-G	7/21/15 0:48	U-238	1.72	pCi/L		UF	HASL-300	SMP	0.16	0.01
BDD-SWSF-073015-A	7/30/15 0:22	Ac-228	15	pCi/L	U	UF	EPA 901.1	DUP	31	51
BDD-SWSF-073015-A	7/30/15 0:22	Ac-228	-9	pCi/L	U	UF	EPA 901.1	SMP	25	44
BDD-SWSF-073015-A	7/30/15 0:22	Am-241	-0.0036	pCi/L	U	UF	HASL-300	SMP	0.0083	0.0331
BDD-SWSF-073015-A	7/30/15 0:22	Be-7	-290	pCi/L	U	UF	EPA 901.1	DUP	460	830
BDD-SWSF-073015-A	7/30/15 0:22	Be-7	-70	pCi/L	U	UF	EPA 901.1	SMP	380	680
BDD-SWSF-073015-A	7/30/15 0:22	Bi-212	15	pCi/L	U	UF	EPA 901.1	DUP	89	154
BDD-SWSF-073015-A	7/30/15 0:22	Bi-212	6	pCi/L	U	UF	EPA 901.1	SMP	75	129
BDD-SWSF-073015-A	7/30/15 0:22	Bi-214	-11	pCi/L	U	UF	EPA 901.1	DUP	17	30
BDD-SWSF-073015-A	7/30/15 0:22	Bi-214	2	pCi/L	U	UF	EPA 901.1	SMP	11	19
BDD-SWSF-073015-A	7/30/15 0:22	Co-60	2.4	pCi/L	U	UF	EPA 901.1	DUP	5.8	9.9
BDD-SWSF-073015-A	7/30/15 0:22	Co-60	-1.4	pCi/L	U	UF	EPA 901.1	SMP	4.7	8.6
BDD-SWSF-073015-A	7/30/15 0:22	Cs-134	-1.8	pCi/L	U	UF	EPA 901.1	DUP	6	10.5
BDD-SWSF-073015-A	7/30/15 0:22	Cs-134	-5.4	pCi/L	U	UF	EPA 901.1	SMP	5.4	9.7
BDD-SWSF-073015-A	7/30/15 0:22	Cs-137	-1.6	pCi/L	U	UF	EPA 901.1	DUP	5	9
BDD-SWSF-073015-A	7/30/15 0:22	Cs-137	2	pCi/L	U	UF	EPA 901.1	SMP	4.3	7.2
BDD-SWSF-073015-A	7/30/15 0:22	Gross alpha	11.5	pCi/L		UF	EPA 900.0	SMP	1.2	1.5
BDD-SWSF-073015-A	7/30/15 0:22	Gross beta	15.7	pCi/L		UF	EPA 900.0	SMP	1.4	1.8
BDD-SWSF-073015-A	7/30/15 0:22	K-40	-10	pCi/L	U	UF	EPA 901.1	DUP	110	190
BDD-SWSF-073015-A	7/30/15 0:22	K-40	-48	pCi/L	U	UF	EPA 901.1	SMP	95	165
BDD-SWSF-073015-A	7/30/15 0:22	Na-22	-1.2	pCi/L	U	UF	EPA 901.1	DUP	6	11
BDD-SWSF-073015-A	7/30/15 0:22	Na-22	-2.2	pCi/L	U	UF	EPA 901.1	SMP	5.1	9.4
BDD-SWSF-073015-A	7/30/15 0:22	Np-237	-0.006	pCi/L	U	UF	HASL-300	SMP	0.01	0.042
BDD-SWSF-073015-A	7/30/15 0:22	Pa-234m	-40	pCi/L	U	UF	EPA 901.1	DUP	810	1450
BDD-SWSF-073015-A	7/30/15 0:22	Pa-234m	420	pCi/L	U	UF	EPA 901.1	SMP	740	1230
BDD-SWSF-073015-A	7/30/15 0:22	Pb-212	3	pCi/L	U	UF	EPA 901.1	DUP	12	20
BDD-SWSF-073015-A	7/30/15 0:22	Pb-212	1	pCi/L	U	UF	EPA 901.1	SMP	13	22
BDD-SWSF-073015-A	7/30/15 0:22	Pb-214	-5	pCi/L	U	UF	EPA 901.1	DUP	14	25
BDD-SWSF-073015-A	7/30/15 0:22	Pb-214	4.2	pCi/L	U	UF	EPA 901.1	SMP	8.7	14.6
BDD-SWSF-073015-A	7/30/15 0:22	Pu-238	0.0093	pCi/L	U	UF	HASL-300	SMP	0.0054	0.0156
BDD-SWSF-073015-A	7/30/15 0:22	Pu-239/240	0.0122	pCi/L	U	UF	HASL-300	SMP	0.0071	0.0225
BDD-SWSF-073015-A	7/30/15 0:22	Ra-226	0.66	pCi/L	LT	UF	EPA 903.1	SMP	0.13	0.21
BDD-SWSF-073015-A	7/30/15 0:22	Ra-228	0.91	pCi/L	LT	UF	EPA 904.0	SMP	0.23	0.84
BDD-SWSF-073015-A	7/30/15 0:22	Sr-90	-0.02	pCi/L	U	UF	ASTM 5811	SMP	0.059	0.196
BDD-SWSF-073015-A	7/30/15 0:22	SSC	0.549	g/L		UF	D3977-97	SMP		
BDD-SWSF-073015-A	7/30/15 0:22	Th-234	20	pCi/L	U	UF	EPA 901.1	DUP	100	170
BDD-SWSF-073015-A	7/30/15 0:22	Th-234	0	pCi/L	U	UF	EPA 901.1	SMP	160	270
BDD-SWSF-073015-A	7/30/15 0:22	Tl-208	-1.6	pCi/L	U	UF	EPA 901.1	DUP	8.6	14.9
BDD-SWSF-073015-A	7/30/15 0:22	Tl-208	7	pCi/L	U	UF	EPA 901.1	SMP	5.4	8.5
BDD-SWSF-073015-A	7/30/15 0:22	U-234	1.18	pCi/L		UF	HASL-300	SMP	0.13	0.04
BDD-SWSF-073015-A	7/30/15 0:22	U-235	0.052	pCi/L	LT	UF	HASL-300	SMP	0.019	0.018

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-073015-A	7/30/15 0:22	U-238	0.88	pCi/L		UF	HASL-300	SMP	0.1	0.05
BDD-SWSF-073015-B	7/30/15 0:52	Ac-228	-10	pCi/L	U	UF	EPA 901.1	SMP	32	55
BDD-SWSF-073015-B	7/30/15 0:52	Am-241	0.0076	pCi/L	U	UF	HASL-300	SMP	0.0096	0.0339
BDD-SWSF-073015-B	7/30/15 0:52	Be-7	-60	pCi/L	U	UF	EPA 901.1	SMP	480	840
BDD-SWSF-073015-B	7/30/15 0:52	Bi-212	76	pCi/L	U	UF	EPA 901.1	SMP	84	136
BDD-SWSF-073015-B	7/30/15 0:52	Bi-214	6	pCi/L	U	UF	EPA 901.1	SMP	18	31
BDD-SWSF-073015-B	7/30/15 0:52	Co-60	1.8	pCi/L	U	UF	EPA 901.1	SMP	6.4	11.1
BDD-SWSF-073015-B	7/30/15 0:52	Cs-134	-4.4	pCi/L	U	UF	EPA 901.1	SMP	8.6	15.1
BDD-SWSF-073015-B	7/30/15 0:52	Cs-137	2.6	pCi/L	U	UF	EPA 901.1	SMP	5.2	8.8
BDD-SWSF-073015-B	7/30/15 0:52	Gross alpha	12.5	pCi/L		UF	EPA 900.0	SMP	1.3	1.9
BDD-SWSF-073015-B	7/30/15 0:52	Gross beta	17.8	pCi/L		UF	EPA 900.0	SMP	1.6	1.9
BDD-SWSF-073015-B	7/30/15 0:52	K-40	10	pCi/L	U	UF	EPA 901.1	SMP	110	190
BDD-SWSF-073015-B	7/30/15 0:52	Na-22	2.6	pCi/L	U	UF	EPA 901.1	SMP	5.9	10
BDD-SWSF-073015-B	7/30/15 0:52	Np-237	0.008	pCi/L	U	UF	HASL-300	SMP	0.011	0.039
BDD-SWSF-073015-B	7/30/15 0:52	Pa-234m	1220	pCi/L	U	UF	EPA 901.1	SMP	900	1400
BDD-SWSF-073015-B	7/30/15 0:52	Pb-212	1	pCi/L	U	UF	EPA 901.1	SMP	12	21
BDD-SWSF-073015-B	7/30/15 0:52	Pb-214	6	pCi/L	U	UF	EPA 901.1	SMP	15	25
BDD-SWSF-073015-B	7/30/15 0:52	Pu-238	-0.0009	pCi/L	U	UF	HASL-300	SMP	0.0061	0.0282
BDD-SWSF-073015-B	7/30/15 0:52	Pu-239/240	0.0258	pCi/L	LT	UF	HASL-300	SMP	0.0094	0.0218
BDD-SWSF-073015-B	7/30/15 0:52	Ra-226	1.27	pCi/L		UF	EPA 903.1	SMP	0.2	0.11
BDD-SWSF-073015-B	7/30/15 0:52	Ra-228	1.5	pCi/L		UF	EPA 904.0	SMP	0.29	0.87
BDD-SWSF-073015-B	7/30/15 0:52	Sr-90	0.049	pCi/L	U	UF	ASTM 5811	SMP	0.06	0.198
BDD-SWSF-073015-B	7/30/15 0:52	SSC	0.603	g/L		UF	D3977-97	SMP		
BDD-SWSF-073015-B	7/30/15 0:52	Th-234	30	pCi/L	U	UF	EPA 901.1	SMP	100	170
BDD-SWSF-073015-B	7/30/15 0:52	Tl-208	-1.4	pCi/L	U	UF	EPA 901.1	SMP	9.3	15.9
BDD-SWSF-073015-B	7/30/15 0:52	U-234	1.52	pCi/L		UF	HASL-300	SMP	0.14	0.04
BDD-SWSF-073015-B	7/30/15 0:52	U-235	0.042	pCi/L	LT	UF	HASL-300	SMP	0.015	0.033
BDD-SWSF-073015-B	7/30/15 0:52	U-238	1.32	pCi/L		UF	HASL-300	SMP	0.13	0.01
BDD-SWSF-073015-C	7/30/15 1:22	Ac-228	46	pCi/L	U	UF	EPA 901.1	SMP	34	65
BDD-SWSF-073015-C	7/30/15 1:22	Am-241	0.0103	pCi/L	U	10F	HASL-300	SMP	0.0093	0.0318
BDD-SWSF-073015-C	7/30/15 1:22	Am-241	0.0044	pCi/g	U	Dry Weight	HASL-300	SMP	0.0042	0.0145
BDD-SWSF-073015-C	7/30/15 1:22	Be-7	-70	pCi/L	U	UF	EPA 901.1	SMP	890	1520
BDD-SWSF-073015-C	7/30/15 1:22	Bi-212	50	pCi/L	U	UF	EPA 901.1	SMP	170	290
BDD-SWSF-073015-C	7/30/15 1:22	Bi-214	37	pCi/L	NQ	UF	EPA 901.1	SMP	22	35
BDD-SWSF-073015-C	7/30/15 1:22	Co-60	3	pCi/L	U	UF	EPA 901.1	SMP	10	17
BDD-SWSF-073015-C	7/30/15 1:22	Cs-134	1	pCi/L	U	UF	EPA 901.1	SMP	12	20
BDD-SWSF-073015-C	7/30/15 1:22	Cs-137	-4.8	pCi/L	U,M	UF	EPA 901.1	SMP	9.9	17.2
BDD-SWSF-073015-C	7/30/15 1:22	Gross alpha	226	pCi/L	M3	UF	EPA 900.0	SMP	20	17
BDD-SWSF-073015-C	7/30/15 1:22	Gross beta	212	pCi/L	M3	UF	EPA 900.0	SMP	18	16
BDD-SWSF-073015-C	7/30/15 1:22	K-40	30	pCi/L	U	UF	EPA 901.1	SMP	320	530
BDD-SWSF-073015-C	7/30/15 1:22	Na-22	-2	pCi/L	U	UF	EPA 901.1	SMP	12	20
BDD-SWSF-073015-C	7/30/15 1:22	Np-237	0.002	pCi/L	U	10F	HASL-300	SMP	0.014	0.07
BDD-SWSF-073015-C	7/30/15 1:22	Np-237	0.004	pCi/g	U	Dry Weight	HASL-300	SMP	0.0047	0.02
BDD-SWSF-073015-C	7/30/15 1:22	Pa-234m	-300	pCi/L	U	UF	EPA 901.1	SMP	1700	2900
BDD-SWSF-073015-C	7/30/15 1:22	Pb-212	-4	pCi/L	U	UF	EPA 901.1	SMP	32	53
BDD-SWSF-073015-C	7/30/15 1:22	Pb-214	-3	pCi/L	U	UF	EPA 901.1	SMP	36	60
BDD-SWSF-073015-C	7/30/15 1:22	Pu-238	0.0135	pCi/L	U	10F	HASL-300	SMP	0.0094	0.028
BDD-SWSF-073015-C	7/30/15 1:22	Pu-238	0.005	pCi/g	U	Dry Weight	HASL-300	SMP	0.0024	0.0061
BDD-SWSF-073015-C	7/30/15 1:22	Pu-239/240	0.0083	pCi/L	U	10F	HASL-300	SMP	0.0094	0.0279
BDD-SWSF-073015-C	7/30/15 1:22	Pu-239/240	0.0091	pCi/g	LT	Dry Weight	HASL-300	SMP	0.0028	0.0022
BDD-SWSF-073015-C	7/30/15 1:22	Ra-226	20.1	pCi/L		UF	EPA 903.1	SMP	2.7	0.9
BDD-SWSF-073015-C	7/30/15 1:22	Ra-228	19.1	pCi/L	M3	UF	EPA 904.0	SMP	2.6	4.4
BDD-SWSF-073015-C	7/30/15 1:22	Sr-90	0.35	pCi/L	U	UF	ASTM 5811	SMP	0.23	0.76
BDD-SWSF-073015-C	7/30/15 1:22	SSC	9.288	g/L		UF	D3977-97	SMP		
BDD-SWSF-073015-C	7/30/15 1:22	Th-234	30	pCi/L	U	UF	EPA 901.1	SMP	260	430

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-073015-C	7/30/15 1:22	Tl-208	10	pCi/L	U	UF	EPA 901.1	SMP	12	20
BDD-SWSF-073015-C	7/30/15 1:22	U-234	8.15	pCi/L		10F	HASL-300	SMP	0.7	0.03
BDD-SWSF-073015-C	7/30/15 1:22	U-234	0.846	pCi/g		Dry Weight	HASL-300	SMP	0.072	0.009
BDD-SWSF-073015-C	7/30/15 1:22	U-235	0.467	pCi/L		10F	HASL-300	SMP	0.067	0.042
BDD-SWSF-073015-C	7/30/15 1:22	U-235	0.0409	pCi/g		Dry Weight	HASL-300	SMP	0.0079	0.0089
BDD-SWSF-073015-C	7/30/15 1:22	U-238	7.14	pCi/L		10F	HASL-300	SMP	0.62	0.05
BDD-SWSF-073015-C	7/30/15 1:22	U-238	0.934	pCi/g		Dry Weight	HASL-300	SMP	0.079	0.009
BDD-SWSF-073015-D	7/30/15 1:52	Ac-228	19	pCi/L	U	UF	EPA 901.1	SMP	66	110
BDD-SWSF-073015-D	7/30/15 1:52	Am-241	0.011	pCi/L	U	10F	HASL-300	SMP	0.014	0.049
BDD-SWSF-073015-D	7/30/15 1:52	Am-241	0.0068	pCi/g	U	Dry Weight	HASL-300	SMP	0.0047	0.0156
BDD-SWSF-073015-D	7/30/15 1:52	Be-7	-40	pCi/L	U	UF	EPA 901.1	SMP	910	1530
BDD-SWSF-073015-D	7/30/15 1:52	Bi-212	70	pCi/L	U	UF	EPA 901.1	SMP	150	250
BDD-SWSF-073015-D	7/30/15 1:52	Bi-214	9	pCi/L	U	UF	EPA 901.1	SMP	51	84
BDD-SWSF-073015-D	7/30/15 1:52	Co-60	-2	pCi/L	U	UF	EPA 901.1	SMP	11	19
BDD-SWSF-073015-D	7/30/15 1:52	Cs-134	-6	pCi/L	U	UF	EPA 901.1	SMP	18	30
BDD-SWSF-073015-D	7/30/15 1:52	Cs-137	4.9	pCi/L	U,M	UF	EPA 901.1	SMP	9.6	16
BDD-SWSF-073015-D	7/30/15 1:52	Gross alpha	267	pCi/L	M3	UF	EPA 900.0	SMP	24	21
BDD-SWSF-073015-D	7/30/15 1:52	Gross beta	255	pCi/L	M3	UF	EPA 900.0	SMP	22	23
BDD-SWSF-073015-D	7/30/15 1:52	K-40	200	pCi/L	U	UF	EPA 901.1	SMP	270	440
BDD-SWSF-073015-D	7/30/15 1:52	Na-22	1	pCi/L	U	UF	EPA 901.1	SMP	11	18
BDD-SWSF-073015-D	7/30/15 1:52	Np-237	0.017	pCi/L	U	10F	HASL-300	SMP	0.013	0.044
BDD-SWSF-073015-D	7/30/15 1:52	Np-237	-0.0006	pCi/g	U	Dry Weight	HASL-300	SMP	0.0042	0.0178
BDD-SWSF-073015-D	7/30/15 1:52	Pa-234m	-1300	pCi/L	U	UF	EPA 901.1	SMP	1600	2800
BDD-SWSF-073015-D	7/30/15 1:52	Pb-212	-8	pCi/L	U	UF	EPA 901.1	SMP	38	63
BDD-SWSF-073015-D	7/30/15 1:52	Pb-214	-25	pCi/L	U	UF	EPA 901.1	SMP	41	68
BDD-SWSF-073015-D	7/30/15 1:52	Pu-238	0.003	pCi/L	U	10F	HASL-300	SMP	0.01	0.046
BDD-SWSF-073015-D	7/30/15 1:52	Pu-238	0.005	pCi/g	LT	Dry Weight	HASL-300	SMP	0.0021	0.0023
BDD-SWSF-073015-D	7/30/15 1:52	Pu-239/240	0.012	pCi/L	U	10F	HASL-300	SMP	0.01	0.036
BDD-SWSF-073015-D	7/30/15 1:52	Pu-239/240	0.0083	pCi/g	LT	Dry Weight	HASL-300	SMP	0.0027	0.0022
BDD-SWSF-073015-D	7/30/15 1:52	Ra-226	0.57	pCi/L	U,M	UF	EPA 903.1	DUP	0.33	1.05
BDD-SWSF-073015-D	7/30/15 1:52	Ra-226	0.54	pCi/L	U,M	UF	EPA 903.1	SMP	0.34	1.06
BDD-SWSF-073015-D	7/30/15 1:52	Ra-228	17.5	pCi/L	M3	UF	EPA 904.0	SMP	2.4	4.1
BDD-SWSF-073015-D	7/30/15 1:52	Ra-228	21.1	pCi/L	M3	UF	EPA 904.0	DUP	2.8	4.2
BDD-SWSF-073015-D	7/30/15 1:52	Sr-90	0.4	pCi/L	U	UF	ASTM 5811	SMP	0.24	0.77
BDD-SWSF-073015-D	7/30/15 1:52	SSC	9.250	g/L		UF	D3977-97	SMP		
BDD-SWSF-073015-D	7/30/15 1:52	Th-234	190	pCi/L	U	UF	EPA 901.1	SMP	380	630
BDD-SWSF-073015-D	7/30/15 1:52	Tl-208	14	pCi/L	U	UF	EPA 901.1	SMP	13	21
BDD-SWSF-073015-D	7/30/15 1:52	U-234	8.76	pCi/L		10F	HASL-300	SMP	0.75	0.03
BDD-SWSF-073015-D	7/30/15 1:52	U-234	0.916	pCi/g		Dry Weight	HASL-300	SMP	0.075	0.002
BDD-SWSF-073015-D	7/30/15 1:52	U-235	0.397	pCi/L		10F	HASL-300	SMP	0.06	0.042
BDD-SWSF-073015-D	7/30/15 1:52	U-235	0.0479	pCi/g		Dry Weight	HASL-300	SMP	0.0076	0.0066
BDD-SWSF-073015-D	7/30/15 1:52	U-238	7.9	pCi/L		10F	HASL-300	SMP	0.68	0.04
BDD-SWSF-073015-D	7/30/15 1:52	U-238	1.006	pCi/g		Dry Weight	HASL-300	SMP	0.082	0.006
BDD-SWSF-073015-E	7/30/15 2:22	Ac-228	44	pCi/L	U	UF	EPA 901.1	SMP	57	94
BDD-SWSF-073015-E	7/30/15 2:22	Am-241	0.0158	pCi/L	U	10F	HASL-300	SMP	0.0097	0.0312
BDD-SWSF-073015-E	7/30/15 2:22	Am-241	0.0002	pCi/g	U	Dry Weight	HASL-300	SMP	0.004	0.0152
BDD-SWSF-073015-E	7/30/15 2:22	Be-7	510	pCi/L	U	UF	EPA 901.1	SMP	760	1260
BDD-SWSF-073015-E	7/30/15 2:22	Bi-212	80	pCi/L	U	UF	EPA 901.1	SMP	130	220
BDD-SWSF-073015-E	7/30/15 2:22	Bi-214	-2	pCi/L	U	UF	EPA 901.1	SMP	39	64
BDD-SWSF-073015-E	7/30/15 2:22	Co-60	2.4	pCi/L	U	UF	EPA 901.1	SMP	9	15.3
BDD-SWSF-073015-E	7/30/15 2:22	Cs-134	-6	pCi/L	U	UF	EPA 901.1	SMP	13	23
BDD-SWSF-073015-E	7/30/15 2:22	Cs-137	3.4	pCi/L	U,M	UF	EPA 901.1	SMP	7.9	13.1
BDD-SWSF-073015-E	7/30/15 2:22	Gross alpha	160	pCi/L	M3	UF	EPA 900.0	SMP	15	16
BDD-SWSF-073015-E	7/30/15 2:22	Gross beta	214	pCi/L	M3	UF	EPA 900.0	SMP	19	22
BDD-SWSF-073015-E	7/30/15 2:22	K-40	110	pCi/L	U	UF	EPA 901.1	SMP	240	400

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-073015-E	7/30/15 2:22	Na-22	5.8	pCi/L	U	UF	EPA 901.1	SMP	9.7	16.2
BDD-SWSF-073015-E	7/30/15 2:22	Np-237	0.019	pCi/L	U	10F	HASL-300	SMP	0.013	0.039
BDD-SWSF-073015-E	7/30/15 2:22	Np-237	-0.0027	pCi/g	U	Dry Weight	HASL-300	SMP	0.0049	0.0275
BDD-SWSF-073015-E	7/30/15 2:22	Pa-234m	-600	pCi/L	U	UF	EPA 901.1	SMP	1300	2200
BDD-SWSF-073015-E	7/30/15 2:22	Pb-212	14	pCi/L	U	UF	EPA 901.1	SMP	28	46
BDD-SWSF-073015-E	7/30/15 2:22	Pb-214	-10	pCi/L	U	UF	EPA 901.1	SMP	29	49
BDD-SWSF-073015-E	7/30/15 2:22	Pu-238	0.025	pCi/L	U	10F	HASL-300	SMP	0.013	0.038
BDD-SWSF-073015-E	7/30/15 2:22	Pu-238	0.0079	pCi/g	LT	Dry Weight	HASL-300	SMP	0.0027	0.0024
BDD-SWSF-073015-E	7/30/15 2:22	Pu-239/240	0.04	pCi/L	U	10F	HASL-300	SMP	0.017	0.043
BDD-SWSF-073015-E	7/30/15 2:22	Pu-239/240	0.0104	pCi/g	LT	Dry Weight	HASL-300	SMP	0.0031	0.0024
BDD-SWSF-073015-E	7/30/15 2:22	Ra-226	14.6	pCi/L		UF	EPA 903.1	SMP	2	0.7
BDD-SWSF-073015-E	7/30/15 2:22	Ra-228	12.1	pCi/L	M3	UF	EPA 904.0	SMP	1.7	3.2
BDD-SWSF-073015-E	7/30/15 2:22	Sr-90	0.06	pCi/L	U	UF	ASTM 5811	SMP	0.21	0.68
BDD-SWSF-073015-E	7/30/15 2:22	SSC	7.086	g/L		UF	D3977-97	SMP		
BDD-SWSF-073015-E	7/30/15 2:22	Th-234	-60	pCi/L	U	UF	EPA 901.1	SMP	230	390
BDD-SWSF-073015-E	7/30/15 2:22	Tl-208	4	pCi/L	U	UF	EPA 901.1	SMP	18	30
BDD-SWSF-073015-E	7/30/15 2:22	U-234	6.92	pCi/L		10F	HASL-300	SMP	0.6	0.04
BDD-SWSF-073015-E	7/30/15 2:22	U-234	0.908	pCi/g		Dry Weight	HASL-300	SMP	0.075	0.008
BDD-SWSF-073015-E	7/30/15 2:22	U-235	0.249	pCi/L		10F	HASL-300	SMP	0.043	0.032
BDD-SWSF-073015-E	7/30/15 2:22	U-235	0.0659	pCi/g		Dry Weight	HASL-300	SMP	0.0097	0.0075
BDD-SWSF-073015-E	7/30/15 2:22	U-238	6.2	pCi/L		10F	HASL-300	SMP	0.54	0.03
BDD-SWSF-073015-E	7/30/15 2:22	U-238	1.013	pCi/g		Dry Weight	HASL-300	SMP	0.083	0.006
BDD-SWSF-073015-F	7/30/15 2:52	Ac-228	14	pCi/L	U	UF	EPA 901.1	SMP	30	51
BDD-SWSF-073015-F	7/30/15 2:52	Am-241	0.007	pCi/L	U	10F	HASL-300	SMP	0.01	0.037
BDD-SWSF-073015-F	7/30/15 2:52	Am-241	0.0011	pCi/g	U	Dry Weight	HASL-300	SMP	0.0044	0.0166
BDD-SWSF-073015-F	7/30/15 2:52	Be-7	-30	pCi/L	U	UF	EPA 901.1	SMP	450	790
BDD-SWSF-073015-F	7/30/15 2:52	Bi-212	16	pCi/L	U	UF	EPA 901.1	SMP	89	154
BDD-SWSF-073015-F	7/30/15 2:52	Bi-214	7	pCi/L	U	UF	EPA 901.1	SMP	18	30
BDD-SWSF-073015-F	7/30/15 2:52	Co-60	-4.7	pCi/L	U	UF	EPA 901.1	SMP	6.6	12.4
BDD-SWSF-073015-F	7/30/15 2:52	Cs-134	-2.2	pCi/L	U	UF	EPA 901.1	SMP	6.4	11.2
BDD-SWSF-073015-F	7/30/15 2:52	Cs-137	-2.9	pCi/L	U	UF	EPA 901.1	SMP	4.6	8.5
BDD-SWSF-073015-F	7/30/15 2:52	Gross alpha	155	pCi/L	M3	UF	EPA 900.0	SMP	14	11
BDD-SWSF-073015-F	7/30/15 2:52	Gross beta	156	pCi/L	M3	UF	EPA 900.0	SMP	14	15
BDD-SWSF-073015-F	7/30/15 2:52	K-40	-14	pCi/L	U	UF	EPA 901.1	SMP	92	161
BDD-SWSF-073015-F	7/30/15 2:52	Na-22	1	pCi/L	U	UF	EPA 901.1	SMP	6.2	10.8
BDD-SWSF-073015-F	7/30/15 2:52	Np-237	0.01	pCi/L	U	10F	HASL-300	SMP	0.012	0.051
BDD-SWSF-073015-F	7/30/15 2:52	Np-237	0.0029	pCi/g	U	Dry Weight	HASL-300	SMP	0.0042	0.0191
BDD-SWSF-073015-F	7/30/15 2:52	Pa-234m	960	pCi/L	U	UF	EPA 901.1	SMP	890	1420
BDD-SWSF-073015-F	7/30/15 2:52	Pb-212	-2	pCi/L	U	UF	EPA 901.1	SMP	12	21
BDD-SWSF-073015-F	7/30/15 2:52	Pb-214	-1	pCi/L	U	UF	EPA 901.1	SMP	15	25
BDD-SWSF-073015-F	7/30/15 2:52	Pu-238	-0.0043	pCi/L	U	10F	HASL-300	SMP	0.0099	0.0482
BDD-SWSF-073015-F	7/30/15 2:52	Pu-238	0.0009	pCi/g	U	Dry Weight	HASL-300	SMP	0.0023	0.0087
BDD-SWSF-073015-F	7/30/15 2:52	Pu-239/240	0.0103	pCi/L	U	10F	HASL-300	SMP	0.0099	0.0404
BDD-SWSF-073015-F	7/30/15 2:52	Pu-239/240	0.0093	pCi/g	LT	Dry Weight	HASL-300	SMP	0.003	0.0025
BDD-SWSF-073015-F	7/30/15 2:52	Ra-226	9.8	pCi/L		UF	EPA 903.1	SMP	1.3	0.3
BDD-SWSF-073015-F	7/30/15 2:52	Ra-228	8.9	pCi/L	M3	UF	EPA 904.0	SMP	1.2	1.6
BDD-SWSF-073015-F	7/30/15 2:52	Sr-90	0.19	pCi/L	U	UF	ASTM 5811	SMP	0.11	0.35
BDD-SWSF-073015-F	7/30/15 2:52	SSC	3.676	g/L		UF	D3977-97	SMP		
BDD-SWSF-073015-F	7/30/15 2:52	Th-234	44	pCi/L	U	UF	EPA 901.1	SMP	54	105
BDD-SWSF-073015-F	7/30/15 2:52	Tl-208	1.5	pCi/L	U	UF	EPA 901.1	SMP	6.5	11.1
BDD-SWSF-073015-F	7/30/15 2:52	U-234	4.77	pCi/L		10F	HASL-300	SMP	0.43	0.05
BDD-SWSF-073015-F	7/30/15 2:52	U-234	0.79	pCi/g		Dry Weight	HASL-300	SMP	0.066	0.002
BDD-SWSF-073015-F	7/30/15 2:52	U-235	0.205	pCi/L		10F	HASL-300	SMP	0.04	0.017
BDD-SWSF-073015-F	7/30/15 2:52	U-235	0.0343	pCi/g		Dry Weight	HASL-300	SMP	0.0064	0.007
BDD-SWSF-073015-F	7/30/15 2:52	U-238	4.5	pCi/L		10F	HASL-300	SMP	0.4	0.05

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-073015-F	7/30/15 2:52	U-238	0.822	pCi/g		Dry Weight	HASL-300	SMP	0.068	0.006
BDD-SWSF-073015-G	7/30/15 3:22	Ac-228	-5	pCi/L	U	UF	EPA 901.1	SMP	30	51
BDD-SWSF-073015-G	7/30/15 3:22	Am-241	0.0025	pCi/L	U	10F	HASL-300	SMP	0.0086	0.032
BDD-SWSF-073015-G	7/30/15 3:22	Am-241	-0.0007	pCi/g	U	Dry Weight	HASL-300	SMP	0.0049	0.0186
BDD-SWSF-073015-G	7/30/15 3:22	Be-7	-520	pCi/L	U	UF	EPA 901.1	SMP	460	840
BDD-SWSF-073015-G	7/30/15 3:22	Bi-212	17	pCi/L	U	UF	EPA 901.1	SMP	77	132
BDD-SWSF-073015-G	7/30/15 3:22	Bi-214	15	pCi/L	U	UF	EPA 901.1	SMP	11	16
BDD-SWSF-073015-G	7/30/15 3:22	Co-60	2.7	pCi/L	U	UF	EPA 901.1	SMP	6.4	10.9
BDD-SWSF-073015-G	7/30/15 3:22	Cs-134	-2.8	pCi/L	U	UF	EPA 901.1	SMP	5.4	9.6
BDD-SWSF-073015-G	7/30/15 3:22	Cs-137	-2.3	pCi/L	U	UF	EPA 901.1	SMP	5.1	9.1
BDD-SWSF-073015-G	7/30/15 3:22	K-40	13	pCi/L	U	UF	EPA 901.1	SMP	91	155
BDD-SWSF-073015-G	7/30/15 3:22	Na-22	0.8	pCi/L	U	UF	EPA 901.1	SMP	6.5	11.3
BDD-SWSF-073015-G	7/30/15 3:22	Np-237	-0.001	pCi/L	U	10F	HASL-300	SMP	0.011	0.058
BDD-SWSF-073015-G	7/30/15 3:22	Np-237	0.001	pCi/g	U	Dry Weight	HASL-300	SMP	0.0066	0.032
BDD-SWSF-073015-G	7/30/15 3:22	Pa-234m	620	pCi/L	U	UF	EPA 901.1	SMP	850	1400
BDD-SWSF-073015-G	7/30/15 3:22	Pb-212	-1	pCi/L	U	UF	EPA 901.1	SMP	11	18
BDD-SWSF-073015-G	7/30/15 3:22	Pb-214	9	pCi/L	U	UF	EPA 901.1	SMP	14	23
BDD-SWSF-073015-G	7/30/15 3:22	Pu-238	-0.0053	pCi/L	U	10F	HASL-300	SMP	0.0068	0.0385
BDD-SWSF-073015-G	7/30/15 3:22	Pu-238	0.0063	pCi/g	U	Dry Weight	HASL-300	SMP	0.0035	0.0108
BDD-SWSF-073015-G	7/30/15 3:22	Pu-239/240	0.0133	pCi/L	LT	10F	HASL-300	SMP	0.0068	0.009
BDD-SWSF-073015-G	7/30/15 3:22	Pu-239/240	0.009	pCi/g	LT	Dry Weight	HASL-300	SMP	0.0029	0.0024
BDD-SWSF-073015-G	7/30/15 3:22	Ra-226	7.08	pCi/L		UF	EPA 903.1	SMP	0.94	0.25
BDD-SWSF-073015-G	7/30/15 3:22	Ra-228	5.66	pCi/L	M3	UF	EPA 904.0	SMP	0.77	1.23
BDD-SWSF-073015-G	7/30/15 3:22	Sr-90	0.3	pCi/L	U	UF	ASTM 5811	SMP	0.11	0.33
BDD-SWSF-073015-G	7/30/15 3:22	SSC	4.586	g/L		UF	D3977-97	SMP		
BDD-SWSF-073015-G	7/30/15 3:22	Th-234	41	pCi/L	U	UF	EPA 901.1	SMP	88	146
BDD-SWSF-073015-G	7/30/15 3:22	Tl-208	4.9	pCi/L	U	UF	EPA 901.1	SMP	5.8	9.5
BDD-SWSF-073015-G	7/30/15 3:22	U-234	3.86	pCi/L		10F	HASL-300	SMP	0.35	0.01
BDD-SWSF-073015-G	7/30/15 3:22	U-234	1.021	pCi/g		Dry Weight	HASL-300	SMP	0.084	0.008
BDD-SWSF-073015-G	7/30/15 3:22	U-235	0.246	pCi/L		10F	HASL-300	SMP	0.043	0.033
BDD-SWSF-073015-G	7/30/15 3:22	U-235	0.0443	pCi/g		Dry Weight	HASL-300	SMP	0.0076	0.0029
BDD-SWSF-073015-G	7/30/15 3:22	U-238	3.26	pCi/L		10F	HASL-300	SMP	0.3	0.04
BDD-SWSF-073015-G	7/30/15 3:22	U-238	1.053	pCi/g		Dry Weight	HASL-300	SMP	0.087	0.008
BDE073015B	7/30/15 3:30	SSC	3.000	g/L		UF	D3977-97	SMP		
BDD-SWSF-073015-H	7/30/15 3:52	Ac-228	13	pCi/L	U	UF	EPA 901.1	SMP	20	37
BDD-SWSF-073015-H	7/30/15 3:52	Am-241	0.013	pCi/L	U	10F	HASL-300	SMP	0.011	0.038
BDD-SWSF-073015-H	7/30/15 3:52	Am-241	0.0053	pCi/g	U	Dry Weight	HASL-300	SMP	0.0048	0.0164
BDD-SWSF-073015-H	7/30/15 3:52	Be-7	190	pCi/L	U	UF	EPA 901.1	SMP	500	850
BDD-SWSF-073015-H	7/30/15 3:52	Bi-212	20	pCi/L	U	UF	EPA 901.1	SMP	100	180
BDD-SWSF-073015-H	7/30/15 3:52	Bi-214	2	pCi/L	U	UF	EPA 901.1	SMP	19	32
BDD-SWSF-073015-H	7/30/15 3:52	Co-60	0.5	pCi/L	U	UF	EPA 901.1	SMP	6.6	11.8
BDD-SWSF-073015-H	7/30/15 3:52	Cs-134	0.2	pCi/L	U	UF	EPA 901.1	SMP	6.9	11.9
BDD-SWSF-073015-H	7/30/15 3:52	Cs-137	7.8	pCi/L	U	UF	EPA 901.1	SMP	6	9.3
BDD-SWSF-073015-H	7/30/15 3:52	Gross alpha	85.7	pCi/L	M3	UF	EPA 900.0	SMP	7.9	7.1
BDD-SWSF-073015-H	7/30/15 3:52	Gross beta	80.3	pCi/L	M3	UF	EPA 900.0	SMP	7.5	10.9
BDD-SWSF-073015-H	7/30/15 3:52	K-40	20	pCi/L	U	UF	EPA 901.1	SMP	120	200
BDD-SWSF-073015-H	7/30/15 3:52	Na-22	0.7	pCi/L	U	UF	EPA 901.1	SMP	7.2	12.7
BDD-SWSF-073015-H	7/30/15 3:52	Np-237	0.013	pCi/L	U	10F	HASL-300	SMP	0.013	0.053
BDD-SWSF-073015-H	7/30/15 3:52	Np-237	0.0022	pCi/g	U	Dry Weight	HASL-300	SMP	0.0049	0.0232
BDD-SWSF-073015-H	7/30/15 3:52	Pa-234m	900	pCi/L	U	UF	EPA 901.1	SMP	1100	1700
BDD-SWSF-073015-H	7/30/15 3:52	Pb-212	8	pCi/L	U	UF	EPA 901.1	SMP	14	23
BDD-SWSF-073015-H	7/30/15 3:52	Pb-214	7	pCi/L	U	UF	EPA 901.1	SMP	12	19
BDD-SWSF-073015-H	7/30/15 3:52	Pu-238	0.023	pCi/L	U	10F	HASL-300	SMP	0.013	0.036
BDD-SWSF-073015-H	7/30/15 3:52	Pu-238	0.0108	pCi/g	LT	Dry Weight	HASL-300	SMP	0.0032	0.0024
BDD-SWSF-073015-H	7/30/15 3:52	Pu-239/240	0.012	pCi/L	U	10F	HASL-300	SMP	0.01	0.036

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-073015-H	7/30/15 3:52	Pu-239/240	0.0206	pCi/g		Dry Weight	HASL-300	SMP	0.0049	0.0083
BDD-SWSF-073015-H	7/30/15 3:52	Ra-226	5.35	pCi/L		UF	EPA 903.1	SMP	0.75	0.31
BDD-SWSF-073015-H	7/30/15 3:52	Ra-228	4.09	pCi/L	M3	UF	EPA 904.0	SMP	0.65	1.53
BDD-SWSF-073015-H	7/30/15 3:52	Sr-90	0.313	pCi/L	LT	UF	ASTM 5811	SMP	0.099	0.299
BDD-SWSF-073015-H	7/30/15 3:52	SSC	2.088	g/L		UF	D3977-97	SMP		
BDD-SWSF-073015-H	7/30/15 3:52	Th-234	-20	pCi/L	U	UF	EPA 901.1	SMP	67	114
BDD-SWSF-073015-H	7/30/15 3:52	Tl-208	3.5	pCi/L	U	UF	EPA 901.1	SMP	7.2	12.1
BDD-SWSF-073015-H	7/30/15 3:52	U-234	3.24	pCi/L		10F	HASL-300	SMP	0.3	0.05
BDD-SWSF-073015-H	7/30/15 3:52	U-234	1.057	pCi/g		Dry Weight	HASL-300	SMP	0.088	0.007
BDD-SWSF-073015-H	7/30/15 3:52	U-235	0.154	pCi/L		10F	HASL-300	SMP	0.035	0.048
BDD-SWSF-073015-H	7/30/15 3:52	U-235	0.0435	pCi/g		Dry Weight	HASL-300	SMP	0.0079	0.0082
BDD-SWSF-073015-H	7/30/15 3:52	U-238	2.64	pCi/L		10F	HASL-300	SMP	0.25	0.05
BDD-SWSF-073015-H	7/30/15 3:52	U-238	1.106	pCi/g		Dry Weight	HASL-300	SMP	0.091	0.007
BDD-SWSF-073015-I	7/30/15 4:22	Ac-228	9	pCi/L	U	UF	EPA 901.1	SMP	24	40
BDD-SWSF-073015-I	7/30/15 4:22	Am-241	0.012	pCi/L	U	UF	HASL-300	SMP	0.013	0.047
BDD-SWSF-073015-I	7/30/15 4:22	Be-7	-210	pCi/L	U	UF	EPA 901.1	SMP	470	820
BDD-SWSF-073015-I	7/30/15 4:22	Bi-212	46	pCi/L	U	UF	EPA 901.1	SMP	77	129
BDD-SWSF-073015-I	7/30/15 4:22	Bi-214	13	pCi/L	U	UF	EPA 901.1	SMP	18	30
BDD-SWSF-073015-I	7/30/15 4:22	Co-60	1.1	pCi/L	U	UF	EPA 901.1	SMP	5.5	9.6
BDD-SWSF-073015-I	7/30/15 4:22	Cs-134	1.5	pCi/L	U	UF	EPA 901.1	SMP	9.1	15.3
BDD-SWSF-073015-I	7/30/15 4:22	Cs-137	1.3	pCi/L	U	UF	EPA 901.1	SMP	4.9	8.4
BDD-SWSF-073015-I	7/30/15 4:22	Gross alpha	68.8	pCi/L	M3	UF	EPA 900.0	SMP	6.7	8
BDD-SWSF-073015-I	7/30/15 4:22	Gross beta	79	pCi/L	M3	UF	EPA 900.0	SMP	7.5	11.3
BDD-SWSF-073015-I	7/30/15 4:22	K-40	45	pCi/L	U	UF	EPA 901.1	SMP	91	152
BDD-SWSF-073015-I	7/30/15 4:22	Na-22	3.6	pCi/L	U	UF	EPA 901.1	SMP	5.3	8.8
BDD-SWSF-073015-I	7/30/15 4:22	Np-237	0.029	pCi/L	U	UF	HASL-300	SMP	0.02	0.068
BDD-SWSF-073015-I	7/30/15 4:22	Pa-234m	370	pCi/L	U	UF	EPA 901.1	SMP	820	1390
BDD-SWSF-073015-I	7/30/15 4:22	Pb-212	-3	pCi/L	U	UF	EPA 901.1	SMP	15	25
BDD-SWSF-073015-I	7/30/15 4:22	Pb-214	1	pCi/L	U	UF	EPA 901.1	SMP	16	26
BDD-SWSF-073015-I	7/30/15 4:22	Pu-238	0.0208	pCi/L	U	UF	HASL-300	SMP	0.0093	0.0249
BDD-SWSF-073015-I	7/30/15 4:22	Pu-239/240	0.024	pCi/L	U	UF	HASL-300	SMP	0.01	0.029
BDD-SWSF-073015-I	7/30/15 4:22	Ra-226	4.39	pCi/L		UF	EPA 903.1	SMP	0.61	0.26
BDD-SWSF-073015-I	7/30/15 4:22	Ra-228	4.48	pCi/L	M3	UF	EPA 904.0	SMP	0.64	1.21
BDD-SWSF-073015-I	7/30/15 4:22	Sr-90	0.21	pCi/L	U	UF	ASTM 5811	SMP	0.12	0.37
BDD-SWSF-073015-I	7/30/15 4:22	SSC	2.305	g/L		UF	D3977-97	SMP		
BDD-SWSF-073015-I	7/30/15 4:22	Th-234	50	pCi/L	U	UF	EPA 901.1	SMP	150	250
BDD-SWSF-073015-I	7/30/15 4:22	Tl-208	-0.8	pCi/L	U	UF	EPA 901.1	SMP	8.2	14.1
BDD-SWSF-073015-I	7/30/15 4:22	U-234	5.1	pCi/L		UF	HASL-300	SMP	0.43	0.03
BDD-SWSF-073015-I	7/30/15 4:22	U-235	0.251	pCi/L		UF	HASL-300	SMP	0.04	0.013
BDD-SWSF-073015-I	7/30/15 4:22	U-238	5.14	pCi/L		UF	HASL-300	SMP	0.43	0.03
BDE073015E	7/30/15 5:00	SSC	2.400	g/L		UF	D3977-97	SMP		
BDD-SWSF-073015-J	7/30/15 5:22	SSC	2.566	g/L		UF	D3977-97	SMP		
BDD-SWSF-073115-A	7/31/15 15:53	Ac-228	7.8	pCi/L	U	UF	EPA 901.1	SMP	8.9	14.5
BDD-SWSF-073115-A	7/31/15 15:53	Am-241	-0.013	pCi/L	U	UF	HASL-300	SMP	0.01	0.044
BDD-SWSF-073115-A	7/31/15 15:53	Be-7	90	pCi/L	U	UF	EPA 901.1	SMP	190	320
BDD-SWSF-073115-A	7/31/15 15:53	Bi-212	20	pCi/L	U	UF	EPA 901.1	SMP	57	96
BDD-SWSF-073115-A	7/31/15 15:53	Bi-214	15	pCi/L	U	UF	EPA 901.1	SMP	17	28
BDD-SWSF-073115-A	7/31/15 15:53	Co-60	0.5	pCi/L	U	UF	EPA 901.1	SMP	4.1	7.1
BDD-SWSF-073115-A	7/31/15 15:53	Cs-134	-3.1	pCi/L	U	UF	EPA 901.1	SMP	4.5	7.7
BDD-SWSF-073115-A	7/31/15 15:53	Cs-137	0.3	pCi/L	U	UF	EPA 901.1	SMP	4	6.8
BDD-SWSF-073115-A	7/31/15 15:53	K-40	44	pCi/L	U	UF	EPA 901.1	SMP	89	147
BDD-SWSF-073115-A	7/31/15 15:53	Na-22	1.2	pCi/L	U	UF	EPA 901.1	SMP	3.9	6.6
BDD-SWSF-073115-A	7/31/15 15:53	Pa-234m	770	pCi/L	U	UF	EPA 901.1	SMP	640	1030
BDD-SWSF-073115-A	7/31/15 15:53	Pb-212	-2	pCi/L	U	UF	EPA 901.1	SMP	11	18
BDD-SWSF-073115-A	7/31/15 15:53	Pb-214	10	pCi/L	U	UF	EPA 901.1	SMP	13	21

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-073115-A	7/31/15 15:53	Pu-238	0.0084	pCi/L	U	UF	HASL-300	SMP	0.0071	0.0222
BDD-SWSF-073115-A	7/31/15 15:53	Pu-239/240	0.0098	pCi/L	U	UF	HASL-300	SMP	0.0076	0.0273
BDD-SWSF-073115-A	7/31/15 15:53	SSC	1.531	g/L		UF	D3977-97	SMP		
BDD-SWSF-073115-A	7/31/15 15:53	Th-234	-40	pCi/L	U	UF	EPA 901.1	SMP	150	250
BDD-SWSF-073115-A	7/31/15 15:53	Tl-208	5.3	pCi/L	U	UF	EPA 901.1	SMP	4.8	7.7
BDD-SWSF-073115-A	7/31/15 15:53	U-234	1.98	pCi/L		UF	HASL-300	SMP	0.18	0.05
BDD-SWSF-073115-A	7/31/15 15:53	U-235	0.071	pCi/L	LT	UF	HASL-300	SMP	0.02	0.031
BDD-SWSF-073115-A	7/31/15 15:53	U-238	1.8	pCi/L		UF	HASL-300	SMP	0.17	0.01
BDD-SWSF-073115-B	7/31/15 16:53	Ac-228	27	pCi/L	U	UF	EPA 901.1	SMP	39	64
BDD-SWSF-073115-B	7/31/15 16:53	Am-241	-0.041	pCi/L	U,M	UF	HASL-300	SMP	0.04	0.166
BDD-SWSF-073115-B	7/31/15 16:53	Be-7	-70	pCi/L	U	UF	EPA 901.1	SMP	300	510
BDD-SWSF-073115-B	7/31/15 16:53	Bi-212	130	pCi/L	U	UF	EPA 901.1	SMP	100	160
BDD-SWSF-073115-B	7/31/15 16:53	Bi-214	4	pCi/L	U	UF	EPA 901.1	SMP	29	47
BDD-SWSF-073115-B	7/31/15 16:53	Co-60	4.4	pCi/L	U	UF	EPA 901.1	SMP	6.5	10.7
BDD-SWSF-073115-B	7/31/15 16:53	Cs-134	-0.9	pCi/L	U	UF	EPA 901.1	SMP	6.5	11
BDD-SWSF-073115-B	7/31/15 16:53	Cs-137	-2.1	pCi/L	U	UF	EPA 901.1	SMP	5.7	9.7
BDD-SWSF-073115-B	7/31/15 16:53	K-40	70	pCi/L	U	UF	EPA 901.1	SMP	170	280
BDD-SWSF-073115-B	7/31/15 16:53	Na-22	-4.2	pCi/L	U	UF	EPA 901.1	SMP	7	12.3
BDD-SWSF-073115-B	7/31/15 16:53	Pa-234m	760	pCi/L	U	UF	EPA 901.1	SMP	950	1550
BDD-SWSF-073115-B	7/31/15 16:53	Pb-212	5	pCi/L	U	UF	EPA 901.1	SMP	18	29
BDD-SWSF-073115-B	7/31/15 16:53	Pb-214	-2	pCi/L	U	UF	EPA 901.1	SMP	24	40
BDD-SWSF-073115-B	7/31/15 16:53	Pu-238	0.062	pCi/L	U,M	UF	HASL-300	SMP	0.033	0.097
BDD-SWSF-073115-B	7/31/15 16:53	Pu-239/240	0.238	pCi/L		UF	HASL-300	SMP	0.053	0.028
BDD-SWSF-073115-B	7/31/15 16:53	SSC	7.299	g/L		UF	D3977-97	SMP		
BDD-SWSF-073115-B	7/31/15 16:53	Th-234	-80	pCi/L	U	UF	EPA 901.1	SMP	200	330
BDD-SWSF-073115-B	7/31/15 16:53	Tl-208	13.4	pCi/L	NQ	UF	EPA 901.1	SMP	7.1	10.9
BDD-SWSF-073115-B	7/31/15 16:53	U-234	14.6	pCi/L	M3	UF	HASL-300	SMP	1.2	0.1
BDD-SWSF-073115-B	7/31/15 16:53	U-235	0.77	pCi/L		UF	HASL-300	SMP	0.11	0.08
BDD-SWSF-073115-B	7/31/15 16:53	U-238	13.8	pCi/L		UF	HASL-300	SMP	1.1	0
BDD-SWSF-073115-C	7/31/15 17:23	Ac-228	41	pCi/L	U	UF	EPA 901.1	SMP	35	57
BDD-SWSF-073115-C	7/31/15 17:23	Am-241	0.058	pCi/L	U,M	UF	HASL-300	SMP	0.055	0.19
BDD-SWSF-073115-C	7/31/15 17:23	Be-7	170	pCi/L	U	UF	EPA 901.1	SMP	350	590
BDD-SWSF-073115-C	7/31/15 17:23	Bi-212	30	pCi/L	U	UF	EPA 901.1	SMP	110	190
BDD-SWSF-073115-C	7/31/15 17:23	Bi-214	7	pCi/L	U	UF	EPA 901.1	SMP	37	62
BDD-SWSF-073115-C	7/31/15 17:23	Co-60	-3.5	pCi/L	U	UF	EPA 901.1	SMP	9.2	16
BDD-SWSF-073115-C	7/31/15 17:23	Cs-134	0	pCi/L	U	UF	EPA 901.1	SMP	12	21
BDD-SWSF-073115-C	7/31/15 17:23	Cs-137	-5.3	pCi/L	U,M	UF	EPA 901.1	SMP	6.8	11.9
BDD-SWSF-073115-C	7/31/15 17:23	K-40	110	pCi/L	U	UF	EPA 901.1	SMP	190	310
BDD-SWSF-073115-C	7/31/15 17:23	Na-22	-4.6	pCi/L	U	UF	EPA 901.1	SMP	9.4	16.4
BDD-SWSF-073115-C	7/31/15 17:23	Np-237	0	pCi/L	U	UF	HASL-300	SMP	0.029	0.126
BDD-SWSF-073115-C	7/31/15 17:23	Pa-234m	900	pCi/L	U	UF	EPA 901.1	SMP	1300	2100
BDD-SWSF-073115-C	7/31/15 17:23	Pb-212	4	pCi/L	U	UF	EPA 901.1	SMP	22	37
BDD-SWSF-073115-C	7/31/15 17:23	Pb-214	-7	pCi/L	U	UF	EPA 901.1	SMP	30	49
BDD-SWSF-073115-C	7/31/15 17:23	Pu-238	0.106	pCi/L	U,M	UF	HASL-300	SMP	0.043	0.115
BDD-SWSF-073115-C	7/31/15 17:23	Pu-239/240	0.138	pCi/L	M3	UF	HASL-300	SMP	0.047	0.114
BDD-SWSF-073115-C	7/31/15 17:23	Ra-226	36.8	pCi/L	M3	UF	EPA 903.1	DUP	4.8	1.2
BDD-SWSF-073115-C	7/31/15 17:23	Ra-226	18.6	pCi/L	M3	UF	EPA 903.1	SMP	2.6	1.2
BDD-SWSF-073115-C	7/31/15 17:23	Ra-228	20.4	pCi/L	M3	UF	EPA 904.0	DUP	2.9	5.4
BDD-SWSF-073115-C	7/31/15 17:23	Ra-228	18.7	pCi/L	M3	UF	EPA 904.0	SMP	2.7	5.4
BDD-SWSF-073115-C	7/31/15 17:23	Sr-90	0.16	pCi/L	U,M	UF	ASTM 5811	SMP	0.44	1.46
BDD-SWSF-073115-C	7/31/15 17:23	SSC	12.419	g/L		UF	D3977-97	SMP		
BDD-SWSF-073115-C	7/31/15 17:23	Th-234	90	pCi/L	U	UF	EPA 901.1	SMP	180	300
BDD-SWSF-073115-C	7/31/15 17:23	Tl-208	6.4	pCi/L	U	UF	EPA 901.1	SMP	8.4	13.7
BDD-SWSF-073115-C	7/31/15 17:23	U-234	21.6	pCi/L	M3	UF	HASL-300	SMP	1.8	0.1
BDD-SWSF-073115-C	7/31/15 17:23	U-235	0.82	pCi/L	M3	UF	HASL-300	SMP	0.14	0.15

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-073115-C	7/31/15 17:23	U-238	21.9	pCi/L		UF	HASL-300	SMP	1.8	0.1
BDD-SWSF-073115-D	7/31/15 17:53	Ac-228	32	pCi/L	U	UF	EPA 901.1	SMP	25	39
BDD-SWSF-073115-D	7/31/15 17:53	Am-241	-0.055	pCi/L	U,M	UF	HASL-300	SMP	0.037	0.162
BDD-SWSF-073115-D	7/31/15 17:53	Be-7	40	pCi/L	U	UF	EPA 901.1	SMP	310	520
BDD-SWSF-073115-D	7/31/15 17:53	Bi-212	111	pCi/L	U	UF	EPA 901.1	SMP	97	156
BDD-SWSF-073115-D	7/31/15 17:53	Bi-214	24	pCi/L	U	UF	EPA 901.1	SMP	28	45
BDD-SWSF-073115-D	7/31/15 17:53	Co-60	1	pCi/L	U	UF	EPA 901.1	SMP	6.6	11.3
BDD-SWSF-073115-D	7/31/15 17:53	Cs-134	-5.8	pCi/L	U	UF	EPA 901.1	SMP	7.1	12.3
BDD-SWSF-073115-D	7/31/15 17:53	Cs-137	-0.2	pCi/L	U	UF	EPA 901.1	SMP	5.9	10
BDD-SWSF-073115-D	7/31/15 17:53	Gross alpha	208	pCi/L	M3	UF	EPA 900.0	SMP	20	22
BDD-SWSF-073115-D	7/31/15 17:53	Gross beta	265	pCi/L	M3	UF	EPA 900.0	SMP	23	23
BDD-SWSF-073115-D	7/31/15 17:53	K-40	50	pCi/L	U	UF	EPA 901.1	SMP	170	280
BDD-SWSF-073115-D	7/31/15 17:53	Na-22	-2.5	pCi/L	U	UF	EPA 901.1	SMP	7	12.2
BDD-SWSF-073115-D	7/31/15 17:53	Np-237	-0.058	pCi/L	U,M	UF	HASL-300	SMP	0.065	0.29
BDD-SWSF-073115-D	7/31/15 17:53	Pa-234m	850	pCi/L	U	UF	EPA 901.1	SMP	990	1620
BDD-SWSF-073115-D	7/31/15 17:53	Pb-212	4	pCi/L	U	UF	EPA 901.1	SMP	19	32
BDD-SWSF-073115-D	7/31/15 17:53	Pb-214	12	pCi/L	U	UF	EPA 901.1	SMP	22	36
BDD-SWSF-073115-D	7/31/15 17:53	Pu-238	0.022	pCi/L	U,M	UF	HASL-300	SMP	0.038	0.145
BDD-SWSF-073115-D	7/31/15 17:53	Pu-239/240	0.055	pCi/L	U,M	UF	HASL-300	SMP	0.033	0.102
BDD-SWSF-073115-D	7/31/15 17:53	Ra-226	16.1	pCi/L		UF	EPA 903.1	SMP	2.2	0.9
BDD-SWSF-073115-D	7/31/15 17:53	Ra-228	16.2	pCi/L	M3	UF	EPA 904.0	SMP	2.4	4.7
BDD-SWSF-073115-D	7/31/15 17:53	Sr-90	0.1	pCi/L	U	UF	ASTM 5811	SMP	0.26	0.85
BDD-SWSF-073115-D	7/31/15 17:53	SSC	8.384	g/L		UF	D3977-97	SMP		
BDD-SWSF-073115-D	7/31/15 17:53	Th-234	-30	pCi/L	U	UF	EPA 901.1	SMP	180	310
BDD-SWSF-073115-D	7/31/15 17:53	Tl-208	16.6	pCi/L	NQ	UF	EPA 901.1	SMP	7.1	10.5
BDD-SWSF-073115-D	7/31/15 17:53	U-234	17.2	pCi/L	M3	UF	HASL-300	SMP	1.4	0.1
BDD-SWSF-073115-D	7/31/15 17:53	U-235	0.84	pCi/L	M3	UF	HASL-300	SMP	0.14	0.13
BDD-SWSF-073115-D	7/31/15 17:53	U-238	16.6	pCi/L		UF	HASL-300	SMP	1.4	0.1
BDD-SWSF-073115-E	7/31/15 18:23	Ac-228	48	pCi/L	NQ	UF	EPA 901.1	SMP	22	33
BDD-SWSF-073115-E	7/31/15 18:23	Am-241	0.013	pCi/L	U	10F	HASL-300	SMP	0.01	0.035
BDD-SWSF-073115-E	7/31/15 18:23	Am-241	-0.0025	pCi/g	U	Dry Weight	HASL-300	SMP	0.0037	0.0153
BDD-SWSF-073115-E	7/31/15 18:23	Be-7	180	pCi/L	U	UF	EPA 901.1	SMP	480	800
BDD-SWSF-073115-E	7/31/15 18:23	Bi-212	-22	pCi/L	U	UF	EPA 901.1	SMP	96	164
BDD-SWSF-073115-E	7/31/15 18:23	Bi-214	16	pCi/L	U	UF	EPA 901.1	SMP	18	37
BDD-SWSF-073115-E	7/31/15 18:23	Co-60	-6.5	pCi/L	U	UF	EPA 901.1	SMP	5.8	10.5
BDD-SWSF-073115-E	7/31/15 18:23	Cs-134	-4.6	pCi/L	U	UF	EPA 901.1	SMP	6.6	11.4
BDD-SWSF-073115-E	7/31/15 18:23	Cs-137	-3.4	pCi/L	U	UF	EPA 901.1	SMP	5.3	9.2
BDD-SWSF-073115-E	7/31/15 18:23	K-40	-100	pCi/L	U	UF	EPA 901.1	SMP	170	290
BDD-SWSF-073115-E	7/31/15 18:23	Na-22	1.3	pCi/L	U	UF	EPA 901.1	SMP	6.4	10.9
BDD-SWSF-073115-E	7/31/15 18:23	Np-237	0.007	pCi/L	U	10F	HASL-300	SMP	0.011	0.052
BDD-SWSF-073115-E	7/31/15 18:23	Np-237	0.0026	pCi/g	U	Dry Weight	HASL-300	SMP	0.0042	0.0154
BDD-SWSF-073115-E	7/31/15 18:23	Pa-234m	300	pCi/L	U	UF	EPA 901.1	SMP	870	1460
BDD-SWSF-073115-E	7/31/15 18:23	Pb-212	-1	pCi/L	U	UF	EPA 901.1	SMP	23	38
BDD-SWSF-073115-E	7/31/15 18:23	Pb-214	5	pCi/L	U	UF	EPA 901.1	SMP	26	42
BDD-SWSF-073115-E	7/31/15 18:23	Pu-238	0	pCi/L	U	10F	HASL-300	SMP	0.011	0.045
BDD-SWSF-073115-E	7/31/15 18:23	Pu-238	0.0061	pCi/g	LT	Dry Weight	HASL-300	SMP	0.0023	0.0023
BDD-SWSF-073115-E	7/31/15 18:23	Pu-239/240	0.004	pCi/L	U	10F	HASL-300	SMP	0.011	0.032
BDD-SWSF-073115-E	7/31/15 18:23	Pu-239/240	0.0095	pCi/g	LT	Dry Weight	HASL-300	SMP	0.0032	0.0063
BDD-SWSF-073115-E	7/31/15 18:23	Sr-90	-0.05	pCi/L	U	UF	ASTM 5811	SMP	0.15	0.51
BDD-SWSF-073115-E	7/31/15 18:23	SSC	5.773	g/L		UF	D3977-97	SMP		
BDD-SWSF-073115-E	7/31/15 18:23	Th-234	-30	pCi/L	U	UF	EPA 901.1	SMP	300	500
BDD-SWSF-073115-E	7/31/15 18:23	Tl-208	10.8	pCi/L	U	UF	EPA 901.1	SMP	6.9	10.8
BDD-SWSF-073115-E	7/31/15 18:23	U-234	7.41	pCi/L		10F	HASL-300	SMP	0.64	0.07
BDD-SWSF-073115-E	7/31/15 18:23	U-234	0.967	pCi/g	M3	Dry Weight	HASL-300	SMP	0.083	0.013
BDD-SWSF-073115-E	7/31/15 18:23	U-235	0.395	pCi/L		10F	HASL-300	SMP	0.06	0.043

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-073115-E	7/31/15 18:23	U-235	0.0375	pCi/g		Dry Weight	HASL-300	SMP	0.0078	0.0038
BDD-SWSF-073115-E	7/31/15 18:23	U-238	7.24	pCi/L		10F	HASL-300	SMP	0.63	0.04
BDD-SWSF-073115-E	7/31/15 18:23	U-238	0.985	pCi/g	M3	Dry Weight	HASL-300	SMP	0.084	0.013
BDE073115B	7/31/15 18:31	SSC	5.200	g/L		UF	D3977-97	SMP		
BDD-SWSF-073115-F	7/31/15 18:52	Ac-228	25	pCi/L	U	UF	EPA 901.1	SMP	13	27
BDD-SWSF-073115-F	7/31/15 18:52	Am-241	0.009	pCi/L	U	10F	HASL-300	SMP	0.0098	0.0342
BDD-SWSF-073115-F	7/31/15 18:52	Am-241	0.0031	pCi/g	U	Dry Weight	HASL-300	SMP	0.0052	0.0187
BDD-SWSF-073115-F	7/31/15 18:52	Be-7	-140	pCi/L	U	UF	EPA 901.1	SMP	370	630
BDD-SWSF-073115-F	7/31/15 18:52	Bi-212	68	pCi/L	U	UF	EPA 901.1	SMP	69	112
BDD-SWSF-073115-F	7/31/15 18:52	Bi-214	-13	pCi/L	U	UF	EPA 901.1	SMP	20	34
BDD-SWSF-073115-F	7/31/15 18:52	Co-60	-3	pCi/L	U	UF	EPA 901.1	SMP	4.1	7.4
BDD-SWSF-073115-F	7/31/15 18:52	Cs-134	-6.3	pCi/L	U	UF	EPA 901.1	SMP	4.8	8.3
BDD-SWSF-073115-F	7/31/15 18:52	Cs-137	-3.1	pCi/L	U	UF	EPA 901.1	SMP	3.9	6.8
BDD-SWSF-073115-F	7/31/15 18:52	K-40	110	pCi/L	U	UF	EPA 901.1	SMP	130	210
BDD-SWSF-073115-F	7/31/15 18:52	Na-22	1.7	pCi/L	U	UF	EPA 901.1	SMP	4.4	7.5
BDD-SWSF-073115-F	7/31/15 18:52	Np-237	-0.004	pCi/L	U	10F	HASL-300	SMP	0.015	0.08
BDD-SWSF-073115-F	7/31/15 18:52	Np-237	-0.0006	pCi/g	U	Dry Weight	HASL-300	SMP	0.0043	0.018
BDD-SWSF-073115-F	7/31/15 18:52	Pa-234m	480	pCi/L	U	UF	EPA 901.1	SMP	650	1060
BDD-SWSF-073115-F	7/31/15 18:52	Pb-212	1	pCi/L	U	UF	EPA 901.1	SMP	13	21
BDD-SWSF-073115-F	7/31/15 18:52	Pb-214	-5	pCi/L	U	UF	EPA 901.1	SMP	14	24
BDD-SWSF-073115-F	7/31/15 18:52	Pu-238	0.006	pCi/L	U	10F	HASL-300	SMP	0.011	0.045
BDD-SWSF-073115-F	7/31/15 18:52	Pu-238	0.0029	pCi/g	U	Dry Weight	HASL-300	SMP	0.0024	0.0072
BDD-SWSF-073115-F	7/31/15 18:52	Pu-239/240	-0.006	pCi/L	U	10F	HASL-300	SMP	0.011	0.045
BDD-SWSF-073115-F	7/31/15 18:52	Pu-239/240	0.0058	pCi/g	LT	Dry Weight	HASL-300	SMP	0.0024	0.0026
BDD-SWSF-073115-F	7/31/15 18:52	Ra-226	8.4	pCi/L		UF	EPA 903.1	SMP	1.1	0.4
BDD-SWSF-073115-F	7/31/15 18:52	Ra-228	7.5	pCi/L	M3	UF	EPA 904.0	SMP	1.1	2.1
BDD-SWSF-073115-F	7/31/15 18:52	Sr-90	0.15	pCi/L	U	UF	ASTM 5811	SMP	0.11	0.37
BDD-SWSF-073115-F	7/31/15 18:52	SSC	4.364	g/L		UF	D3977-97	SMP		
BDD-SWSF-073115-F	7/31/15 18:52	Th-234	10	pCi/L	U	UF	EPA 901.1	SMP	110	180
BDD-SWSF-073115-F	7/31/15 18:52	Tl-208	3.5	pCi/L	U	UF	EPA 901.1	SMP	9.6	15.9
BDD-SWSF-073115-F	7/31/15 18:52	U-234	5.85	pCi/L		10F	HASL-300	SMP	0.51	0.04
BDD-SWSF-073115-F	7/31/15 18:52	U-234	1.01	pCi/g		Dry Weight	HASL-300	SMP	0.083	0.002
BDD-SWSF-073115-F	7/31/15 18:52	U-235	0.224	pCi/L		10F	HASL-300	SMP	0.04	0.037
BDD-SWSF-073115-F	7/31/15 18:52	U-235	0.0559	pCi/g		Dry Weight	HASL-300	SMP	0.0087	0.0072
BDD-SWSF-073115-F	7/31/15 18:52	U-238	5.19	pCi/L		10F	HASL-300	SMP	0.45	0.04
BDD-SWSF-073115-F	7/31/15 18:52	U-238	1.05	pCi/g		Dry Weight	HASL-300	SMP	0.086	0.008
BDD-SWSF-073115-G	7/31/15 19:22	Ac-228	22	pCi/L	U	UF	EPA 901.1	SMP	13	23
BDD-SWSF-073115-G	7/31/15 19:22	Am-241	-0.025	pCi/L	U,M	UF	HASL-300	SMP	0.018	0.079
BDD-SWSF-073115-G	7/31/15 19:22	Be-7	50	pCi/L	U	UF	EPA 901.1	SMP	180	300
BDD-SWSF-073115-G	7/31/15 19:22	Bi-212	13	pCi/L	U	UF	EPA 901.1	SMP	58	98
BDD-SWSF-073115-G	7/31/15 19:22	Bi-214	4	pCi/L	U	UF	EPA 901.1	SMP	19	32
BDD-SWSF-073115-G	7/31/15 19:22	Co-60	3.1	pCi/L	U	UF	EPA 901.1	SMP	4.1	6.7
BDD-SWSF-073115-G	7/31/15 19:22	Cs-134	-2.8	pCi/L	U	UF	EPA 901.1	SMP	4.2	7.4
BDD-SWSF-073115-G	7/31/15 19:22	Cs-137	-4.2	pCi/L	U	UF	EPA 901.1	SMP	3.5	6.1
BDD-SWSF-073115-G	7/31/15 19:22	K-40	20	pCi/L	U	UF	EPA 901.1	SMP	110	190
BDD-SWSF-073115-G	7/31/15 19:22	Na-22	-2.1	pCi/L	U	UF	EPA 901.1	SMP	4	7.1
BDD-SWSF-073115-G	7/31/15 19:22	Pa-234m	310	pCi/L	U	UF	EPA 901.1	SMP	370	600
BDD-SWSF-073115-G	7/31/15 19:22	Pb-212	4	pCi/L	U	UF	EPA 901.1	SMP	13	22
BDD-SWSF-073115-G	7/31/15 19:22	Pb-214	-2	pCi/L	U	UF	EPA 901.1	SMP	17	28
BDD-SWSF-073115-G	7/31/15 19:22	Pu-238	0.029	pCi/L	U	UF	HASL-300	SMP	0.014	0.036
BDD-SWSF-073115-G	7/31/15 19:22	Pu-239/240	0.019	pCi/L	U	UF	HASL-300	SMP	0.014	0.045
BDD-SWSF-073115-G	7/31/15 19:22	SSC	3.876	g/L		UF	D3977-97	SMP		
BDD-SWSF-073115-G	7/31/15 19:22	Th-234	219	pCi/L	NQ	UF	EPA 901.1	SMP	91	138
BDD-SWSF-073115-G	7/31/15 19:22	Tl-208	5.2	pCi/L	U	UF	EPA 901.1	SMP	8.3	13.6
BDD-SWSF-073115-G	7/31/15 19:22	U-234	8.55	pCi/L		UF	HASL-300	SMP	0.68	0.03

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-073115-G	7/31/15 19:22	U-235	0.388	pCi/L		UF	HASL-300	SMP	0.053	0.035
BDD-SWSF-073115-G	7/31/15 19:22	U-238	8.67	pCi/L		UF	HASL-300	SMP	0.69	0.03
BDD-SWSF-073115-H	7/31/15 19:53	Ac-228	12	pCi/L	U	UF	EPA 901.1	SMP	18	29
BDD-SWSF-073115-H	7/31/15 19:53	Am-241	-0.035	pCi/L	U,M	UF	HASL-300	SMP	0.015	0.066
BDD-SWSF-073115-H	7/31/15 19:53	Be-7	120	pCi/L	U	UF	EPA 901.1	SMP	230	380
BDD-SWSF-073115-H	7/31/15 19:53	Bi-212	76	pCi/L	U	UF	EPA 901.1	SMP	71	114
BDD-SWSF-073115-H	7/31/15 19:53	Bi-214	13	pCi/L	U	UF	EPA 901.1	SMP	16	26
BDD-SWSF-073115-H	7/31/15 19:53	Co-60	0.3	pCi/L	U	UF	EPA 901.1	SMP	4.8	8.2
BDD-SWSF-073115-H	7/31/15 19:53	Cs-134	-2.4	pCi/L	U	UF	EPA 901.1	SMP	7.1	12.1
BDD-SWSF-073115-H	7/31/15 19:53	Cs-137	-2.6	pCi/L	U	UF	EPA 901.1	SMP	4.2	7.3
BDD-SWSF-073115-H	7/31/15 19:53	K-40	30	pCi/L	U	UF	EPA 901.1	SMP	100	170
BDD-SWSF-073115-H	7/31/15 19:53	Na-22	-1.7	pCi/L	U	UF	EPA 901.1	SMP	5	8.9
BDD-SWSF-073115-H	7/31/15 19:53	Pa-234m	60	pCi/L	U	UF	EPA 901.1	SMP	710	1230
BDD-SWSF-073115-H	7/31/15 19:53	Pb-212	2	pCi/L	U	UF	EPA 901.1	SMP	12	19
BDD-SWSF-073115-H	7/31/15 19:53	Pb-214	8	pCi/L	U	UF	EPA 901.1	SMP	13	22
BDD-SWSF-073115-H	7/31/15 19:53	Pu-238	0.034	pCi/L	LT	UF	HASL-300	SMP	0.015	0.033
BDD-SWSF-073115-H	7/31/15 19:53	Pu-239/240	0.036	pCi/L	U	UF	HASL-300	SMP	0.016	0.041
BDD-SWSF-073115-H	7/31/15 19:53	SSC	3.313	g/L		UF	D3977-97	SMP		
BDD-SWSF-073115-H	7/31/15 19:53	Th-234	10	pCi/L	U	UF	EPA 901.1	SMP	110	180
BDD-SWSF-073115-H	7/31/15 19:53	Tl-208	5.9	pCi/L	U	UF	EPA 901.1	SMP	5.2	8.5
BDD-SWSF-073115-H	7/31/15 19:53	U-234	6.69	pCi/L		UF	HASL-300	SMP	0.56	0.05
BDD-SWSF-073115-H	7/31/15 19:53	U-235	0.253	pCi/L		UF	HASL-300	SMP	0.044	0.046
BDD-SWSF-073115-H	7/31/15 19:53	U-238	6.71	pCi/L		UF	HASL-300	SMP	0.56	0.05
BDE073115E	7/31/15 20:01	SSC	2.700	g/L		UF	D3977-97	SMP		
BDD-SWSF-073115-I	7/31/15 20:53	Ac-228	-6	pCi/L	U	UF	EPA 901.1	SMP	31	53
BDD-SWSF-073115-I	7/31/15 20:53	Am-241	-0.005	pCi/L	U,M	UF	HASL-300	SMP	0.015	0.06
BDD-SWSF-073115-I	7/31/15 20:53	Be-7	-80	pCi/L	U	UF	EPA 901.1	SMP	200	340
BDD-SWSF-073115-I	7/31/15 20:53	Bi-212	-11	pCi/L	U	UF	EPA 901.1	SMP	68	118
BDD-SWSF-073115-I	7/31/15 20:53	Bi-214	22	pCi/L	U	UF	EPA 901.1	SMP	15	24
BDD-SWSF-073115-I	7/31/15 20:53	Co-60	1.3	pCi/L	U	UF	EPA 901.1	SMP	4.2	7.2
BDD-SWSF-073115-I	7/31/15 20:53	Cs-134	-3.1	pCi/L	U	UF	EPA 901.1	SMP	4.8	8.4
BDD-SWSF-073115-I	7/31/15 20:53	Cs-137	-2.6	pCi/L	U	UF	EPA 901.1	SMP	4	7.1
BDD-SWSF-073115-I	7/31/15 20:53	K-40	-30	pCi/L	U	UF	EPA 901.1	SMP	110	190
BDD-SWSF-073115-I	7/31/15 20:53	Na-22	1.6	pCi/L	U	UF	EPA 901.1	SMP	4.7	8
BDD-SWSF-073115-I	7/31/15 20:53	Pa-234m	180	pCi/L	U	UF	EPA 901.1	SMP	630	1070
BDD-SWSF-073115-I	7/31/15 20:53	Pb-212	4.5	pCi/L	U	UF	EPA 901.1	SMP	7	11.6
BDD-SWSF-073115-I	7/31/15 20:53	Pb-214	15	pCi/L	U	UF	EPA 901.1	SMP	14	29
BDD-SWSF-073115-I	7/31/15 20:53	Pu-238	0.011	pCi/L	U	UF	HASL-300	SMP	0.012	0.046
BDD-SWSF-073115-I	7/31/15 20:53	Pu-239/240	0.011	pCi/L	U	UF	HASL-300	SMP	0.011	0.045
BDD-SWSF-073115-I	7/31/15 20:53	SSC	1.859	g/L		UF	D3977-97	SMP		
BDD-SWSF-073115-I	7/31/15 20:53	Th-234	57	pCi/L	U	UF	EPA 901.1	SMP	97	180
BDD-SWSF-073115-I	7/31/15 20:53	Tl-208	3.6	pCi/L	U	UF	EPA 901.1	SMP	7.9	13.1
BDD-SWSF-073115-I	7/31/15 20:53	U-234	3.88	pCi/L		UF	HASL-300	SMP	0.32	0.04
BDD-SWSF-073115-I	7/31/15 20:53	U-235	0.163	pCi/L		UF	HASL-300	SMP	0.028	0.033
BDD-SWSF-073115-I	7/31/15 20:53	U-238	3.84	pCi/L		UF	HASL-300	SMP	0.31	0.01
BDR080815C	8/8/15 20:59	Ac-228	5.5	pCi/L	U	UF	EPA 901.1			
BDR080815C	8/8/15 20:59	Am-241	-56	pCi/L	U	UF	EPA 901.1			
BDR080815C	8/8/15 20:59	Am-241	-0.029	pCi/L	U	UF	HASL-300			
BDR080815C	8/8/15 20:59	Be-7	-21	pCi/L	U	UF	EPA 901.1			
BDR080815C	8/8/15 20:59	Bi-212	43	pCi/L	U	UF	EPA 901.1			
BDR080815C	8/8/15 20:59	Bi-214	-1.3	pCi/L	U	UF	EPA 901.1			
BDR080815C	8/8/15 20:59	Ce-134	-2.6	pCi/L	U	UF	EPA 901.1			
BDR080815C	8/8/15 20:59	Co-60	0.4	pCi/L	U	UF	EPA 901.1			
BDR080815C	8/8/15 20:59	Cs-137	-0.27	pCi/L	U	UF	EPA 901.1			
BDR080815C	8/8/15 20:59	Gross alpha	18	pCi/L		UF	EPA 900.0			

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDR080815C	8/8/15 20:59	Gross beta	27	pCi/L		UF	EPA 900.0			
BDR080815C	8/8/15 20:59	K-40	65	pCi/L	U	UF	EPA 901.1			
BDR080815C	8/8/15 20:59	Na-22	1.5	pCi/L	U	UF	EPA 901.1			
BDR080815C	8/8/15 20:59	Pa-234m	410	pCi/L	U	UF	EPA 901.1			
BDR080815C	8/8/15 20:59	Pb-212	-0.76	pCi/L	U	UF	EPA 901.1			
BDR080815C	8/8/15 20:59	Pb-214	-5.8	pCi/L	U	UF	EPA 901.1			
BDR080815C	8/8/15 20:59	Pu-238	0.011	pCi/L	U	UF	HASL-300			
BDR080815BS	8/8/15 20:59	Pu-239/240	0.0026	pCi/g	U	UF	HASL-300			
BDR080815C	8/8/15 20:59	Pu-239/240	0.034	pCi/L		UF	HASL-300			
BDR080815C	8/8/15 20:59	Sr-90	0.19	pCi/L	U	UF	ASTM 5811			
BDR080815B	8/8/15 20:59	SSC	1.900	g/L		UF	D3977-97			
BDR080815C	8/8/15 20:59	Th-234	49	pCi/L	U	UF	EPA 901.1			
BDR080815C	8/8/15 20:59	Tl-208	1.5	pCi/L	U	UF	EPA 901.1			
BDR080815E	8/8/15 22:59	Am-241	-0.024	pCi/L	U	UF	HASL-300			
BDR080815E	8/8/15 22:59	Gross alpha	84	pCi/L		UF	EPA 900.0			
BDR080815E	8/8/15 22:59	Gross beta	120	pCi/L		UF	EPA 900.0			
BDR080815E	8/8/15 22:59	Pu-238	0.053	pCi/L	U	UF	HASL-300			
BDR080815E	8/8/15 22:59	Pu-239/240	0.12	pCi/L	U	UF	HASL-300			
BDD-SWBF-090115-A	9/1/15 12:48	Ac-228	5	pCi/L	U	UF	EPA 901.1	DUP	29	50
BDD-SWBF-090115-A	9/1/15 12:48	Ac-228	6	pCi/L	U	UF	EPA 901.1	SMP	24	41
BDD-SWBF-090115-A	9/1/15 12:48	Am-241	-0.0005	pCi/L	U	UF	HASL-300	SMP	0.0082	0.0317
BDD-SWBF-090115-A	9/1/15 12:48	Be-7	110	pCi/L	U	UF	EPA 901.1	DUP	280	480
BDD-SWBF-090115-A	9/1/15 12:48	Be-7	70	pCi/L	U	UF	EPA 901.1	SMP	270	460
BDD-SWBF-090115-A	9/1/15 12:48	Bi-212	44	pCi/L	U	UF	EPA 901.1	DUP	90	152
BDD-SWBF-090115-A	9/1/15 12:48	Bi-212	85	pCi/L	U	UF	EPA 901.1	SMP	84	135
BDD-SWBF-090115-A	9/1/15 12:48	Bi-214	-1	pCi/L	U	UF	EPA 901.1	DUP	16	27
BDD-SWBF-090115-A	9/1/15 12:48	Bi-214	5.1	pCi/L	U	UF	EPA 901.1	SMP	9.5	16
BDD-SWBF-090115-A	9/1/15 12:48	Co-60	1.3	pCi/L	U	UF	EPA 901.1	DUP	5.4	9.4
BDD-SWBF-090115-A	9/1/15 12:48	Co-60	-2.7	pCi/L	U	UF	EPA 901.1	SMP	5.3	10.1
BDD-SWBF-090115-A	9/1/15 12:48	Cs-134	-0.9	pCi/L	U	UF	EPA 901.1	DUP	5.1	9
BDD-SWBF-090115-A	9/1/15 12:48	Cs-134	0.5	pCi/L	U	UF	EPA 901.1	SMP	5.1	8.7
BDD-SWBF-090115-A	9/1/15 12:48	Cs-137	-1.3	pCi/L	U	UF	EPA 901.1	DUP	4.4	8
BDD-SWBF-090115-A	9/1/15 12:48	Cs-137	0.2	pCi/L	U	UF	EPA 901.1	SMP	4.4	7.8
BDD-SWBF-090115-A	9/1/15 12:48	Gross alpha	6.5	pCi/L		UF	EPA 900.0	SMP	1.2	2.8
BDD-SWBF-090115-A	9/1/15 12:48	Gross beta	9.7	pCi/L		UF	EPA 900.0	SMP	1.3	3.3
BDD-SWBF-090115-A	9/1/15 12:48	K-40	16	pCi/L	U	UF	EPA 901.1	DUP	92	157
BDD-SWBF-090115-A	9/1/15 12:48	K-40	-33	pCi/L	U	UF	EPA 901.1	SMP	72	130
BDD-SWBF-090115-A	9/1/15 12:48	Na-22	3	pCi/L	U	UF	EPA 901.1	DUP	5.7	9.6
BDD-SWBF-090115-A	9/1/15 12:48	Na-22	-3.3	pCi/L	U	UF	EPA 901.1	SMP	5.5	10.5
BDD-SWBF-090115-A	9/1/15 12:48	Np-237	-0.0064	pCi/L	U	UF	HASL-300	SMP	0.0066	0.0343
BDD-SWBF-090115-A	9/1/15 12:48	Pa-234m	470	pCi/L	U	UF	EPA 901.1	DUP	820	1380
BDD-SWBF-090115-A	9/1/15 12:48	Pa-234m	650	pCi/L	U	UF	EPA 901.1	SMP	820	1340
BDD-SWBF-090115-A	9/1/15 12:48	Pb-212	-2	pCi/L	U	UF	EPA 901.1	DUP	10	18
BDD-SWBF-090115-A	9/1/15 12:48	Pb-212	-1	pCi/L	U	UF	EPA 901.1	SMP	11	18
BDD-SWBF-090115-A	9/1/15 12:48	Pb-214	4	pCi/L	U	UF	EPA 901.1	DUP	13	22
BDD-SWBF-090115-A	9/1/15 12:48	Pb-214	12.4	pCi/L	U	UF	EPA 901.1	SMP	8.3	12.8
BDD-SWBF-090115-A	9/1/15 12:48	Pu-238	0.0078	pCi/L	U	UF	HASL-300	SMP	0.0087	0.026
BDD-SWBF-090115-A	9/1/15 12:48	Pu-239/240	0.0077	pCi/L	U	UF	HASL-300	SMP	0.0087	0.0259
BDD-SWBF-090115-A	9/1/15 12:48	Ra-226	0.64	pCi/L	LT	UF	EPA 903.1	SMP	0.13	0.18
BDD-SWBF-090115-A	9/1/15 12:48	Ra-228	0.62	pCi/L	Y1,U	UF	EPA 904.0	SMP	0.2	0.77
BDD-SWBF-090115-A	9/1/15 12:48	Sr-90	0.145	pCi/L	U	UF	ASTM 5811	SMP	0.064	0.202
BDD-SWBF-090115-A	9/1/15 12:48	SSC	0.158	g/L		UF	D3977-97	SMP		
BDD-SWBF-090115-A	9/1/15 12:48	Th-234	3	pCi/L	U	UF	EPA 901.1	DUP	58	97
BDD-SWBF-090115-A	9/1/15 12:48	Th-234	13	pCi/L	U	UF	EPA 901.1	SMP	56	93
BDD-SWBF-090115-A	9/1/15 12:48	Tl-208	-3.4	pCi/L	U	UF	EPA 901.1	DUP	7.9	13.8

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWBF-090115-A	9/1/15 12:48	Tl-208	0.5	pCi/L	U	UF	EPA 901.1	SMP	6.4	11
BDD-SWBF-090115-A	9/1/15 12:48	U-234	1.004	pCi/L		UF	HASL-300	SMP	0.095	0.03
BDD-SWBF-090115-A	9/1/15 12:48	U-235	0.045	pCi/L	LT	UF	HASL-300	SMP	0.014	0.027
BDD-SWBF-090115-A	9/1/15 12:48	U-238	0.646	pCi/L		UF	HASL-300	SMP	0.067	0.032
BDD-SWBF-092315-A	9/23/15 13:34	Ac-228	27	pCi/L	U	UF	EPA 901.1	SMP	18	40
BDD-SWBF-092315-A	9/23/15 13:34	Am-241	-0.0151	pCi/L	U	UF	HASL-300	SMP	0.0078	0.0356
BDD-SWBF-092315-A	9/23/15 13:34	Be-7	50	pCi/L	U	UF	EPA 901.1	SMP	250	420
BDD-SWBF-092315-A	9/23/15 13:34	Bi-212	91	pCi/L	U	UF	EPA 901.1	SMP	93	150
BDD-SWBF-092315-A	9/23/15 13:34	Bi-214	4	pCi/L	U	UF	EPA 901.1	SMP	21	35
BDD-SWBF-092315-A	9/23/15 13:34	Co-60	2.3	pCi/L	U	UF	EPA 901.1	SMP	7.5	12.7
BDD-SWBF-092315-A	9/23/15 13:34	Cs-134	-7	pCi/L	U	UF	EPA 901.1	SMP	10	18
BDD-SWBF-092315-A	9/23/15 13:34	Cs-137	-1.7	pCi/L	U	UF	EPA 901.1	SMP	5.7	10
BDD-SWBF-092315-A	9/23/15 13:34	Gross alpha	2.21	pCi/L	U	UF	EPA 900.0	SMP	0.77	2.68
BDD-SWBF-092315-A	9/23/15 13:34	Gross beta	4.99	pCi/L		UF	EPA 900.0	SMP	0.86	2.83
BDD-SWBF-092315-A	9/23/15 13:34	K-40	10	pCi/L	U	UF	EPA 901.1	SMP	140	230
BDD-SWBF-092315-A	9/23/15 13:34	Na-22	-1.6	pCi/L	U	UF	EPA 901.1	SMP	8	14.1
BDD-SWBF-092315-A	9/23/15 13:34	Np-237	0.003	pCi/L	U	UF	HASL-300	SMP	0.01	0.046
BDD-SWBF-092315-A	9/23/15 13:34	Pa-234m	-100	pCi/L	U	UF	EPA 901.1	SMP	1100	1900
BDD-SWBF-092315-A	9/23/15 13:34	Pb-212	4	pCi/L	U	UF	EPA 901.1	SMP	11	18
BDD-SWBF-092315-A	9/23/15 13:34	Pb-214	23	pCi/L	NQ	UF	EPA 901.1	SMP	11	16
BDD-SWBF-092315-A	9/23/15 13:34	Pu-238	0.0108	pCi/L	U	UF	HASL-300	SMP	0.0085	0.0295
BDD-SWBF-092315-A	9/23/15 13:34	Pu-239/240	0.0217	pCi/L	LT	UF	HASL-300	SMP	0.0079	0.0184
BDD-SWBF-092315-A	9/23/15 13:34	Ra-226	0.321	pCi/L	LT	UF	EPA 903.1	SMP	0.087	0.181
BDD-SWBF-092315-A	9/23/15 13:34	Ra-228	0.91	pCi/L	U	UF	EPA 904.0	SMP	0.26	0.96
BDD-SWBF-092315-A	9/23/15 13:34	Sr-90	0.014	pCi/L	U	UF	ASTM 5811	SMP	0.052	0.172
BDD-SWBF-092315-A	9/23/15 13:34	SSC	0.082	g/L		UF	D3977-97	SMP		
BDD-SWBF-092315-A	9/23/15 13:34	Th-234	-10	pCi/L	U	UF	EPA 901.1	SMP	110	180
BDD-SWBF-092315-A	9/23/15 13:34	Tl-208	4.1	pCi/L	U	UF	EPA 901.1	SMP	6.5	10.8
BDD-SWBF-092315-A	9/23/15 13:34	U-234	1.11	pCi/L		UF	HASL-300	SMP	0.11	0.03
BDD-SWBF-092315-A	9/23/15 13:34	U-235	0.036	pCi/L	LT	UF	HASL-300	SMP	0.013	0.029
BDD-SWBF-092315-A	9/23/15 13:34	U-238	0.702	pCi/L		UF	HASL-300	SMP	0.073	0.034
BDD-SWSF-102115-A	10/21/15 18:42	Ac-228	48	pCi/L	NQ	UF	EPA 901.1	SMP	24	37
BDD-SWSF-102115-A	10/21/15 18:42	Am-241	0.0004	pCi/L	U	10F	HASL-300	SMP	0.0093	0.0348
BDD-SWSF-102115-A	10/21/15 18:42	Am-241	0.0049	pCi/g	U	Dry Weight	HASL-300	SMP	0.0048	0.0167
BDD-SWSF-102115-A	10/21/15 18:42	Be-7	-200	pCi/L	U	UF	EPA 901.1	SMP	180	300
BDD-SWSF-102115-A	10/21/15 18:42	Bi-212	134	pCi/L	NQ	UF	EPA 901.1	SMP	85	133
BDD-SWSF-102115-A	10/21/15 18:42	Bi-214	-4	pCi/L	U	UF	EPA 901.1	SMP	29	48
BDD-SWSF-102115-A	10/21/15 18:42	Co-60	1.7	pCi/L	U	UF	EPA 901.1	SMP	6.4	10.9
BDD-SWSF-102115-A	10/21/15 18:42	Cs-134	-6	pCi/L	U	UF	EPA 901.1	SMP	5.9	10.1
BDD-SWSF-102115-A	10/21/15 18:42	Cs-137	-1.2	pCi/L	U	UF	EPA 901.1	SMP	5.6	9.6
BDD-SWSF-102115-A	10/21/15 18:42	Gross alpha	165	pCi/L	M3	UF	EPA 900.0	DUP	16	18
BDD-SWSF-102115-A	10/21/15 18:42	Gross alpha	165	pCi/L	M3	UF	EPA 900.0	SMP	16	16
BDD-SWSF-102115-A	10/21/15 18:42	Gross beta	214	pCi/L	M3	UF	EPA 900.0	DUP	19	23
BDD-SWSF-102115-A	10/21/15 18:42	Gross beta	204	pCi/L	M3	UF	EPA 900.0	SMP	18	24
BDD-SWSF-102115-A	10/21/15 18:42	K-40	10	pCi/L	U	UF	EPA 901.1	SMP	150	260
BDD-SWSF-102115-A	10/21/15 18:42	Na-22	-1.4	pCi/L	U	UF	EPA 901.1	SMP	6.5	11.1
BDD-SWSF-102115-A	10/21/15 18:42	Np-237	-0.027	pCi/L	U	10F	HASL-300	SMP	0.019	0.113
BDD-SWSF-102115-A	10/21/15 18:42	Np-237	-0.0022	pCi/g	U	Dry Weight	HASL-300	SMP	0.0044	0.025
BDD-SWSF-102115-A	10/21/15 18:42	Pa-234m	370	pCi/L	U	UF	EPA 901.1	SMP	930	1550
BDD-SWSF-102115-A	10/21/15 18:42	Pb-212	2	pCi/L	U	UF	EPA 901.1	SMP	16	26
BDD-SWSF-102115-A	10/21/15 18:42	Pb-214	-13	pCi/L	U	UF	EPA 901.1	SMP	21	35
BDD-SWSF-102115-A	10/21/15 18:42	Pu-238	-0.002	pCi/L	U	10F	HASL-300	SMP	0.011	0.034
BDD-SWSF-102115-A	10/21/15 18:42	Pu-238	0.0082	pCi/g	U	Dry Weight	HASL-300	SMP	0.0038	0.011
BDD-SWSF-102115-A	10/21/15 18:42	Pu-239/240	0.016	pCi/L	U	10F	HASL-300	SMP	0.012	0.034
BDD-SWSF-102115-A	10/21/15 18:42	Pu-239/240	0.0127	pCi/g	LT	Dry Weight	HASL-300	SMP	0.0038	0.0067

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-102115-A	10/21/15 18:42	Ra-226	10.8	pCi/L		UF	EPA 903.1	SMP	1.5	0.5
BDD-SWSF-102115-A	10/21/15 18:42	Ra-228	12.5	pCi/L	M3	UF	EPA 904.0	SMP	1.7	2.7
BDD-SWSF-102115-A	10/21/15 18:42	Sr-90	0.33	pCi/L	U	UF	ASTM 5811	SMP	0.15	0.46
BDD-SWSF-102115-A	10/21/15 18:42	SSC	6.456	g/L		UF	D3977-97	SMP		
BDD-SWSF-102115-A	10/21/15 18:42	Th-234	10	pCi/L	U	UF	EPA 901.1	SMP	140	240
BDD-SWSF-102115-A	10/21/15 18:42	Tl-208	6	pCi/L	U	UF	EPA 901.1	SMP	14	23
BDD-SWSF-102115-A	10/21/15 18:42	U-234	4.38	pCi/L		10F	HASL-300	SMP	0.39	0.08
BDD-SWSF-102115-A	10/21/15 18:42	U-234	0.89	pCi/g		Dry Weight	HASL-300	SMP	0.074	0.006
BDD-SWSF-102115-A	10/21/15 18:42	U-235	0.181	pCi/L		10F	HASL-300	SMP	0.038	0.053
BDD-SWSF-102115-A	10/21/15 18:42	U-235	0.0414	pCi/g		Dry Weight	HASL-300	SMP	0.0075	0.0094
BDD-SWSF-102115-A	10/21/15 18:42	U-238	3.96	pCi/L		10F	HASL-300	SMP	0.36	0.03
BDD-SWSF-102115-A	10/21/15 18:42	U-238	0.907	pCi/g	M3	Dry Weight	HASL-300	SMP	0.075	0.01
BDD-SWSF-102115-B	10/21/15 19:12	Ac-228	-1	pCi/L	U	UF	EPA 901.1	SMP	58	98
BDD-SWSF-102115-B	10/21/15 19:12	Am-241	0.069	pCi/L	U,M	UF	HASL-300	SMP	0.063	0.215
BDD-SWSF-102115-B	10/21/15 19:12	Be-7	30	pCi/L	U	UF	EPA 901.1	SMP	120	200
BDD-SWSF-102115-B	10/21/15 19:12	Bi-212	130	pCi/L	U	UF	EPA 901.1	SMP	110	170
BDD-SWSF-102115-B	10/21/15 19:12	Bi-214	45	pCi/L		UF	EPA 901.1	SMP	16	24
BDD-SWSF-102115-B	10/21/15 19:12	Co-60	3.2	pCi/L	U	UF	EPA 901.1	SMP	9.3	15.7
BDD-SWSF-102115-B	10/21/15 19:12	Cs-134	3	pCi/L	U	UF	EPA 901.1	SMP	53	87
BDD-SWSF-102115-B	10/21/15 19:12	Cs-137	-6	pCi/L	U,M	UF	EPA 901.1	SMP	7	12.2
BDD-SWSF-102115-B	10/21/15 19:12	K-40	190	pCi/L	U	UF	EPA 901.1	SMP	200	320
BDD-SWSF-102115-B	10/21/15 19:12	Na-22	-1.5	pCi/L	U	UF	EPA 901.1	SMP	8.7	15
BDD-SWSF-102115-B	10/21/15 19:12	Np-237	0.035	pCi/L	U	UF	HASL-300	SMP	0.035	0.125
BDD-SWSF-102115-B	10/21/15 19:12	Pa-234m	1100	pCi/L	U	UF	EPA 901.1	SMP	1300	2100
BDD-SWSF-102115-B	10/21/15 19:12	Pb-212	14.4	pCi/L	U	UF	EPA 901.1	SMP	9.4	14.9
BDD-SWSF-102115-B	10/21/15 19:12	Pb-214	23	pCi/L	U	UF	EPA 901.1	SMP	22	35
BDD-SWSF-102115-B	10/21/15 19:12	Pu-238	0.119	pCi/L	M3	UF	HASL-300	SMP	0.042	0.087
BDD-SWSF-102115-B	10/21/15 19:12	Pu-239/240	0.142	pCi/L	M3	UF	HASL-300	SMP	0.049	0.11
BDD-SWSF-102115-B	10/21/15 19:12	Sr-90	0.08	pCi/L	U,M	UF	ASTM 5811	SMP	0.43	1.44
BDD-SWSF-102115-B	10/21/15 19:12	SSC	9.430	g/L		UF	D3977-97	SMP		
BDD-SWSF-102115-B	10/21/15 19:12	Th-234	10	pCi/L	U	UF	EPA 901.1	SMP	180	310
BDD-SWSF-102115-B	10/21/15 19:12	Tl-208	0	pCi/L	U	UF	EPA 901.1	SMP	16	27
BDD-SWSF-102115-B	10/21/15 19:12	U-234	14.4	pCi/L	M3	UF	HASL-300	SMP	1.2	0.1
BDD-SWSF-102115-B	10/21/15 19:12	U-235	0.57	pCi/L		UF	HASL-300	SMP	0.12	0.06
BDD-SWSF-102115-B	10/21/15 19:12	U-238	15.4	pCi/L	M3	UF	HASL-300	SMP	1.3	0.2
BDD-SWSF-102115-C	10/21/15 19:41	Ac-228	17	pCi/L	U	UF	EPA 901.1	SMP	44	72
BDD-SWSF-102115-C	10/21/15 19:41	Am-241	-0.104	pCi/L	U,M	UF	HASL-300	SMP	0.075	0.324
BDD-SWSF-102115-C	10/21/15 19:41	Be-7	47	pCi/L	U	UF	EPA 901.1	SMP	86	142
BDD-SWSF-102115-C	10/21/15 19:41	Bi-212	6	pCi/L	U	UF	EPA 901.1	SMP	75	127
BDD-SWSF-102115-C	10/21/15 19:41	Bi-214	39	pCi/L	U	UF	EPA 901.1	SMP	20	40
BDD-SWSF-102115-C	10/21/15 19:41	Co-60	0.8	pCi/L	U	UF	EPA 901.1	SMP	6.2	10.6
BDD-SWSF-102115-C	10/21/15 19:41	Cs-134	-6.6	pCi/L	U	UF	EPA 901.1	SMP	5.6	9.8
BDD-SWSF-102115-C	10/21/15 19:41	Cs-137	0.6	pCi/L	U	UF	EPA 901.1	SMP	5.2	8.8
BDD-SWSF-102115-C	10/21/15 19:41	K-40	90	pCi/L	U	UF	EPA 901.1	SMP	150	250
BDD-SWSF-102115-C	10/21/15 19:41	Na-22	-1.5	pCi/L	U	UF	EPA 901.1	SMP	6.4	11
BDD-SWSF-102115-C	10/21/15 19:41	Pa-234m	350	pCi/L	U	UF	EPA 901.1	SMP	920	1550
BDD-SWSF-102115-C	10/21/15 19:41	Pb-212	-3	pCi/L	U	UF	EPA 901.1	SMP	16	27
BDD-SWSF-102115-C	10/21/15 19:41	Pb-214	32	pCi/L	U	UF	EPA 901.1	SMP	18	36
BDD-SWSF-102115-C	10/21/15 19:41	Pu-238	0.051	pCi/L	U,M	UF	HASL-300	SMP	0.045	0.159
BDD-SWSF-102115-C	10/21/15 19:41	Pu-239/240	0.085	pCi/L	U,M	UF	HASL-300	SMP	0.062	0.205
BDD-SWSF-102115-C	10/21/15 19:41	SSC	14.675	g/L		UF	D3977-97	SMP		
BDD-SWSF-102115-C	10/21/15 19:41	Th-234	0	pCi/L	U	UF	EPA 901.1	SMP	160	260
BDD-SWSF-102115-C	10/21/15 19:41	Tl-208	11.9	pCi/L	NQ	UF	EPA 901.1	SMP	5.8	8.8
BDD-SWSF-102115-C	10/21/15 19:41	U-234	22.7	pCi/L	M3	UF	HASL-300	SMP	1.8	0.1
BDD-SWSF-102115-C	10/21/15 19:41	U-235	1.31	pCi/L		UF	HASL-300	SMP	0.19	0.05

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-102115-C	10/21/15 19:41	U-238	22.7	pCi/L	M3	UF	HASL-300	SMP	1.8	0.1
BDD-SWSF-102115-D	10/21/15 20:12	Ac-228	120	pCi/L	U	UF	EPA 901.1	SMP	100	160
BDD-SWSF-102115-D	10/21/15 20:12	Am-241	0.007	pCi/L	U	10F	HASL-300	SMP	0.012	0.043
BDD-SWSF-102115-D	10/21/15 20:12	Am-241	0.0044	pCi/g	U	Dry Weight	HASL-300	SMP	0.0041	0.0142
BDD-SWSF-102115-D	10/21/15 20:12	Be-7	400	pCi/L	U	UF	EPA 901.1	SMP	740	1220
BDD-SWSF-102115-D	10/21/15 20:12	Bi-212	290	pCi/L	U	UF	EPA 901.1	SMP	360	590
BDD-SWSF-102115-D	10/21/15 20:12	Bi-214	10	pCi/L	U	UF	EPA 901.1	SMP	120	200
BDD-SWSF-102115-D	10/21/15 20:12	Co-60	-14	pCi/L	U	UF	EPA 901.1	SMP	29	51
BDD-SWSF-102115-D	10/21/15 20:12	Cs-134	32	pCi/L	U	UF	EPA 901.1	SMP	24	37
BDD-SWSF-102115-D	10/21/15 20:12	Cs-137	-1	pCi/L	U,M	UF	EPA 901.1	SMP	25	42
BDD-SWSF-102115-D	10/21/15 20:12	Gross alpha	701	pCi/L	M3	UF	EPA 900.0	SMP	66	70
BDD-SWSF-102115-D	10/21/15 20:12	Gross beta	799	pCi/L	M3	UF	EPA 900.0	SMP	70	77
BDD-SWSF-102115-D	10/21/15 20:12	K-40	360	pCi/L	U	UF	EPA 901.1	SMP	680	1120
BDD-SWSF-102115-D	10/21/15 20:12	Na-22	18	pCi/L	U	UF	EPA 901.1	SMP	29	48
BDD-SWSF-102115-D	10/21/15 20:12	Np-237	0.004	pCi/L	U	10F	HASL-300	SMP	0.014	0.068
BDD-SWSF-102115-D	10/21/15 20:12	Np-237	0.0015	pCi/g	U	Dry Weight	HASL-300	SMP	0.0049	0.023
BDD-SWSF-102115-D	10/21/15 20:12	Pa-234m	-3400	pCi/L	U	UF	EPA 901.1	SMP	4200	7400
BDD-SWSF-102115-D	10/21/15 20:12	Pb-212	39	pCi/L	U	UF	EPA 901.1	SMP	76	126
BDD-SWSF-102115-D	10/21/15 20:12	Pb-214	-48	pCi/L	U	UF	EPA 901.1	SMP	87	146
BDD-SWSF-102115-D	10/21/15 20:12	Pu-238	0.017	pCi/L	U	10F	HASL-300	SMP	0.01	0.036
BDD-SWSF-102115-D	10/21/15 20:12	Pu-238	0.0076	pCi/g	LT	Dry Weight	HASL-300	SMP	0.0025	0.0021
BDD-SWSF-102115-D	10/21/15 20:12	Pu-239/240	0.006	pCi/L	U	10F	HASL-300	SMP	0.0067	0.0259
BDD-SWSF-102115-D	10/21/15 20:12	Pu-239/240	0.0083	pCi/g	LT	Dry Weight	HASL-300	SMP	0.0026	0.002
BDD-SWSF-102115-D	10/21/15 20:12	Ra-226	35.8	pCi/L	M3	UF	EPA 903.1	SMP	4.9	1.6
BDD-SWSF-102115-D	10/21/15 20:12	Ra-228	57.3	pCi/L	M3	UF	EPA 904.0	SMP	7.4	9.3
BDD-SWSF-102115-D	10/21/15 20:12	Sr-90	0.23	pCi/L	U,M	UF	ASTM 5811	DUP	0.56	1.85
BDD-SWSF-102115-D	10/21/15 20:12	Sr-90	0.64	pCi/L	U,M	UF	ASTM 5811	SMP	0.59	1.92
BDD-SWSF-102115-D	10/21/15 20:12	SSC	31.483	g/L		UF	D3977-97	SMP		
BDD-SWSF-102115-D	10/21/15 20:12	Th-234	290	pCi/L	U	UF	EPA 901.1	SMP	620	1030
BDD-SWSF-102115-D	10/21/15 20:12	Tl-208	1	pCi/L	U	UF	EPA 901.1	SMP	58	97
BDD-SWSF-102115-D	10/21/15 20:12	U-234	2	pCi/L		10F	HASL-300	SMP	0.19	0.06
BDD-SWSF-102115-D	10/21/15 20:12	U-234	0.54	pCi/g		Dry Weight	HASL-300	SMP	0.047	0.009
BDD-SWSF-102115-D	10/21/15 20:12	U-235	0.071	pCi/L	LT	10F	HASL-300	SMP	0.022	0.04
BDD-SWSF-102115-D	10/21/15 20:12	U-235	0.0254	pCi/g		Dry Weight	HASL-300	SMP	0.0058	0.0094
BDD-SWSF-102115-D	10/21/15 20:12	U-238	1.71	pCi/L		10F	HASL-300	SMP	0.17	0.03
BDD-SWSF-102115-D	10/21/15 20:12	U-238	0.56	pCi/g		Dry Weight	HASL-300	SMP	0.049	0.002
BDD-SWSF-102115-E	10/21/15 20:42	Ac-228	70	pCi/L	U	UF	EPA 901.1	SMP	150	250
BDD-SWSF-102115-E	10/21/15 20:42	Am-241	0.0026	pCi/L	U	10F	HASL-300	SMP	0.0087	0.0322
BDD-SWSF-102115-E	10/21/15 20:42	Am-241	0.0124	pCi/g	U	Dry Weight	HASL-300	SMP	0.0052	0.0153
BDD-SWSF-102115-E	10/21/15 20:42	Be-7	-70	pCi/L	U	UF	EPA 901.1	SMP	540	930
BDD-SWSF-102115-E	10/21/15 20:42	Bi-212	490	pCi/L	U	UF	EPA 901.1	SMP	310	490
BDD-SWSF-102115-E	10/21/15 20:42	Bi-214	-14	pCi/L	U	UF	EPA 901.1	SMP	84	140
BDD-SWSF-102115-E	10/21/15 20:42	Co-60	-2	pCi/L	U	UF	EPA 901.1	SMP	21	36
BDD-SWSF-102115-E	10/21/15 20:42	Cs-134	-14	pCi/L	U	UF	EPA 901.1	SMP	21	36
BDD-SWSF-102115-E	10/21/15 20:42	Cs-137	-22	pCi/L	U,M	UF	EPA 901.1	SMP	19	33
BDD-SWSF-102115-E	10/21/15 20:42	Gross alpha	740	pCi/L	M3	UF	EPA 900.0	SMP	68	66
BDD-SWSF-102115-E	10/21/15 20:42	Gross beta	699	pCi/L	M3	UF	EPA 900.0	SMP	63	77
BDD-SWSF-102115-E	10/21/15 20:42	K-40	-10	pCi/L	U	UF	EPA 901.1	SMP	500	840
BDD-SWSF-102115-E	10/21/15 20:42	Na-22	-1	pCi/L	U	UF	EPA 901.1	SMP	21	36
BDD-SWSF-102115-E	10/21/15 20:42	Np-237	-0.01	pCi/L	U	10F	HASL-300	SMP	0.012	0.053
BDD-SWSF-102115-E	10/21/15 20:42	Np-237	-0.0089	pCi/g	U	Dry Weight	HASL-300	SMP	0.0078	0.0393
BDD-SWSF-102115-E	10/21/15 20:42	Pa-234m	1400	pCi/L	U	UF	EPA 901.1	SMP	3200	5300
BDD-SWSF-102115-E	10/21/15 20:42	Pb-212	40	pCi/L	U	UF	EPA 901.1	SMP	58	99
BDD-SWSF-102115-E	10/21/15 20:42	Pb-214	-28	pCi/L	U	UF	EPA 901.1	SMP	69	115
BDD-SWSF-102115-E	10/21/15 20:42	Pu-238	0.0192	pCi/L	LT	10F	HASL-300	SMP	0.0066	0.0058

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-102115-E	10/21/15 20:42	Pu-238	0.0191	pCi/g	LT	Dry Weight	HASL-300	SMP	0.0072	0.0153
BDD-SWSF-102115-E	10/21/15 20:42	Pu-239/240	0.0128	pCi/L	U	10F	HASL-300	SMP	0.0068	0.0198
BDD-SWSF-102115-E	10/21/15 20:42	Pu-239/240	0.0015	pCi/g	U	Dry Weight	HASL-300	SMP	0.0042	0.0127
BDD-SWSF-102115-E	10/21/15 20:42	Ra-226	55.2	pCi/L	M3	UF	EPA 903.1	SMP	7.2	1.8
BDD-SWSF-102115-E	10/21/15 20:42	Ra-228	38.3	pCi/L	M3	UF	EPA 904.0	SMP	5.2	8.2
BDD-SWSF-102115-E	10/21/15 20:42	Sr-90	1.99	pCi/L	U,M	UF	ASTM 5811	DUP	0.72	2.21
BDD-SWSF-102115-E	10/21/15 20:42	Sr-90	-0.57	pCi/L	U,M	UF	ASTM 5811	SMP	0.73	2.44
BDD-SWSF-102115-E	10/21/15 20:42	SSC	27.933	g/L		UF	D3977-97	SMP		
BDD-SWSF-102115-E	10/21/15 20:42	Th-234	220	pCi/L	U	UF	EPA 901.1	SMP	280	570
BDD-SWSF-102115-E	10/21/15 20:42	Tl-208	13	pCi/L	U	UF	EPA 901.1	SMP	40	69
BDD-SWSF-102115-E	10/21/15 20:42	U-234	0.95	pCi/L		10F	HASL-300	SMP	0.1	0.03
BDD-SWSF-102115-E	10/21/15 20:42	U-234	0.55	pCi/g	M3	Dry Weight	HASL-300	SMP	0.048	0.016
BDD-SWSF-102115-E	10/21/15 20:42	U-235	0.043	pCi/L	LT	10F	HASL-300	SMP	0.017	0.017
BDD-SWSF-102115-E	10/21/15 20:42	U-235	0.0207	pCi/g		Dry Weight	HASL-300	SMP	0.0052	0.0092
BDD-SWSF-102115-E	10/21/15 20:42	U-238	0.726	pCi/L		10F	HASL-300	SMP	0.086	0.035
BDD-SWSF-102115-E	10/21/15 20:42	U-238	0.567	pCi/g		Dry Weight	HASL-300	SMP	0.049	0.008
BDD-SWSF-102115-F	10/21/15 21:12	Ac-228	98	pCi/L	U	UF	EPA 901.1	SMP	88	142
BDD-SWSF-102115-F	10/21/15 21:12	Am-241	0.0038	pCi/L	U	10F	HASL-300	SMP	0.0093	0.0343
BDD-SWSF-102115-F	10/21/15 21:12	Am-241	-0.004	pCi/g	U	Dry Weight	HASL-300	SMP	0.0037	0.0154
BDD-SWSF-102115-F	10/21/15 21:12	Be-7	210	pCi/L	U	UF	EPA 901.1	SMP	600	1000
BDD-SWSF-102115-F	10/21/15 21:12	Bi-212	150	pCi/L	U	UF	EPA 901.1	SMP	340	570
BDD-SWSF-102115-F	10/21/15 21:12	Bi-214	70	pCi/L	NQ	UF	EPA 901.1	SMP	42	65
BDD-SWSF-102115-F	10/21/15 21:12	Co-60	-1	pCi/L	U	UF	EPA 901.1	SMP	22	39
BDD-SWSF-102115-F	10/21/15 21:12	Cs-134	17	pCi/L	U	UF	EPA 901.1	SMP	21	34
BDD-SWSF-102115-F	10/21/15 21:12	Cs-137	0	pCi/L	U,M	UF	EPA 901.1	SMP	19	32
BDD-SWSF-102115-F	10/21/15 21:12	Gross alpha	557	pCi/L	M3	UF	EPA 900.0	SMP	50	44
BDD-SWSF-102115-F	10/21/15 21:12	Gross beta	553	pCi/L	M3	UF	EPA 900.0	SMP	48	47
BDD-SWSF-102115-F	10/21/15 21:12	K-40	220	pCi/L	U	UF	EPA 901.1	SMP	610	1010
BDD-SWSF-102115-F	10/21/15 21:12	Na-22	11	pCi/L	U	UF	EPA 901.1	SMP	24	40
BDD-SWSF-102115-F	10/21/15 21:12	Np-237	0.01	pCi/L	U	10F	HASL-300	SMP	0.013	0.043
BDD-SWSF-102115-F	10/21/15 21:12	Np-237	0.0072	pCi/g	U	Dry Weight	HASL-300	SMP	0.0061	0.0232
BDD-SWSF-102115-F	10/21/15 21:12	Pa-234m	500	pCi/L	U	UF	EPA 901.1	SMP	3400	5900
BDD-SWSF-102115-F	10/21/15 21:12	Pb-212	34	pCi/L	U	UF	EPA 901.1	SMP	63	104
BDD-SWSF-102115-F	10/21/15 21:12	Pb-214	48	pCi/L	U	UF	EPA 901.1	SMP	39	63
BDD-SWSF-102115-F	10/21/15 21:12	Pu-238	0.0171	pCi/L	LT	10F	HASL-300	SMP	0.0064	0.014
BDD-SWSF-102115-F	10/21/15 21:12	Pu-238	0.019	pCi/g	LT	Dry Weight	HASL-300	SMP	0.0072	0.0153
BDD-SWSF-102115-F	10/21/15 21:12	Pu-239/240	0.0208	pCi/L	LT	10F	HASL-300	SMP	0.008	0.0204
BDD-SWSF-102115-F	10/21/15 21:12	Pu-239/240	0.0115	pCi/g	LT	Dry Weight	HASL-300	SMP	0.0052	0.0062
BDD-SWSF-102115-F	10/21/15 21:12	Ra-226	41.7	pCi/L	M3	UF	EPA 903.1	SMP	5.6	1.9
BDD-SWSF-102115-F	10/21/15 21:12	Ra-228	35.2	pCi/L	M3	UF	EPA 904.0	SMP	5	9.3
BDD-SWSF-102115-F	10/21/15 21:12	Sr-90	0.89	pCi/L	U,M	UF	ASTM 5811	SMP	0.7	2.29
BDD-SWSF-102115-F	10/21/15 21:12	SSC	24.134	g/L		UF	D3977-97	SMP		
BDD-SWSF-102115-F	10/21/15 21:12	Th-234	140	pCi/L	U	UF	EPA 901.1	SMP	350	580
BDD-SWSF-102115-F	10/21/15 21:12	Tl-208	1	pCi/L	U	UF	EPA 901.1	SMP	45	76
BDD-SWSF-102115-F	10/21/15 21:12	U-234	5.52	pCi/L		10F	HASL-300	SMP	0.48	0.03
BDD-SWSF-102115-F	10/21/15 21:12	U-234	0.363	pCi/g	M3	Dry Weight	HASL-300	SMP	0.033	0.01
BDD-SWSF-102115-F	10/21/15 21:12	U-235	0.177	pCi/L		10F	HASL-300	SMP	0.036	0.046
BDD-SWSF-102115-F	10/21/15 21:12	U-235	0.0192	pCi/g		Dry Weight	HASL-300	SMP	0.0048	0.0085
BDD-SWSF-102115-F	10/21/15 21:12	U-238	4.92	pCi/L		10F	HASL-300	SMP	0.43	0.04
BDD-SWSF-102115-F	10/21/15 21:12	U-238	0.406	pCi/g	M3	Dry Weight	HASL-300	SMP	0.036	0.01
BDD-SWSF-102115-G	10/21/15 21:42	Ac-228	-13	pCi/L	U	UF	EPA 901.1	SMP	41	69
BDD-SWSF-102115-G	10/21/15 21:42	Am-241	-0.067	pCi/L	U,M	UF	HASL-300	SMP	0.05	0.214
BDD-SWSF-102115-G	10/21/15 21:42	Be-7	11	pCi/L	U	UF	EPA 901.1	SMP	71	120
BDD-SWSF-102115-G	10/21/15 21:42	Bi-212	41	pCi/L	U	UF	EPA 901.1	SMP	72	119
BDD-SWSF-102115-G	10/21/15 21:42	Bi-214	35	pCi/L		UF	EPA 901.1	SMP	20	32

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-102115-G	10/21/15 21:42	Co-60	-3.1	pCi/L	U	UF	EPA 901.1	SMP	5.5	9.6
BDD-SWSF-102115-G	10/21/15 21:42	Cs-134	-6	pCi/L	U	UF	EPA 901.1	SMP	4.7	8.2
BDD-SWSF-102115-G	10/21/15 21:42	Cs-137	-3.4	pCi/L	U	UF	EPA 901.1	SMP	4.5	7.8
BDD-SWSF-102115-G	10/21/15 21:42	K-40	60	pCi/L	U	UF	EPA 901.1	SMP	130	210
BDD-SWSF-102115-G	10/21/15 21:42	Na-22	-1.1	pCi/L	U	UF	EPA 901.1	SMP	5.4	9.3
BDD-SWSF-102115-G	10/21/15 21:42	Pa-234m	240	pCi/L	U	UF	EPA 901.1	SMP	760	1280
BDD-SWSF-102115-G	10/21/15 21:42	Pb-212	-4	pCi/L	U	UF	EPA 901.1	SMP	15	24
BDD-SWSF-102115-G	10/21/15 21:42	Pb-214	18	pCi/L	U	UF	EPA 901.1	SMP	18	29
BDD-SWSF-102115-G	10/21/15 21:42	Pu-238	0.053	pCi/L	U,M	UF	HASL-300	SMP	0.044	0.148
BDD-SWSF-102115-G	10/21/15 21:42	Pu-239/240	0.115	pCi/L		UF	HASL-300	SMP	0.036	0.028
BDD-SWSF-102115-G	10/21/15 21:42	SSC	22.429	g/L		UF	D3977-97	SMP		
BDD-SWSF-102115-G	10/21/15 21:42	Th-234	19	pCi/L	U	UF	EPA 901.1	SMP	81	135
BDD-SWSF-102115-G	10/21/15 21:42	Tl-208	8.4	pCi/L	NQ	UF	EPA 901.1	SMP	5.1	7.9
BDD-SWSF-102115-G	10/21/15 21:42	U-234	17.4	pCi/L	M3	UF	HASL-300	SMP	1.4	0.1
BDD-SWSF-102115-G	10/21/15 21:42	U-235	0.88	pCi/L	M3	UF	HASL-300	SMP	0.13	0.12
BDD-SWSF-102115-G	10/21/15 21:42	U-238	16.9	pCi/L		UF	HASL-300	SMP	1.4	0.1
BDD-SWSF-102115-H	10/21/15 22:42	Ac-228	45	pCi/L	U	UF	EPA 901.1	SMP	32	55
BDD-SWSF-102115-H	10/21/15 22:42	Am-241	0.015	pCi/L	U	10F	HASL-300	SMP	0.01	0.034
BDD-SWSF-102115-H	10/21/15 22:42	Am-241	-0.0013	pCi/g	U	Dry Weight	HASL-300	SMP	0.0049	0.0193
BDD-SWSF-102115-H	10/21/15 22:42	Be-7	-80	pCi/L	U	UF	EPA 901.1	SMP	340	590
BDD-SWSF-102115-H	10/21/15 22:42	Bi-212	120	pCi/L	U	UF	EPA 901.1	SMP	170	290
BDD-SWSF-102115-H	10/21/15 22:42	Bi-214	39	pCi/L	NQ	UF	EPA 901.1	SMP	24	38
BDD-SWSF-102115-H	10/21/15 22:42	Co-60	5	pCi/L	U	UF	EPA 901.1	SMP	15	25
BDD-SWSF-102115-H	10/21/15 22:42	Cs-134	-8	pCi/L	U	UF	EPA 901.1	SMP	13	22
BDD-SWSF-102115-H	10/21/15 22:42	Cs-137	-3	pCi/L	U,M	UF	EPA 901.1	SMP	11	19
BDD-SWSF-102115-H	10/21/15 22:42	Gross alpha	519	pCi/L	M3	UF	EPA 900.0	SMP	47	41
BDD-SWSF-102115-H	10/21/15 22:42	Gross beta	460	pCi/L	M3	UF	EPA 900.0	SMP	40	44
BDD-SWSF-102115-H	10/21/15 22:42	K-40	170	pCi/L	U	UF	EPA 901.1	SMP	360	590
BDD-SWSF-102115-H	10/21/15 22:42	Na-22	8	pCi/L	U	UF	EPA 901.1	SMP	14	24
BDD-SWSF-102115-H	10/21/15 22:42	Np-237	0.01	pCi/L	U	10F	HASL-300	SMP	0.013	0.044
BDD-SWSF-102115-H	10/21/15 22:42	Np-237	0.013	pCi/g	U	Dry Weight	HASL-300	SMP	0.009	0.0304
BDD-SWSF-102115-H	10/21/15 22:42	Pa-234m	2800	pCi/L	U	UF	EPA 901.1	SMP	2000	3100
BDD-SWSF-102115-H	10/21/15 22:42	Pb-212	8	pCi/L	U	UF	EPA 901.1	SMP	29	48
BDD-SWSF-102115-H	10/21/15 22:42	Pb-214	27	pCi/L	U	UF	EPA 901.1	SMP	20	33
BDD-SWSF-102115-H	10/21/15 22:42	Pu-238	0.0117	pCi/L	U	10F	HASL-300	SMP	0.0071	0.0218
BDD-SWSF-102115-H	10/21/15 22:42	Pu-238	0.0079	pCi/g	LT	Dry Weight	HASL-300	SMP	0.0031	0.0031
BDD-SWSF-102115-H	10/21/15 22:42	Pu-239/240	0.0328	pCi/L	LT	10F	HASL-300	SMP	0.0091	0.0063
BDD-SWSF-102115-H	10/21/15 22:42	Pu-239/240	0.0135	pCi/g	LT	Dry Weight	HASL-300	SMP	0.004	0.0031
BDD-SWSF-102115-H	10/21/15 22:42	Ra-226	29.2	pCi/L		UF	EPA 903.1	SMP	3.8	0.8
BDD-SWSF-102115-H	10/21/15 22:42	Ra-228	21.5	pCi/L	M3	UF	EPA 904.0	SMP	2.9	4.2
BDD-SWSF-102115-H	10/21/15 22:42	Sr-90	0.48	pCi/L	U	UF	ASTM 5811	SMP	0.31	0.99
BDD-SWSF-102115-H	10/21/15 22:42	SSC	13.502	g/L		UF	D3977-97	SMP		
BDD-SWSF-102115-H	10/21/15 22:42	Th-234	-10	pCi/L	U	UF	EPA 901.1	SMP	290	490
BDD-SWSF-102115-H	10/21/15 22:42	Tl-208	6	pCi/L	U	UF	EPA 901.1	SMP	18	30
BDD-SWSF-102115-H	10/21/15 22:42	U-234	6.08	pCi/L		10F	HASL-300	SMP	0.52	0.04
BDD-SWSF-102115-H	10/21/15 22:42	U-234	0.44	pCi/g	M3	Dry Weight	HASL-300	SMP	0.04	0.02
BDD-SWSF-102115-H	10/21/15 22:42	U-235	0.325	pCi/L		10F	HASL-300	SMP	0.051	0.015
BDD-SWSF-102115-H	10/21/15 22:42	U-235	0.0155	pCi/g	M3	Dry Weight	HASL-300	SMP	0.0051	0.0124
BDD-SWSF-102115-H	10/21/15 22:42	U-238	5.98	pCi/L		10F	HASL-300	SMP	0.52	0.04
BDD-SWSF-102115-H	10/21/15 22:42	U-238	0.456	pCi/g		Dry Weight	HASL-300	SMP	0.04	0.006
BDD-SWSF-102115-I	10/21/15 23:41	Ac-228	2	pCi/L	U	UF	EPA 901.1	SMP	45	75
BDD-SWSF-102115-I	10/21/15 23:41	Am-241	-0.006	pCi/L	U,M	UF	HASL-300	SMP	0.06	0.233
BDD-SWSF-102115-I	10/21/15 23:41	Be-7	-36	pCi/L	U	UF	EPA 901.1	SMP	93	159
BDD-SWSF-102115-I	10/21/15 23:41	Bi-212	104	pCi/L	U	UF	EPA 901.1	SMP	75	118
BDD-SWSF-102115-I	10/21/15 23:41	Bi-214	-6	pCi/L	U	UF	EPA 901.1	SMP	27	45

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-102115-I	10/21/15 23:41	Co-60	0	pCi/L	U	UF	EPA 901.1	SMP	5.6	9.6
BDD-SWSF-102115-I	10/21/15 23:41	Cs-134	-6.3	pCi/L	U	UF	EPA 901.1	SMP	5.7	9.9
BDD-SWSF-102115-I	10/21/15 23:41	Cs-137	-5.9	pCi/L	U	UF	EPA 901.1	SMP	5.2	9.1
BDD-SWSF-102115-I	10/21/15 23:41	K-40	170	pCi/L	U	UF	EPA 901.1	SMP	150	240
BDD-SWSF-102115-I	10/21/15 23:41	Na-22	0.8	pCi/L	U	UF	EPA 901.1	SMP	5.6	9.5
BDD-SWSF-102115-I	10/21/15 23:41	Pa-234m	-200	pCi/L	U	UF	EPA 901.1	SMP	1500	2500
BDD-SWSF-102115-I	10/21/15 23:41	Pb-212	5	pCi/L	U	UF	EPA 901.1	SMP	17	29
BDD-SWSF-102115-I	10/21/15 23:41	Pb-214	13	pCi/L	U	UF	EPA 901.1	SMP	21	34
BDD-SWSF-102115-I	10/21/15 23:41	Pu-238	0.129	pCi/L	U,M	UF	HASL-300	SMP	0.058	0.169
BDD-SWSF-102115-I	10/21/15 23:41	Pu-239/240	0.064	pCi/L	U,M	UF	HASL-300	SMP	0.039	0.119
BDD-SWSF-102115-I	10/21/15 23:41	SSC	12.615	g/L		UF	D3977-97	SMP		
BDD-SWSF-102115-I	10/21/15 23:41	Th-234	10	pCi/L	U	UF	EPA 901.1	SMP	250	420
BDD-SWSF-102115-I	10/21/15 23:41	Tl-208	2	pCi/L	U	UF	EPA 901.1	SMP	10	17
BDD-SWSF-102115-I	10/21/15 23:41	U-234	19	pCi/L	M3	UF	HASL-300	SMP	1.5	0.1
BDD-SWSF-102115-I	10/21/15 23:41	U-235	0.88	pCi/L	M3	UF	HASL-300	SMP	0.13	0.12
BDD-SWSF-102115-I	10/21/15 23:41	U-238	19.4	pCi/L	M3	UF	HASL-300	SMP	1.6	0.1
BDD-SWSF-102415-A	10/24/15 0:11	Ac-228	-1	pCi/L	U	UF	EPA 901.1	SMP	30	51
BDD-SWSF-102415-A	10/24/15 0:11	Am-241	0.0101	pCi/L	U	10F	HASL-300	SMP	0.0098	0.0337
BDD-SWSF-102415-A	10/24/15 0:11	Am-241	0.004	pCi/g	U,M	Dry Weight	HASL-300	SMP	0.011	0.039
BDD-SWSF-102415-A	10/24/15 0:11	Be-7	-60	pCi/L	U	UF	EPA 901.1	SMP	160	290
BDD-SWSF-102415-A	10/24/15 0:11	Bi-212	42	pCi/L	U	UF	EPA 901.1	SMP	71	119
BDD-SWSF-102415-A	10/24/15 0:11	Bi-214	6	pCi/L	U	UF	EPA 901.1	SMP	15	25
BDD-SWSF-102415-A	10/24/15 0:11	Co-60	-2.2	pCi/L	U	UF	EPA 901.1	SMP	4.9	9.3
BDD-SWSF-102415-A	10/24/15 0:11	Cs-134	-2	pCi/L	U	UF	EPA 901.1	SMP	5.6	10
BDD-SWSF-102415-A	10/24/15 0:11	Cs-137	-0.8	pCi/L	U	UF	EPA 901.1	SMP	5	8.9
BDD-SWSF-102415-A	10/24/15 0:11	Gross alpha	21.5	pCi/L		UF	EPA 900.0	SMP	2.1	2.7
BDD-SWSF-102415-A	10/24/15 0:11	Gross beta	29.4	pCi/L		UF	EPA 900.0	SMP	2.6	2.7
BDD-SWSF-102415-A	10/24/15 0:11	K-40	-100	pCi/L	U	UF	EPA 901.1	SMP	110	190
BDD-SWSF-102415-A	10/24/15 0:11	Na-22	3.1	pCi/L	U	UF	EPA 901.1	SMP	5.5	9.2
BDD-SWSF-102415-A	10/24/15 0:11	Np-237	-0.011	pCi/L	U	10F	HASL-300	SMP	0.012	0.057
BDD-SWSF-102415-A	10/24/15 0:11	Np-237	0.037	pCi/g	U	Dry Weight	HASL-300	SMP	0.022	0.068
BDD-SWSF-102415-A	10/24/15 0:11	Pa-234m	920	pCi/L	U	UF	EPA 901.1	SMP	820	1290
BDD-SWSF-102415-A	10/24/15 0:11	Pb-212	-2	pCi/L	U	UF	EPA 901.1	SMP	12	20
BDD-SWSF-102415-A	10/24/15 0:11	Pb-214	8.9	pCi/L	U	UF	EPA 901.1	SMP	9.9	16.1
BDD-SWSF-102415-A	10/24/15 0:11	Pu-238	0.0158	pCi/L	U	10F	HASL-300	SMP	0.007	0.0184
BDD-SWSF-102415-A	10/24/15 0:11	Pu-238	0.0117	pCi/g	U,M	Dry Weight	HASL-300	SMP	0.0097	0.0329
BDD-SWSF-102415-A	10/24/15 0:11	Pu-239/240	0	pCi/L	U	10F	HASL-300	SMP	0.0048	0.0145
BDD-SWSF-102415-A	10/24/15 0:11	Pu-239/240	0.014	pCi/g	LT	Dry Weight	HASL-300	SMP	0.0058	0.0063
BDD-SWSF-102415-A	10/24/15 0:11	Ra-226	1.43	pCi/L		UF	EPA 903.1	SMP	0.26	0.32
BDD-SWSF-102415-A	10/24/15 0:11	Ra-228	2.67	pCi/L	M3	UF	EPA 904.0	SMP	0.51	1.5
BDD-SWSF-102415-A	10/24/15 0:11	Sr-90	0.113	pCi/L	U	UF	ASTM 5811	SMP	0.085	0.276
BDD-SWSF-102415-A	10/24/15 0:11	SSC	1.086	g/L		UF	D3977-97	SMP		
BDD-SWSF-102415-A	10/24/15 0:11	Th-234	90	pCi/L	U	UF	EPA 901.1	SMP	130	210
BDD-SWSF-102415-A	10/24/15 0:11	Tl-208	5.5	pCi/L	U	UF	EPA 901.1	SMP	5.6	9
BDD-SWSF-102415-A	10/24/15 0:11	U-234	2.19	pCi/L		10F	HASL-300	SMP	0.2	0.04
BDD-SWSF-102415-A	10/24/15 0:11	U-234	0.94	pCi/g	M3	Dry Weight	HASL-300	SMP	0.087	0.038
BDD-SWSF-102415-A	10/24/15 0:11	U-235	0.082	pCi/L	LT	10F	HASL-300	SMP	0.023	0.042
BDD-SWSF-102415-A	10/24/15 0:11	U-235	0.054	pCi/g	M3	Dry Weight	HASL-300	SMP	0.014	0.025
BDD-SWSF-102415-A	10/24/15 0:11	U-238	1.51	pCi/L		10F	HASL-300	SMP	0.15	0.03
BDD-SWSF-102415-A	10/24/15 0:11	U-238	0.866	pCi/g	M3	Dry Weight	HASL-300	SMP	0.08	0.017
BDD-SWSF-102415-B	10/24/15 0:41	Ac-228	28	pCi/L	U	UF	EPA 901.1	SMP	28	45
BDD-SWSF-102415-B	10/24/15 0:41	Am-241	-0.0041	pCi/L	U	UF	HASL-300	SMP	0.0076	0.0304
BDD-SWSF-102415-B	10/24/15 0:41	Be-7	180	pCi/L	U	UF	EPA 901.1	SMP	280	460
BDD-SWSF-102415-B	10/24/15 0:41	Bi-212	-45	pCi/L	U	UF	EPA 901.1	SMP	90	163
BDD-SWSF-102415-B	10/24/15 0:41	Bi-214	10	pCi/L	U	UF	EPA 901.1	SMP	16	26

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-102415-B	10/24/15 0:41	Co-60	0.1	pCi/L	U	UF	EPA 901.1	SMP	7	12.4
BDD-SWSF-102415-B	10/24/15 0:41	Cs-134	-2.4	pCi/L	U	UF	EPA 901.1	SMP	6.1	10.8
BDD-SWSF-102415-B	10/24/15 0:41	Cs-137	-2.4	pCi/L	U	UF	EPA 901.1	SMP	5.3	9.6
BDD-SWSF-102415-B	10/24/15 0:41	K-40	-54	pCi/L	U	UF	EPA 901.1	SMP	80	147
BDD-SWSF-102415-B	10/24/15 0:41	Na-22	0.7	pCi/L	U	UF	EPA 901.1	SMP	7	12.3
BDD-SWSF-102415-B	10/24/15 0:41	Np-237	0.002	pCi/L	U	UF	HASL-300	SMP	0.01	0.037
BDD-SWSF-102415-B	10/24/15 0:41	Pa-234m	190	pCi/L	U	UF	EPA 901.1	SMP	970	1690
BDD-SWSF-102415-B	10/24/15 0:41	Pb-212	1	pCi/L	U	UF	EPA 901.1	SMP	12	19
BDD-SWSF-102415-B	10/24/15 0:41	Pb-214	3	pCi/L	U	UF	EPA 901.1	SMP	15	25
BDD-SWSF-102415-B	10/24/15 0:41	Pu-238	0.04	pCi/L	LT	UF	HASL-300	SMP	0.013	0.027
BDD-SWSF-102415-B	10/24/15 0:41	Pu-239/240	0.0048	pCi/L	U	UF	HASL-300	SMP	0.0069	0.0214
BDD-SWSF-102415-B	10/24/15 0:41	Ra-226	1.05	pCi/L		UF	EPA 903.1	SMP	0.17	0.15
BDD-SWSF-102415-B	10/24/15 0:41	Ra-228	1.37	pCi/L		UF	EPA 904.0	SMP	0.23	0.6
BDD-SWSF-102415-B	10/24/15 0:41	Sr-90	-0.02	pCi/L	U	UF	ASTM 5811	SMP	0.11	0.47
BDD-SWSF-102415-B	10/24/15 0:41	SSC	0.852	g/L		UF	D3977-97	SMP		
BDD-SWSF-102415-B	10/24/15 0:41	Th-234	30	pCi/L	U	UF	EPA 901.1	SMP	99	166
BDD-SWSF-102415-B	10/24/15 0:41	Tl-208	7.6	pCi/L	U	UF	EPA 901.1	SMP	6.1	9.5
BDD-SWSF-102415-B	10/24/15 0:41	U-234	2.28	pCi/L		UF	HASL-300	SMP	0.21	0.05
BDD-SWSF-102415-B	10/24/15 0:41	U-235	0.109	pCi/L		UF	HASL-300	SMP	0.028	0.04
BDD-SWSF-102415-B	10/24/15 0:41	U-238	1.5	pCi/L		UF	HASL-300	SMP	0.15	0.03
BDD-SWSF-102415-C	10/24/15 1:11	Ac-228	12	pCi/L	U	UF	EPA 901.1	SMP	28	46
BDD-SWSF-102415-C	10/24/15 1:11	Am-241	-0.0071	pCi/L	U	UF	HASL-300	SMP	0.0085	0.0352
BDD-SWSF-102415-C	10/24/15 1:11	Be-7	-30	pCi/L	U	UF	EPA 901.1	SMP	160	270
BDD-SWSF-102415-C	10/24/15 1:11	Bi-212	21	pCi/L	U	UF	EPA 901.1	SMP	78	133
BDD-SWSF-102415-C	10/24/15 1:11	Bi-214	7	pCi/L	U	UF	EPA 901.1	SMP	19	31
BDD-SWSF-102415-C	10/24/15 1:11	Co-60	1.9	pCi/L	U	UF	EPA 901.1	SMP	5.3	9.1
BDD-SWSF-102415-C	10/24/15 1:11	Cs-134	-1.2	pCi/L	U	UF	EPA 901.1	SMP	9.2	15.7
BDD-SWSF-102415-C	10/24/15 1:11	Cs-137	0.3	pCi/L	U	UF	EPA 901.1	SMP	5.7	9.9
BDD-SWSF-102415-C	10/24/15 1:11	Gross alpha	14.4	pCi/L		UF	EPA 900.0	SMP	1.5	2
BDD-SWSF-102415-C	10/24/15 1:11	Gross beta	27.6	pCi/L		UF	EPA 900.0	SMP	2.3	2
BDD-SWSF-102415-C	10/24/15 1:11	K-40	17	pCi/L	U	UF	EPA 901.1	SMP	95	162
BDD-SWSF-102415-C	10/24/15 1:11	Na-22	0.9	pCi/L	U	UF	EPA 901.1	SMP	5.3	9.4
BDD-SWSF-102415-C	10/24/15 1:11	Np-237	-0.0058	pCi/L	U	UF	HASL-300	SMP	0.008	0.0419
BDD-SWSF-102415-C	10/24/15 1:11	Pa-234m	-70	pCi/L	U	UF	EPA 901.1	SMP	890	1580
BDD-SWSF-102415-C	10/24/15 1:11	Pb-212	13	pCi/L	U	UF	EPA 901.1	SMP	11	17
BDD-SWSF-102415-C	10/24/15 1:11	Pb-214	2	pCi/L	U	UF	EPA 901.1	SMP	10	17
BDD-SWSF-102415-C	10/24/15 1:11	Pu-238	0.023	pCi/L	U	UF	HASL-300	SMP	0.014	0.049
BDD-SWSF-102415-C	10/24/15 1:11	Pu-239/240	0.01	pCi/L	U	UF	HASL-300	SMP	0.01	0.041
BDD-SWSF-102415-C	10/24/15 1:11	Ra-226	1.28	pCi/L		UF	EPA 903.1	SMP	0.21	0.23
BDD-SWSF-102415-C	10/24/15 1:11	Ra-228	1.2	pCi/L		UF	EPA 904.0	SMP	0.29	0.98
BDD-SWSF-102415-C	10/24/15 1:11	Sr-90	0.18	pCi/L	U	UF	ASTM 5811	SMP	0.079	0.249
BDD-SWSF-102415-C	10/24/15 1:11	SSC	0.735	g/L		UF	D3977-97	SMP		
BDD-SWSF-102415-C	10/24/15 1:11	Th-234	60	pCi/L	U	UF	EPA 901.1	SMP	140	230
BDD-SWSF-102415-C	10/24/15 1:11	Tl-208	2.7	pCi/L	U	UF	EPA 901.1	SMP	7.1	11.9
BDD-SWSF-102415-C	10/24/15 1:11	U-234	2.43	pCi/L		UF	HASL-300	SMP	0.21	0.03
BDD-SWSF-102415-C	10/24/15 1:11	U-235	0.057	pCi/L	LT	UF	HASL-300	SMP	0.016	0.03
BDD-SWSF-102415-C	10/24/15 1:11	U-238	1.92	pCi/L		UF	HASL-300	SMP	0.17	0.01
BDD-SWSF-102415-D	10/24/15 1:41	Ac-228	22	pCi/L	U	UF	EPA 901.1	SMP	17	27
BDD-SWSF-102415-D	10/24/15 1:41	Am-241	-0.0004	pCi/L	U	UF	HASL-300	SMP	0.0088	0.0336
BDD-SWSF-102415-D	10/24/15 1:41	Be-7	-100	pCi/L	U	UF	EPA 901.1	SMP	230	400
BDD-SWSF-102415-D	10/24/15 1:41	Bi-212	67	pCi/L	U	UF	EPA 901.1	SMP	70	113
BDD-SWSF-102415-D	10/24/15 1:41	Bi-214	9	pCi/L	U	UF	EPA 901.1	SMP	17	27
BDD-SWSF-102415-D	10/24/15 1:41	Co-60	1.5	pCi/L	U	UF	EPA 901.1	SMP	4.6	7.8
BDD-SWSF-102415-D	10/24/15 1:41	Cs-134	5.4	pCi/L	U	UF	EPA 901.1	SMP	4.6	7.4
BDD-SWSF-102415-D	10/24/15 1:41	Cs-137	0.7	pCi/L	U	UF	EPA 901.1	SMP	3.9	6.7

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-102415-D	10/24/15 1:41	K-40	2	pCi/L	U	UF	EPA 901.1	SMP	81	138
BDD-SWSF-102415-D	10/24/15 1:41	Na-22	-0.7	pCi/L	U	UF	EPA 901.1	SMP	4.7	8.3
BDD-SWSF-102415-D	10/24/15 1:41	Np-237	0.004	pCi/L	U	UF	HASL-300	SMP	0.011	0.033
BDD-SWSF-102415-D	10/24/15 1:41	Pa-234m	850	pCi/L	U	UF	EPA 901.1	SMP	680	1080
BDD-SWSF-102415-D	10/24/15 1:41	Pb-212	0	pCi/L	U	UF	EPA 901.1	SMP	11	18
BDD-SWSF-102415-D	10/24/15 1:41	Pb-214	-4	pCi/L	U	UF	EPA 901.1	SMP	13	22
BDD-SWSF-102415-D	10/24/15 1:41	Pu-238	0.0066	pCi/L	U	UF	HASL-300	SMP	0.0068	0.0269
BDD-SWSF-102415-D	10/24/15 1:41	Pu-239/240	0.015	pCi/L	LT	UF	HASL-300	SMP	0.0068	0.0081
BDD-SWSF-102415-D	10/24/15 1:41	Ra-226	0.7	pCi/L	LT	UF	EPA 903.1	SMP	0.12	0.14
BDD-SWSF-102415-D	10/24/15 1:41	Ra-228	1.32	pCi/L		UF	EPA 904.0	SMP	0.23	0.59
BDD-SWSF-102415-D	10/24/15 1:41	Sr-90	0.2	pCi/L	U	UF	ASTM 5811	SMP	0.1	0.4
BDD-SWSF-102415-D	10/24/15 1:41	SSC	2.066	g/L		UF	D3977-97	SMP		
BDD-SWSF-102415-D	10/24/15 1:41	Th-234	4	pCi/L	U	UF	EPA 901.1	SMP	94	157
BDD-SWSF-102415-D	10/24/15 1:41	Tl-208	-3.8	pCi/L	U	UF	EPA 901.1	SMP	8.3	14.2
BDD-SWSF-102415-D	10/24/15 1:41	U-234	1.61	pCi/L		UF	HASL-300	SMP	0.16	0.03
BDD-SWSF-102415-D	10/24/15 1:41	U-235	0.039	pCi/L	LT	UF	HASL-300	SMP	0.016	0.032
BDD-SWSF-102415-D	10/24/15 1:41	U-238	1.37	pCi/L		UF	HASL-300	SMP	0.14	0.03
BDD-SWSF-102415-G	10/24/15 3:11	Ac-228	-4	pCi/L	U	UF	EPA 901.1	DUP	29	49
BDD-SWSF-102415-G	10/24/15 3:11	Ac-228	0	pCi/L	U	UF	EPA 901.1	SMP	25	43
BDD-SWSF-102415-G	10/24/15 3:11	Am-241	-0.0134	pCi/L	U	UF	HASL-300	SMP	0.0078	0.0354
BDD-SWSF-102415-G	10/24/15 3:11	Be-7	10	pCi/L	U	UF	EPA 901.1	DUP	220	370
BDD-SWSF-102415-G	10/24/15 3:11	Be-7	20	pCi/L	U	UF	EPA 901.1	SMP	210	360
BDD-SWSF-102415-G	10/24/15 3:11	Bi-212	23	pCi/L	U	UF	EPA 901.1	DUP	64	107
BDD-SWSF-102415-G	10/24/15 3:11	Bi-212	56	pCi/L	U	UF	EPA 901.1	SMP	78	129
BDD-SWSF-102415-G	10/24/15 3:11	Bi-214	13	pCi/L	U	UF	EPA 901.1	DUP	9.1	14.4
BDD-SWSF-102415-G	10/24/15 3:11	Bi-214	9	pCi/L	U	UF	EPA 901.1	SMP	13	22
BDD-SWSF-102415-G	10/24/15 3:11	Co-60	-2	pCi/L	U	UF	EPA 901.1	DUP	5.4	9.5
BDD-SWSF-102415-G	10/24/15 3:11	Co-60	-3.3	pCi/L	U	UF	EPA 901.1	SMP	5	9.6
BDD-SWSF-102415-G	10/24/15 3:11	Cs-134	-3.9	pCi/L	U	UF	EPA 901.1	DUP	4.7	8.2
BDD-SWSF-102415-G	10/24/15 3:11	Cs-134	1.2	pCi/L	U	UF	EPA 901.1	SMP	5.4	9.2
BDD-SWSF-102415-G	10/24/15 3:11	Cs-137	-0.9	pCi/L	U	UF	EPA 901.1	DUP	4.2	7.3
BDD-SWSF-102415-G	10/24/15 3:11	Cs-137	-5	pCi/L	U	UF	EPA 901.1	SMP	4.9	9.1
BDD-SWSF-102415-G	10/24/15 3:11	K-40	33	pCi/L	U	UF	EPA 901.1	DUP	93	155
BDD-SWSF-102415-G	10/24/15 3:11	K-40	-6	pCi/L	U	UF	EPA 901.1	SMP	93	160
BDD-SWSF-102415-G	10/24/15 3:11	Na-22	0.7	pCi/L	U	UF	EPA 901.1	DUP	4.8	8.3
BDD-SWSF-102415-G	10/24/15 3:11	Na-22	0.6	pCi/L	U	UF	EPA 901.1	SMP	4.8	8.7
BDD-SWSF-102415-G	10/24/15 3:11	Np-237	-0.003	pCi/L	U	UF	HASL-300	SMP	0.012	0.054
BDD-SWSF-102415-G	10/24/15 3:11	Pa-234m	-20	pCi/L	U	UF	EPA 901.1	DUP	930	1580
BDD-SWSF-102415-G	10/24/15 3:11	Pa-234m	560	pCi/L	U	UF	EPA 901.1	SMP	740	1210
BDD-SWSF-102415-G	10/24/15 3:11	Pb-212	0.7	pCi/L	U	UF	EPA 901.1	DUP	9.4	15.7
BDD-SWSF-102415-G	10/24/15 3:11	Pb-212	4.2	pCi/L	U	UF	EPA 901.1	SMP	9.8	16.3
BDD-SWSF-102415-G	10/24/15 3:11	Pb-214	5	pCi/L	U	UF	EPA 901.1	DUP	8	13.2
BDD-SWSF-102415-G	10/24/15 3:11	Pb-214	7	pCi/L	U	UF	EPA 901.1	SMP	11	18
BDD-SWSF-102415-G	10/24/15 3:11	Pu-238	0.008	pCi/L	U	UF	HASL-300	SMP	0.0068	0.0211
BDD-SWSF-102415-G	10/24/15 3:11	Pu-239/240	0.023	pCi/L	U	UF	HASL-300	SMP	0.01	0.026
BDD-SWSF-102415-G	10/24/15 3:11	Ra-226	1	pCi/L		UF	EPA 903.1	SMP	0.16	0.13
BDD-SWSF-102415-G	10/24/15 3:11	Ra-228	1.39	pCi/L		UF	EPA 904.0	SMP	0.24	0.61
BDD-SWSF-102415-G	10/24/15 3:11	Sr-90	0.19	pCi/L	U	UF	ASTM 5811	SMP	0.11	0.46
BDD-SWSF-102415-G	10/24/15 3:11	SSC	0.730	g/L		UF	D3977-97	SMP		
BDD-SWSF-102415-G	10/24/15 3:11	Th-234	-65	pCi/L	U	UF	EPA 901.1	DUP	98	165
BDD-SWSF-102415-G	10/24/15 3:11	Th-234	-36	pCi/L	U	UF	EPA 901.1	SMP	52	89
BDD-SWSF-102415-G	10/24/15 3:11	Tl-208	1.3	pCi/L	U	UF	EPA 901.1	DUP	8.4	14
BDD-SWSF-102415-G	10/24/15 3:11	Tl-208	4.4	pCi/L	U	UF	EPA 901.1	SMP	7.1	11.8
BDD-SWSF-102415-G	10/24/15 3:11	U-234	2.46	pCi/L		UF	HASL-300	SMP	0.23	0.05
BDD-SWSF-102415-G	10/24/15 3:11	U-235	0.084	pCi/L	LT	UF	HASL-300	SMP	0.023	0.032

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-102415-G	10/24/15 3:11	U-238	1.73	pCi/L		UF	HASL-300	SMP	0.17	0.04
BDD-SWSF-102415-G	10/24/15 3:41	SSC	0.582	g/L		UF	D3977-97	SMP		
BDD-SWSF-102415-I	10/24/15 4:11	Ac-228	23	pCi/L	U	UF	EPA 901.1	SMP	30	49
BDD-SWSF-102415-I	10/24/15 4:11	Am-241	-0.003	pCi/L	U	UF	HASL-300	SMP	0.0086	0.0347
BDD-SWSF-102415-I	10/24/15 4:11	Be-7	-10	pCi/L	U	UF	EPA 901.1	SMP	160	280
BDD-SWSF-102415-I	10/24/15 4:11	Bi-212	20	pCi/L	U	UF	EPA 901.1	SMP	76	130
BDD-SWSF-102415-I	10/24/15 4:11	Bi-214	1	pCi/L	U	UF	EPA 901.1	SMP	17	29
BDD-SWSF-102415-I	10/24/15 4:11	Co-60	1.8	pCi/L	U	UF	EPA 901.1	SMP	6.4	11.1
BDD-SWSF-102415-I	10/24/15 4:11	Cs-134	9.8	pCi/L	NQ	UF	EPA 901.1	SMP	5.3	7.8
BDD-SWSF-102415-I	10/24/15 4:11	Cs-137	-3.5	pCi/L	U	UF	EPA 901.1	SMP	5.3	9.5
BDD-SWSF-102415-I	10/24/15 4:11	Gross alpha	18.3	pCi/L		UF	EPA 900.0	SMP	1.8	2.4
BDD-SWSF-102415-I	10/24/15 4:11	Gross beta	27	pCi/L		UF	EPA 900.0	SMP	2.4	2.5
BDD-SWSF-102415-I	10/24/15 4:11	K-40	16	pCi/L	U	UF	EPA 901.1	SMP	92	156
BDD-SWSF-102415-I	10/24/15 4:11	Na-22	-7.2	pCi/L	U	UF	EPA 901.1	SMP	6.1	11.7
BDD-SWSF-102415-I	10/24/15 4:11	Np-237	-0.0162	pCi/L	U	UF	HASL-300	SMP	0.0096	0.052
BDD-SWSF-102415-I	10/24/15 4:11	Pa-234m	300	pCi/L	U	UF	EPA 901.1	SMP	810	1390
BDD-SWSF-102415-I	10/24/15 4:11	Pb-212	-2	pCi/L	U	UF	EPA 901.1	SMP	12	20
BDD-SWSF-102415-I	10/24/15 4:11	Pb-214	-3	pCi/L	U	UF	EPA 901.1	SMP	14	24
BDD-SWSF-102415-I	10/24/15 4:11	Pu-238	0.041	pCi/L	LT	UF	HASL-300	SMP	0.016	0.033
BDD-SWSF-102415-I	10/24/15 4:11	Pu-239/240	0.0082	pCi/L	U	UF	HASL-300	SMP	0.0092	0.0275
BDD-SWSF-102415-I	10/24/15 4:11	Ra-226	1.66	pCi/L		UF	EPA 903.1	SMP	0.26	0.21
BDD-SWSF-102415-I	10/24/15 4:11	Ra-228	1.83	pCi/L		UF	EPA 904.0	SMP	0.33	0.9
BDD-SWSF-102415-I	10/24/15 4:11	Sr-90	0.044	pCi/L	U	UF	ASTM 5811	SMP	0.094	0.311
BDD-SWSF-102415-I	10/24/15 4:11	Th-234	78	pCi/L	U	UF	EPA 901.1	SMP	98	160
BDD-SWSF-102415-I	10/24/15 4:11	Tl-208	8	pCi/L	U	UF	EPA 901.1	SMP	5.8	9.1
BDD-SWSF-102415-I	10/24/15 4:11	U-234	3.52	pCi/L		UF	HASL-300	SMP	0.29	0.02
BDD-SWSF-102415-I	10/24/15 4:11	U-235	0.132	pCi/L		UF	HASL-300	SMP	0.022	0.008
BDD-SWSF-102415-I	10/24/15 4:11	U-238	3.03	pCi/L		UF	HASL-300	SMP	0.25	0.02
BDD-SWSF-102415-I	10/24/15 5:11	SSC	0.873	g/L		UF	D3977-97	SMP		
BDD-SWBF-060816-A	6/8/16 8:54	Ac-228	5	pCi/L	U	UF	EPA 901.1	SMP	25	42
BDD-SWBF-060816-A	6/8/16 8:54	Am-241	-0.0116	pCi/L	U	UF	HASL-300	SMP	0.0076	0.0341
BDD-SWBF-060816-A	6/8/16 8:54	Be-7	-20	pCi/L	U	UF	EPA 901.1	SMP	63	110
BDD-SWBF-060816-A	6/8/16 8:54	Bi-212	56	pCi/L	U	UF	EPA 901.1	SMP	63	102
BDD-SWBF-060816-A	6/8/16 8:54	Bi-214	2	pCi/L	U	UF	EPA 901.1	SMP	16	26
BDD-SWBF-060816-A	6/8/16 8:54	Co-60	-0.8	pCi/L	U	UF	EPA 901.1	SMP	4.4	7.7
BDD-SWBF-060816-A	6/8/16 8:54	Cs-134	-2.2	pCi/L	U	UF	EPA 901.1	SMP	4.4	7.7
BDD-SWBF-060816-A	6/8/16 8:54	Cs-137	-0.3	pCi/L	U	UF	EPA 901.1	SMP	4.2	7.2
BDD-SWBF-060816-A	6/8/16 8:54	Gross alpha	3.21	pCi/L		UF	EPA 900.0	SMP	0.42	0.81
BDD-SWBF-060816-A	6/8/16 8:54	Gross beta	6.37	pCi/L		UF	EPA 900.0	SMP	0.63	1.05
BDD-SWBF-060816-A	6/8/16 8:54	I-131	-60	pCi/L	U	UF	EPA 901.1	SMP	520	880
BDD-SWBF-060816-A	6/8/16 8:54	K-40	-33	pCi/L	U	UF	EPA 901.1	SMP	86	147
BDD-SWBF-060816-A	6/8/16 8:54	Na-22	1.6	pCi/L	U	UF	EPA 901.1	SMP	4.4	7.5
BDD-SWBF-060816-A	6/8/16 8:54	Np-237	0.0064	pCi/L	U	UF	HASL-300	SMP	0.0093	0.0334
BDD-SWBF-060816-A	6/8/16 8:54	Pa-234m	-80	pCi/L	U	UF	EPA 901.1	SMP	990	1700
BDD-SWBF-060816-A	6/8/16 8:54	Pb-212	-5	pCi/L	U	UF	EPA 901.1	SMP	10	17
BDD-SWBF-060816-A	6/8/16 8:54	Pb-214	-3	pCi/L	U	UF	EPA 901.1	SMP	13	22
BDD-SWBF-060816-A	6/8/16 8:54	Pu-238	0.011	pCi/L	U	UF	HASL-300	SMP	0.01	0.015
BDD-SWBF-060816-A	6/8/16 8:54	Pu-239/240	0.0108	pCi/L	U	UF	HASL-300	SMP	0.0099	0.0146
BDD-SWBF-060816-A	6/8/16 8:54	Ra-226	0.305	pCi/L	LT	UF	EPA 903.1	SMP	0.086	0.164
BDD-SWBF-060816-A	6/8/16 8:54	Ra-228	0.6	pCi/L	U	UF	EPA 904.0	SMP	0.22	0.87
BDD-SWBF-060816-A	6/8/16 8:54	Sr-90	0.108	pCi/L	U	UF	ASTM 5811	SMP	0.056	0.18
BDD-SWBF-060816-A	6/8/16 8:54	SSC	0.201	g/L		UF	D3977-97	SMP		
BDD-SWBF-060816-A	6/8/16 8:54	Th-234	40	pCi/L	U	UF	EPA 901.1	SMP	110	180
BDD-SWBF-060816-A	6/8/16 8:54	Tl-208	3.4	pCi/L	U	UF	EPA 901.1	SMP	4.3	7.1
BDD-SWBF-060816-A	6/8/16 8:54	U-234	0.737	pCi/L		UF	HASL-300	SMP	0.084	0.013

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWBF-060816-A	6/8/16 8:54	U-235	0.015	pCi/L	U	UF	HASL-300	SMP	0.011	0.031
BDD-SWBF-060816-A	6/8/16 8:54	U-238	0.627	pCi/L		UF	HASL-300	SMP	0.075	0.013
BDD-SWBF-072816-A	7/28/16 8:15	Ac-228	11	pCi/L	U	UF	EPA 901.1	DUP	15	24
BDD-SWBF-072816-A	7/28/16 8:15	Ac-228	4	pCi/L	U	UF	EPA 901.1	SMP	19	32
BDD-SWBF-072816-A	7/28/16 8:15	Am-241	-0.0057	pCi/L	U	UF	HASL-300	SMP	0.0078	0.0322
BDD-SWBF-072816-A	7/28/16 8:15	Be-7	-15	pCi/L	U	UF	EPA 901.1	SMP	24	42
BDD-SWBF-072816-A	7/28/16 8:15	Be-7	21	pCi/L	U	UF	EPA 901.1	DUP	28	46
BDD-SWBF-072816-A	7/28/16 8:15	Bi-212	26	pCi/L	U	UF	EPA 901.1	DUP	53	89
BDD-SWBF-072816-A	7/28/16 8:15	Bi-212	8	pCi/L	U	UF	EPA 901.1	SMP	47	80
BDD-SWBF-072816-A	7/28/16 8:15	Bi-214	-2	pCi/L	U	UF	EPA 901.1	DUP	14	24
BDD-SWBF-072816-A	7/28/16 8:15	Bi-214	-4	pCi/L	U	UF	EPA 901.1	SMP	12	20
BDD-SWBF-072816-A	7/28/16 8:15	Co-60	1.6	pCi/L	U	UF	EPA 901.1	DUP	4.3	7.2
BDD-SWBF-072816-A	7/28/16 8:15	Co-60	1.4	pCi/L	U	UF	EPA 901.1	SMP	3.5	6
BDD-SWBF-072816-A	7/28/16 8:15	Cs-134	-1.2	pCi/L	U	UF	EPA 901.1	DUP	3.7	6.4
BDD-SWBF-072816-A	7/28/16 8:15	Cs-134	-0.5	pCi/L	U	UF	EPA 901.1	SMP	3.4	5.8
BDD-SWBF-072816-A	7/28/16 8:15	Cs-137	1	pCi/L	U	UF	EPA 901.1	DUP	3.5	5.9
BDD-SWBF-072816-A	7/28/16 8:15	Cs-137	-0.2	pCi/L	U	UF	EPA 901.1	SMP	3.6	6.2
BDD-SWBF-072816-A	7/28/16 8:15	Gross alpha	1.8	pCi/L	LT	UF	EPA 900.0	DUP	0.3	0.7
BDD-SWBF-072816-A	7/28/16 8:15	Gross alpha	2.31	pCi/L	LT	UF	EPA 900.0	SMP	0.36	0.84
BDD-SWBF-072816-A	7/28/16 8:15	Gross beta	4.01	pCi/L		UF	EPA 900.0	DUP	0.48	1.08
BDD-SWBF-072816-A	7/28/16 8:15	Gross beta	4.67	pCi/L		UF	EPA 900.0	SMP	0.52	1.07
BDD-SWBF-072816-A	7/28/16 8:15	I-131	3.4	pCi/L	U	UF	EPA 901.1	DUP	6	10
BDD-SWBF-072816-A	7/28/16 8:15	I-131	-1.1	pCi/L	U	UF	EPA 901.1	SMP	6.5	11.1
BDD-SWBF-072816-A	7/28/16 8:15	K-40	-44	pCi/L	U	UF	EPA 901.1	SMP	82	141
BDD-SWBF-072816-A	7/28/16 8:15	K-40	34	pCi/L	U	UF	EPA 901.1	DUP	83	138
BDD-SWBF-072816-A	7/28/16 8:15	Na-22	-3.1	pCi/L	U	UF	EPA 901.1	DUP	4.2	7.7
BDD-SWBF-072816-A	7/28/16 8:15	Na-22	-1	pCi/L	U	UF	EPA 901.1	SMP	3.7	6.6
BDD-SWBF-072816-A	7/28/16 8:15	Np-237	-0.0033	pCi/L	U	UF	HASL-300	SMP	0.0084	0.0301
BDD-SWBF-072816-A	7/28/16 8:15	Pa-234m	210	pCi/L	U	UF	EPA 901.1	SMP	560	940
BDD-SWBF-072816-A	7/28/16 8:15	Pa-234m	-70	pCi/L	U	UF	EPA 901.1	DUP	990	1680
BDD-SWBF-072816-A	7/28/16 8:15	Pb-212	-2.7	pCi/L	U	UF	EPA 901.1	SMP	8.6	14.5
BDD-SWBF-072816-A	7/28/16 8:15	Pb-212	-2.1	pCi/L	U	UF	EPA 901.1	DUP	8.5	14.2
BDD-SWBF-072816-A	7/28/16 8:15	Pb-214	2.2	pCi/L	U	UF	EPA 901.1	SMP	6.5	11
BDD-SWBF-072816-A	7/28/16 8:15	Pb-214	-6	pCi/L	U	UF	EPA 901.1	DUP	10	18
BDD-SWBF-072816-A	7/28/16 8:15	Pu-238	0.015	pCi/L	U	UF	HASL-300	SMP	0.01	0.031
BDD-SWBF-072816-A	7/28/16 8:15	Pu-239/240	0.009	pCi/L	U	UF	HASL-300	SMP	0.01	0.031
BDD-SWBF-072816-A	7/28/16 8:15	Ra-226	0.25	pCi/L	LT	UF	EPA 903.1	SMP	0.085	0.218
BDD-SWBF-072816-A	7/28/16 8:15	Ra-228	0.42	pCi/L	U	UF	EPA 904.0	SMP	0.2	0.83
BDD-SWBF-072816-A	7/28/16 8:15	Sr-90	0.122	pCi/L	U	UF	ASTM 5811	SMP	0.047	0.147
BDD-SWBF-072816-A	7/28/16 8:15	SSC	0.061	g/L		UF	D3977-97	SMP		
BDD-SWBF-072816-A	7/28/16 8:15	Th-234	10	pCi/L	U	UF	EPA 901.1	SMP	150	240
BDD-SWBF-072816-A	7/28/16 8:15	Th-234	13	pCi/L	U	UF	EPA 901.1	DUP	85	142
BDD-SWBF-072816-A	7/28/16 8:15	Tl-208	3.1	pCi/L	U	UF	EPA 901.1	SMP	3.5	5.7
BDD-SWBF-072816-A	7/28/16 8:15	Tl-208	5.9	pCi/L		UF	EPA 901.1	DUP	3.7	5.7
BDD-SWBF-072816-A	7/28/16 8:15	U-234	0.648	pCi/L		UF	HASL-300	SMP	0.077	0.027
BDD-SWBF-072816-A	7/28/16 8:15	U-235	0.035	pCi/L	LT	UF	HASL-300	SMP	0.014	0.016
BDD-SWBF-072816-A	7/28/16 8:15	U-238	0.346	pCi/L		UF	HASL-300	SMP	0.05	0.044
BDD-SWBF-080316-A	8/3/16 8:38	Ac-228	19	pCi/L	NQ	UF	EPA 901.1	DUP	12	19
BDD-SWBF-080316-A	8/3/16 8:38	Ac-228	0	pCi/L	U	UF	EPA 901.1	SMP	20	34
BDD-SWBF-080316-A	8/3/16 8:38	Am-241	-0.0129	pCi/L	U	UF	HASL-300	SMP	0.0073	0.0324
BDD-SWBF-080316-A	8/3/16 8:38	Be-7	-40	pCi/L	U	UF	EPA 901.1	DUP	130	220
BDD-SWBF-080316-A	8/3/16 8:38	Be-7	74	pCi/L	U	UF	EPA 901.1	SMP	81	133
BDD-SWBF-080316-A	8/3/16 8:38	Bi-212	30	pCi/L	U	UF	EPA 901.1	SMP	40	66
BDD-SWBF-080316-A	8/3/16 8:38	Bi-212	4	pCi/L	U	UF	EPA 901.1	DUP	41	69
BDD-SWBF-080316-A	8/3/16 8:38	Bi-214	1	pCi/L	U	UF	EPA 901.1	SMP	13	21

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWBF-080316-A	8/3/16 8:38	Bi-214	2	pCi/L	U	UF	EPA 901.1	DUP	14	23
BDD-SWBF-080316-A	8/3/16 8:38	Co-60	-2	pCi/L	U	UF	EPA 901.1	DUP	3	5.4
BDD-SWBF-080316-A	8/3/16 8:38	Co-60	-1.5	pCi/L	U	UF	EPA 901.1	SMP	3.3	5.8
BDD-SWBF-080316-A	8/3/16 8:38	Cs-134	-1.1	pCi/L	U	UF	EPA 901.1	SMP	3.1	5.2
BDD-SWBF-080316-A	8/3/16 8:38	Cs-134	-3.3	pCi/L	U	UF	EPA 901.1	DUP	3.2	5.5
BDD-SWBF-080316-A	8/3/16 8:38	Cs-137	-0.2	pCi/L	U	UF	EPA 901.1	SMP	2.6	4.4
BDD-SWBF-080316-A	8/3/16 8:38	Cs-137	-1.4	pCi/L	U	UF	EPA 901.1	DUP	2.8	4.8
BDD-SWBF-080316-A	8/3/16 8:38	Gross alpha	13.4	pCi/L		UF	EPA 900.0	DUP	1.4	2.2
BDD-SWBF-080316-A	8/3/16 8:38	Gross alpha	14.7	pCi/L		UF	EPA 900.0	SMP	1.5	2
BDD-SWBF-080316-A	8/3/16 8:38	Gross beta	21	pCi/L		UF	EPA 900.0	DUP	1.9	2.6
BDD-SWBF-080316-A	8/3/16 8:38	Gross beta	21.6	pCi/L		UF	EPA 900.0	SMP	2	2.6
BDD-SWBF-080316-A	8/3/16 8:38	K-40	3	pCi/L	U	UF	EPA 901.1	DUP	76	127
BDD-SWBF-080316-A	8/3/16 8:38	K-40	27	pCi/L	U	UF	EPA 901.1	SMP	77	127
BDD-SWBF-080316-A	8/3/16 8:38	Na-22	0	pCi/L	U	UF	EPA 901.1	DUP	3.3	5.6
BDD-SWBF-080316-A	8/3/16 8:38	Na-22	2.5	pCi/L	U	UF	EPA 901.1	SMP	3.4	5.6
BDD-SWBF-080316-A	8/3/16 8:38	Np-237	0.0092	pCi/L	U	UF	HASL-300	SMP	0.0075	0.0248
BDD-SWBF-080316-A	8/3/16 8:38	Pa-234m	-190	pCi/L	U	UF	EPA 901.1	SMP	460	800
BDD-SWBF-080316-A	8/3/16 8:38	Pa-234m	170	pCi/L	U	UF	EPA 901.1	DUP	500	840
BDD-SWBF-080316-A	8/3/16 8:38	Pb-212	3.1	pCi/L	U	UF	EPA 901.1	SMP	6.3	10.4
BDD-SWBF-080316-A	8/3/16 8:38	Pb-212	-1.4	pCi/L	U	UF	EPA 901.1	DUP	8.1	13.5
BDD-SWBF-080316-A	8/3/16 8:38	Pb-214	-4.8	pCi/L	U	UF	EPA 901.1	SMP	9.9	16.6
BDD-SWBF-080316-A	8/3/16 8:38	Pb-214	-0.3	pCi/L	U	UF	EPA 901.1	DUP	8.7	14.4
BDD-SWBF-080316-A	8/3/16 8:38	Pu-238	0.004	pCi/L	U	UF	HASL-300	SMP	0.0056	0.0213
BDD-SWBF-080316-A	8/3/16 8:38	Pu-239/240	0.0138	pCi/L	U	UF	HASL-300	SMP	0.006	0.0145
BDD-SWBF-080316-A	8/3/16 8:38	Ra-226	1.12	pCi/L		UF	EPA 903.1	SMP	0.2	0.23
BDD-SWBF-080316-A	8/3/16 8:38	Ra-228	0.33	pCi/L	Y1,U	UF	EPA 904.0	SMP	0.2	0.88
BDD-SWBF-080316-A	8/3/16 8:38	Sr-90	0.195	pCi/L	LT	UF	ASTM 5811	SMP	0.058	0.171
BDD-SWBF-080316-A	8/3/16 8:38	SSC	0.628	g/L		UF	D3977-97	SMP		
BDD-SWBF-080316-A	8/3/16 8:38	Th-234	-17	pCi/L	U	UF	EPA 901.1	SMP	72	120
BDD-SWBF-080316-A	8/3/16 8:38	Th-234	-9	pCi/L	U	UF	EPA 901.1	DUP	47	78
BDD-SWBF-080316-A	8/3/16 8:38	Tl-208	-0.9	pCi/L	U	UF	EPA 901.1	SMP	6	10
BDD-SWBF-080316-A	8/3/16 8:38	Tl-208	0.7	pCi/L	U	UF	EPA 901.1	DUP	5.3	9.2
BDD-SWBF-080316-A	8/3/16 8:38	U-234	1.91	pCi/L		UF	HASL-300	SMP	0.16	0.02
BDD-SWBF-080316-A	8/3/16 8:38	U-235	0.075	pCi/L	LT	UF	HASL-300	SMP	0.013	0.005
BDD-SWBF-080316-A	8/3/16 8:38	U-238	1.77	pCi/L		UF	HASL-300	SMP	0.15	0
BDD-SWSF-082716-A	8/27/16 15:06	Ac-228	12	pCi/L	U	UF	EPA 901.1	SMP	11	18
BDD-SWSF-082716-A	8/27/16 15:06	Am-241	-0.0095	pCi/L	U	UF	HASL-300	SMP	0.008	0.0336
BDD-SWSF-082716-A	8/27/16 15:06	Be-7	-12	pCi/L	U	UF	EPA 901.1	SMP	27	46
BDD-SWSF-082716-A	8/27/16 15:06	Bi-212	31	pCi/L	U	UF	EPA 901.1	SMP	36	59
BDD-SWSF-082716-A	8/27/16 15:06	Bi-214	12.9	pCi/L	NQ	UF	EPA 901.1	SMP	6.2	9.5
BDD-SWSF-082716-A	8/27/16 15:06	Co-60	-1.4	pCi/L	U	UF	EPA 901.1	SMP	3	5.2
BDD-SWSF-082716-A	8/27/16 15:06	Cs-134	-1.8	pCi/L	U	UF	EPA 901.1	SMP	2.9	4.9
BDD-SWSF-082716-A	8/27/16 15:06	Cs-137	-1.1	pCi/L	U	UF	EPA 901.1	SMP	2.9	5
BDD-SWSF-082716-A	8/27/16 15:06	I-131	1	pCi/L	U	UF	EPA 901.1	SMP	26	45
BDD-SWSF-082716-A	8/27/16 15:06	K-40	19	pCi/L	U	UF	EPA 901.1	SMP	98	163
BDD-SWSF-082716-A	8/27/16 15:06	Na-22	1.4	pCi/L	U	UF	EPA 901.1	SMP	2.9	4.8
BDD-SWSF-082716-A	8/27/16 15:06	Np-237	0.002	pCi/L	U	UF	HASL-300	SMP	0.0048	0.0182
BDD-SWSF-082716-A	8/27/16 15:06	Pa-234m	-210	pCi/L	U	UF	EPA 901.1	SMP	460	810
BDD-SWSF-082716-A	8/27/16 15:06	Pb-212	6.6	pCi/L	U	UF	EPA 901.1	SMP	4.2	6.7
BDD-SWSF-082716-A	8/27/16 15:06	Pb-214	0	pCi/L	U	UF	EPA 901.1	SMP	11	19
BDD-SWSF-082716-A	8/27/16 15:06	Pu-238	0.0198	pCi/L	LT	UF	HASL-300	SMP	0.0061	0.0049
BDD-SWSF-082716-A	8/27/16 15:06	Pu-239/240	0.0162	pCi/L	LT	UF	HASL-300	SMP	0.0055	0.0049
BDD-SWSF-082716-A	8/27/16 15:06	Ra-226	0.45	pCi/L	LT	UF	EPA 903.1	SMP	0.1	0.18
BDD-SWSF-082716-A	8/27/16 15:06	Ra-228	1.55	pCi/L		UF	EPA 904.0	SMP	0.3	0.89
BDD-SWSF-082716-A	8/27/16 15:06	Sr-90	0.042	pCi/L	U	UF	ASTM 5811	SMP	0.082	0.272

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-082716-A	8/27/16 15:06	SSC	0.376	g/L		UF	D3977-97	SMP		
BDD-SWSF-082716-A	8/27/16 15:06	Th-234	76	pCi/L	NQ	UF	EPA 901.1	SMP	39	60
BDD-SWSF-082716-A	8/27/16 15:06	Tl-208	1.5	pCi/L	U	UF	EPA 901.1	SMP	5.4	9
BDD-SWSF-082716-A	8/27/16 15:06	U-234	1.28	pCi/L		UF	HASL-300	SMP	0.11	0.02
BDD-SWSF-082716-A	8/27/16 15:06	U-235	0.046	pCi/L	LT	UF	HASL-300	SMP	0.013	0.029
BDD-SWSF-082716-A	8/27/16 15:06	U-238	0.998	pCi/L		UF	HASL-300	SMP	0.088	0.02
BDD-SWSF-082716-B	8/27/16 15:36	Ac-228	5	pCi/L	U	UF	EPA 901.1	SMP	25	41
BDD-SWSF-082716-B	8/27/16 15:36	Am-241	-0.0043	pCi/L	U	UF	HASL-300	SMP	0.0082	0.033
BDD-SWSF-082716-B	8/27/16 15:36	Be-7	4	pCi/L	U	UF	EPA 901.1	SMP	26	43
BDD-SWSF-082716-B	8/27/16 15:36	Bi-212	31	pCi/L	U	UF	EPA 901.1	SMP	37	60
BDD-SWSF-082716-B	8/27/16 15:36	Bi-214	4	pCi/L	U	UF	EPA 901.1	SMP	15	24
BDD-SWSF-082716-B	8/27/16 15:36	Co-60	2.1	pCi/L	U	UF	EPA 901.1	SMP	2.7	4.5
BDD-SWSF-082716-B	8/27/16 15:36	Cs-134	-1.3	pCi/L	U	UF	EPA 901.1	SMP	4.3	7.3
BDD-SWSF-082716-B	8/27/16 15:36	Cs-137	-0.6	pCi/L	U	UF	EPA 901.1	SMP	2.5	4.3
BDD-SWSF-082716-B	8/27/16 15:36	I-131	-1	pCi/L	U	UF	EPA 901.1	SMP	24	40
BDD-SWSF-082716-B	8/27/16 15:36	K-40	-1	pCi/L	U	UF	EPA 901.1	SMP	77	128
BDD-SWSF-082716-B	8/27/16 15:36	Na-22	0	pCi/L	U	UF	EPA 901.1	SMP	2.7	4.6
BDD-SWSF-082716-B	8/27/16 15:36	Np-237	-0.002	pCi/L	U	UF	HASL-300	SMP	0.0052	0.0236
BDD-SWSF-082716-B	8/27/16 15:36	Pa-234m	70	pCi/L	U	UF	EPA 901.1	SMP	980	1640
BDD-SWSF-082716-B	8/27/16 15:36	Pb-212	2.8	pCi/L	U	UF	EPA 901.1	SMP	8.7	14.3
BDD-SWSF-082716-B	8/27/16 15:36	Pb-214	-6	pCi/L	U	UF	EPA 901.1	SMP	11	19
BDD-SWSF-082716-B	8/27/16 15:36	Pu-238	0.0051	pCi/L	U	UF	HASL-300	SMP	0.0051	0.0182
BDD-SWSF-082716-B	8/27/16 15:36	Pu-239/240	0.0202	pCi/L	LT	UF	HASL-300	SMP	0.006	0.0046
BDD-SWSF-082716-B	8/27/16 15:36	Ra-226	0.43	pCi/L	LT	UF	EPA 903.1	SMP	0.1	0.17
BDD-SWSF-082716-B	8/27/16 15:36	Ra-228	1.6	pCi/L		UF	EPA 904.0	SMP	0.3	0.86
BDD-SWSF-082716-B	8/27/16 15:36	Sr-90	0.057	pCi/L	U	UF	ASTM 5811	SMP	0.078	0.257
BDD-SWSF-082716-B	8/27/16 15:36	SSC	0.358	g/L		UF	D3977-97	SMP		
BDD-SWSF-082716-B	8/27/16 15:36	Th-234	-50	pCi/L	U	UF	EPA 901.1	SMP	130	210
BDD-SWSF-082716-B	8/27/16 15:36	Tl-208	1	pCi/L	U	UF	EPA 901.1	SMP	6.1	10.3
BDD-SWSF-082716-B	8/27/16 15:36	U-234	1.4	pCi/L		UF	HASL-300	SMP	0.12	0.02
BDD-SWSF-082716-B	8/27/16 15:36	U-235	0.05	pCi/L	LT	UF	HASL-300	SMP	0.012	0.019
BDD-SWSF-082716-B	8/27/16 15:36	U-238	1.051	pCi/L		UF	HASL-300	SMP	0.091	0.013
BDD-SWSF-082716-C	8/27/16 16:20	Ac-228	17.8	pCi/L	U	UF	EPA 901.1	DUP	9.2	18.3
BDD-SWSF-082716-C	8/27/16 16:20	Ac-228	17	pCi/L	U	UF	EPA 901.1	SMP	16	26
BDD-SWSF-082716-C	8/27/16 16:20	Am-241	0.0054	pCi/L	U	UF	HASL-300	SMP	0.0098	0.0352
BDD-SWSF-082716-C	8/27/16 16:20	Be-7	1	pCi/L	U	UF	EPA 901.1	DUP	27	45
BDD-SWSF-082716-C	8/27/16 16:20	Be-7	-27	pCi/L	U	UF	EPA 901.1	SMP	36	62
BDD-SWSF-082716-C	8/27/16 16:20	Bi-212	-1	pCi/L	U	UF	EPA 901.1	DUP	41	69
BDD-SWSF-082716-C	8/27/16 16:20	Bi-212	50	pCi/L	U	UF	EPA 901.1	SMP	53	86
BDD-SWSF-082716-C	8/27/16 16:20	Bi-214	11.5	pCi/L	NQ	UF	EPA 901.1	DUP	5.8	9.4
BDD-SWSF-082716-C	8/27/16 16:20	Bi-214	0	pCi/L	U	UF	EPA 901.1	SMP	17	28
BDD-SWSF-082716-C	8/27/16 16:20	Co-60	0.5	pCi/L	U	UF	EPA 901.1	DUP	3.1	5.3
BDD-SWSF-082716-C	8/27/16 16:20	Co-60	1.3	pCi/L	U	UF	EPA 901.1	SMP	5.1	8.6
BDD-SWSF-082716-C	8/27/16 16:20	Cs-134	-1.4	pCi/L	U	UF	EPA 901.1	DUP	2.9	4.9
BDD-SWSF-082716-C	8/27/16 16:20	Cs-134	-5.7	pCi/L	U	UF	EPA 901.1	SMP	4.1	7.1
BDD-SWSF-082716-C	8/27/16 16:20	Cs-137	-1	pCi/L	U	UF	EPA 901.1	DUP	2.7	4.7
BDD-SWSF-082716-C	8/27/16 16:20	Cs-137	1.9	pCi/L	U	UF	EPA 901.1	SMP	3.8	6.4
BDD-SWSF-082716-C	8/27/16 16:20	I-131	7	pCi/L	U	UF	EPA 901.1	DUP	28	47
BDD-SWSF-082716-C	8/27/16 16:20	I-131	-14	pCi/L	U	UF	EPA 901.1	SMP	31	54
BDD-SWSF-082716-C	8/27/16 16:20	K-40	-48	pCi/L	U	UF	EPA 901.1	DUP	97	162
BDD-SWSF-082716-C	8/27/16 16:20	K-40	40	pCi/L	U	UF	EPA 901.1	SMP	110	180
BDD-SWSF-082716-C	8/27/16 16:20	Na-22	-0.2	pCi/L	U	UF	EPA 901.1	DUP	2.9	5
BDD-SWSF-082716-C	8/27/16 16:20	Na-22	3.9	pCi/L	U	UF	EPA 901.1	SMP	4.8	7.8
BDD-SWSF-082716-C	8/27/16 16:20	Np-237	0.0042	pCi/L	U	UF	HASL-300	SMP	0.0053	0.0156
BDD-SWSF-082716-C	8/27/16 16:20	Pa-234m	10	pCi/L	U	UF	EPA 901.1	DUP	480	820

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-082716-C	8/27/16 16:20	Pa-234m	430	pCi/L	U	UF	EPA 901.1	SMP	720	1200
BDD-SWSF-082716-C	8/27/16 16:20	Pb-212	6	pCi/L	U,D	UF	EPA 901.1	DUP	4.3	6.8
BDD-SWSF-082716-C	8/27/16 16:20	Pb-212	-4.3	pCi/L	U	UF	EPA 901.1	SMP	8.4	14.1
BDD-SWSF-082716-C	8/27/16 16:20	Pb-214	3.9	pCi/L	U	UF	EPA 901.1	DUP	5.5	9.1
BDD-SWSF-082716-C	8/27/16 16:20	Pb-214	-3	pCi/L	U	UF	EPA 901.1	SMP	13	22
BDD-SWSF-082716-C	8/27/16 16:20	Pu-238	0.012	pCi/L	U	UF	HASL-300	SMP	0.0067	0.0206
BDD-SWSF-082716-C	8/27/16 16:20	Pu-239/240	0.0137	pCi/L	U	UF	HASL-300	SMP	0.006	0.0159
BDD-SWSF-082716-C	8/27/16 16:20	Ra-226	0.65	pCi/L	LT	UF	EPA 903.1	SMP	0.12	0.1
BDD-SWSF-082716-C	8/27/16 16:20	Ra-228	2.31	pCi/L		UF	EPA 904.0	SMP	0.38	0.94
BDD-SWSF-082716-C	8/27/16 16:20	Sr-90	0.016	pCi/L	U	UF	ASTM 5811	SMP	0.095	0.316
BDD-SWSF-082716-C	8/27/16 16:20	SSC	0.557	g/L		UF	D3977-97	SMP		
BDD-SWSF-082716-C	8/27/16 16:20	Th-234	83	pCi/L	NQ	UF	EPA 901.1	DUP	38	61
BDD-SWSF-082716-C	8/27/16 16:20	Th-234	28	pCi/L	U	UF	EPA 901.1	SMP	93	153
BDD-SWSF-082716-C	8/27/16 16:20	Tl-208	4.1	pCi/L	U	UF	EPA 901.1	DUP	2.9	4.6
BDD-SWSF-082716-C	8/27/16 16:20	Tl-208	5.9	pCi/L	U	UF	EPA 901.1	SMP	4	6.3
BDD-SWSF-082716-C	8/27/16 16:20	U-234	1.56	pCi/L		UF	HASL-300	SMP	0.13	0.02
BDD-SWSF-082716-C	8/27/16 16:20	U-235	0.074	pCi/L	LT	UF	HASL-300	SMP	0.014	0.015
BDD-SWSF-082716-C	8/27/16 16:20	U-238	1.18	pCi/L		UF	HASL-300	SMP	0.1	0.02
BDD-SWSF-082716-D	8/27/16 16:28	Gross alpha	40.6	pCi/L	M3	UF	EPA 900.0	DUP	5.9	13.6
BDD-SWSF-082716-D	8/27/16 16:28	Gross alpha	29.8	pCi/L	M3	UF	EPA 900.0	SMP	5.2	13.2
BDD-SWSF-082716-D	8/27/16 16:28	Gross beta	61.1	pCi/L	M3	UF	EPA 900.0	DUP	9.1	24.1
BDD-SWSF-082716-D	8/27/16 16:28	Gross beta	62.8	pCi/L	M3	UF	EPA 900.0	SMP	8.9	23.1
BDD-SWSF-082716-E	8/27/16 17:05	Ac-228	13	pCi/L	U	UF	EPA 901.1	SMP	8.8	15.1
BDD-SWSF-082716-E	8/27/16 17:05	Am-241	-0.0162	pCi/L	U	UF	HASL-300	SMP	0.0081	0.0353
BDD-SWSF-082716-E	8/27/16 17:05	Be-7	20	pCi/L	U	UF	EPA 901.1	SMP	23	38
BDD-SWSF-082716-E	8/27/16 17:05	Bi-212	12	pCi/L	U	UF	EPA 901.1	SMP	35	59
BDD-SWSF-082716-E	8/27/16 17:05	Bi-214	0	pCi/L	U	UF	EPA 901.1	SMP	13	21
BDD-SWSF-082716-E	8/27/16 17:05	Co-60	-1.6	pCi/L	U	UF	EPA 901.1	SMP	2.6	4.5
BDD-SWSF-082716-E	8/27/16 17:05	Cs-134	-2.5	pCi/L	U	UF	EPA 901.1	SMP	2.5	4.3
BDD-SWSF-082716-E	8/27/16 17:05	Cs-137	-0.6	pCi/L	U	UF	EPA 901.1	SMP	2.5	4.2
BDD-SWSF-082716-E	8/27/16 17:05	I-131	-9	pCi/L	U	UF	EPA 901.1	SMP	24	41
BDD-SWSF-082716-E	8/27/16 17:05	K-40	-8	pCi/L	U	UF	EPA 901.1	SMP	77	128
BDD-SWSF-082716-E	8/27/16 17:05	Na-22	-0.1	pCi/L	U	UF	EPA 901.1	SMP	2.5	4.3
BDD-SWSF-082716-E	8/27/16 17:05	Np-237	0.0038	pCi/L	U	UF	HASL-300	SMP	0.0055	0.0206
BDD-SWSF-082716-E	8/27/16 17:05	Pa-234m	620	pCi/L	U	UF	EPA 901.1	SMP	420	650
BDD-SWSF-082716-E	8/27/16 17:05	Pb-212	-3.1	pCi/L	U	UF	EPA 901.1	SMP	9.2	15.2
BDD-SWSF-082716-E	8/27/16 17:05	Pb-214	-5	pCi/L	U	UF	EPA 901.1	SMP	12	19
BDD-SWSF-082716-E	8/27/16 17:05	Pu-238	0.0069	pCi/L	LT	UF	HASL-300	SMP	0.0043	0.0047
BDD-SWSF-082716-E	8/27/16 17:05	Pu-239/240	0.0121	pCi/L	U	UF	HASL-300	SMP	0.0058	0.0161
BDD-SWSF-082716-E	8/27/16 17:05	Ra-226	0.392	pCi/L	LT	UF	EPA 903.1	SMP	0.097	0.177
BDD-SWSF-082716-E	8/27/16 17:05	Ra-228	1.52	pCi/L		UF	EPA 904.0	SMP	0.3	0.9
BDD-SWSF-082716-E	8/27/16 17:05	Sr-90	0.43	pCi/L	LT	UF	ASTM 5811	SMP	0.11	0.3
BDD-SWSF-082716-E	8/27/16 17:05	SSC	0.355	g/L		UF	D3977-97	SMP		
BDD-SWSF-082716-E	8/27/16 17:05	Th-234	-10	pCi/L	U	UF	EPA 901.1	SMP	140	230
BDD-SWSF-082716-E	8/27/16 17:05	Tl-208	3.9	pCi/L	U	UF	EPA 901.1	SMP	2.6	4
BDD-SWSF-082716-E	8/27/16 17:05	U-234	1.36	pCi/L		UF	HASL-300	SMP	0.11	0.01
BDD-SWSF-082716-E	8/27/16 17:05	U-235	0.068	pCi/L	LT	UF	HASL-300	SMP	0.013	0.019
BDD-SWSF-082716-E	8/27/16 17:05	U-238	0.922	pCi/L		UF	HASL-300	SMP	0.081	0.013
BDD-SWSF-082716-F	8/27/16 17:28	Gross alpha	6.52	pCi/L		UF	EPA 900.0	SMP	0.72	1.19
BDD-SWSF-082716-F	8/27/16 17:28	Gross beta	11.5	pCi/L		UF	EPA 900.0	SMP	1.1	1.5
BDD-SWSF-082716-G	8/27/16 17:50	Ac-228	16	pCi/L	U	UF	EPA 901.1	SMP	11	17
BDD-SWSF-082716-G	8/27/16 17:50	Am-241	-0.0067	pCi/L	U	UF	HASL-300	SMP	0.0075	0.031
BDD-SWSF-082716-G	8/27/16 17:50	Be-7	-9	pCi/L	U	UF	EPA 901.1	SMP	25	43
BDD-SWSF-082716-G	8/27/16 17:50	Bi-212	24	pCi/L	U	UF	EPA 901.1	SMP	39	64
BDD-SWSF-082716-G	8/27/16 17:50	Bi-214	9	pCi/L	U	UF	EPA 901.1	SMP	12	20

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-082716-G	8/27/16 17:50	Co-60	-1.2	pCi/L	U	UF	EPA 901.1	SMP	3.3	5.7
BDD-SWSF-082716-G	8/27/16 17:50	Cs-134	-3.1	pCi/L	U	UF	EPA 901.1	SMP	2.6	4.5
BDD-SWSF-082716-G	8/27/16 17:50	Cs-137	1.8	pCi/L	U	UF	EPA 901.1	SMP	2.6	4.3
BDD-SWSF-082716-G	8/27/16 17:50	I-131	14	pCi/L	U	UF	EPA 901.1	SMP	21	35
BDD-SWSF-082716-G	8/27/16 17:50	K-40	-7	pCi/L	U	UF	EPA 901.1	SMP	74	125
BDD-SWSF-082716-G	8/27/16 17:50	Na-22	3.8	pCi/L	U	UF	EPA 901.1	SMP	3	4.8
BDD-SWSF-082716-G	8/27/16 17:50	Np-237	-0.0061	pCi/L	U	UF	HASL-300	SMP	0.0063	0.0288
BDD-SWSF-082716-G	8/27/16 17:50	Pa-234m	450	pCi/L	U	UF	EPA 901.1	SMP	470	770
BDD-SWSF-082716-G	8/27/16 17:50	Pb-212	4.5	pCi/L	U	UF	EPA 901.1	SMP	7.3	12
BDD-SWSF-082716-G	8/27/16 17:50	Pb-214	-3.5	pCi/L	U	UF	EPA 901.1	SMP	9.7	16.1
BDD-SWSF-082716-G	8/27/16 17:50	Pu-238	0.0078	pCi/L	U	UF	HASL-300	SMP	0.0048	0.0143
BDD-SWSF-082716-G	8/27/16 17:50	Pu-239/240	0.0156	pCi/L	LT	UF	HASL-300	SMP	0.0056	0.0053
BDD-SWSF-082716-G	8/27/16 17:50	Ra-226	0.54	pCi/L	LT	UF	EPA 903.1	SMP	0.11	0.14
BDD-SWSF-082716-G	8/27/16 17:50	Ra-228	0.8	pCi/L	U	UF	EPA 904.0	SMP	0.23	0.85
BDD-SWSF-082716-G	8/27/16 17:50	Sr-90	0.186	pCi/L	U	UF	ASTM 5811	SMP	0.076	0.237
BDD-SWSF-082716-G	8/27/16 17:50	SSC	0.335	g/L		UF	D3977-97	SMP		
BDD-SWSF-082716-G	8/27/16 17:50	Th-234	-16	pCi/L	U	UF	EPA 901.1	SMP	84	140
BDD-SWSF-082716-G	8/27/16 17:50	Tl-208	4.5	pCi/L	NQ	UF	EPA 901.1	SMP	2.7	4.1
BDD-SWSF-082716-G	8/27/16 17:50	U-234	1.27	pCi/L		UF	HASL-300	SMP	0.11	0.03
BDD-SWSF-082716-G	8/27/16 17:50	U-235	0.047	pCi/L	LT	UF	HASL-300	SMP	0.012	0.007
BDD-SWSF-082716-G	8/27/16 17:50	U-238	0.982	pCi/L		UF	HASL-300	SMP	0.09	0.022
BDD-SWSF-082716-H	8/27/16 18:28	Gross alpha	4.66	pCi/L		UF	EPA 900.0	SMP	0.56	1.09
BDD-SWSF-082716-H	8/27/16 18:28	Gross beta	10.22	pCi/L		UF	EPA 900.0	SMP	0.91	1.11
BDD-SWSF-082716-I	8/27/16 18:35	Ac-228	0	pCi/L	U	UF	EPA 901.1	SMP	17	28
BDD-SWSF-082716-I	8/27/16 18:35	Am-241	-0.0128	pCi/L	U	UF	HASL-300	SMP	0.0073	0.0326
BDD-SWSF-082716-I	8/27/16 18:35	Be-7	-3	pCi/L	U	UF	EPA 901.1	SMP	20	34
BDD-SWSF-082716-I	8/27/16 18:35	Bi-212	44	pCi/L	U	UF	EPA 901.1	SMP	34	54
BDD-SWSF-082716-I	8/27/16 18:35	Bi-214	1	pCi/L	U	UF	EPA 901.1	SMP	11	18
BDD-SWSF-082716-I	8/27/16 18:35	Co-60	0.1	pCi/L	U	UF	EPA 901.1	SMP	2.5	4.3
BDD-SWSF-082716-I	8/27/16 18:35	Cs-134	0.1	pCi/L	U	UF	EPA 901.1	SMP	2.2	3.8
BDD-SWSF-082716-I	8/27/16 18:35	Cs-137	-0.8	pCi/L	U	UF	EPA 901.1	SMP	2.1	3.7
BDD-SWSF-082716-I	8/27/16 18:35	I-131	-5	pCi/L	U	UF	EPA 901.1	SMP	18	30
BDD-SWSF-082716-I	8/27/16 18:35	K-40	-41	pCi/L	U	UF	EPA 901.1	SMP	65	109
BDD-SWSF-082716-I	8/27/16 18:35	Na-22	-0.7	pCi/L	U	UF	EPA 901.1	SMP	2.2	3.9
BDD-SWSF-082716-I	8/27/16 18:35	Np-237	0.0093	pCi/L	U	UF	HASL-300	SMP	0.0059	0.0173
BDD-SWSF-082716-I	8/27/16 18:35	Pa-234m	200	pCi/L	U	UF	EPA 901.1	SMP	400	660
BDD-SWSF-082716-I	8/27/16 18:35	Pb-212	-0.2	pCi/L	U	UF	EPA 901.1	SMP	6.1	10.2
BDD-SWSF-082716-I	8/27/16 18:35	Pb-214	-1.7	pCi/L	U	UF	EPA 901.1	SMP	8.7	14.5
BDD-SWSF-082716-I	8/27/16 18:35	Pu-238	0.0082	pCi/L	U	UF	HASL-300	SMP	0.005	0.0153
BDD-SWSF-082716-I	8/27/16 18:35	Pu-239/240	0.0016	pCi/L	U	UF	HASL-300	SMP	0.0044	0.0177
BDD-SWSF-082716-I	8/27/16 18:35	Ra-226	0.72	pCi/L	Y1,LT	UF	EPA 903.1	SMP	0.14	0.17
BDD-SWSF-082716-I	8/27/16 18:35	Ra-228	0.97	pCi/L	Y1,LT	UF	EPA 904.0	SMP	0.24	0.85
BDD-SWSF-082716-I	8/27/16 18:35	Sr-90	0.017	pCi/L	U	UF	ASTM 5811	SMP	0.07	0.232
BDD-SWSF-082716-I	8/27/16 18:35	SSC	0.378	g/L		UF	D3977-97	SMP		
BDD-SWSF-082716-I	8/27/16 18:35	Th-234	20	pCi/L	U	UF	EPA 901.1	SMP	40	66
BDD-SWSF-082716-I	8/27/16 18:35	Tl-208	2.8	pCi/L	U	UF	EPA 901.1	SMP	5.5	9.3
BDD-SWSF-082716-I	8/27/16 18:35	U-234	1.35	pCi/L		UF	HASL-300	SMP	0.11	0.02
BDD-SWSF-082716-I	8/27/16 18:35	U-235	0.054	pCi/L	LT	UF	HASL-300	SMP	0.012	0.015
BDD-SWSF-082716-I	8/27/16 18:35	U-238	0.995	pCi/L		UF	HASL-300	SMP	0.087	0.021
BDD-SWSF-082716-J	8/27/16 19:20	Ac-228	16	pCi/L	U	UF	EPA 901.1	SMP	11	16
BDD-SWSF-082716-J	8/27/16 19:20	Am-241	-0.0131	pCi/L	U	UF	HASL-300	SMP	0.0077	0.0335
BDD-SWSF-082716-J	8/27/16 19:20	Be-7	10	pCi/L	U	UF	EPA 901.1	SMP	23	38
BDD-SWSF-082716-J	8/27/16 19:20	Bi-212	-17	pCi/L	U	UF	EPA 901.1	SMP	82	137
BDD-SWSF-082716-J	8/27/16 19:20	Bi-214	2	pCi/L	U	UF	EPA 901.1	SMP	12	20
BDD-SWSF-082716-J	8/27/16 19:20	Co-60	-1.1	pCi/L	U	UF	EPA 901.1	SMP	2.7	4.8

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-082716-J	8/27/16 19:20	Cs-134	-1.1	pCi/L	U	UF	EPA 901.1	SMP	2.6	4.4
BDD-SWSF-082716-J	8/27/16 19:20	Cs-137	-0.7	pCi/L	U	UF	EPA 901.1	SMP	2.6	4.5
BDD-SWSF-082716-J	8/27/16 19:20	I-131	8	pCi/L	U	UF	EPA 901.1	SMP	22	37
BDD-SWSF-082716-J	8/27/16 19:20	K-40	-71	pCi/L	U	UF	EPA 901.1	SMP	76	130
BDD-SWSF-082716-J	8/27/16 19:20	Na-22	-0.1	pCi/L	U	UF	EPA 901.1	SMP	2.9	5
BDD-SWSF-082716-J	8/27/16 19:20	Np-237	0.0017	pCi/L	U	UF	HASL-300	SMP	0.0046	0.0188
BDD-SWSF-082716-J	8/27/16 19:20	Pa-234m	240	pCi/L	U	UF	EPA 901.1	SMP	450	750
BDD-SWSF-082716-J	8/27/16 19:20	Pb-212	5.5	pCi/L	U	UF	EPA 901.1	SMP	6.9	11.4
BDD-SWSF-082716-J	8/27/16 19:20	Pb-214	-5.3	pCi/L	U	UF	EPA 901.1	SMP	9.8	16.5
BDD-SWSF-082716-J	8/27/16 19:20	Pu-238	0.0132	pCi/L	U	UF	HASL-300	SMP	0.0058	0.0139
BDD-SWSF-082716-J	8/27/16 19:20	Pu-239/240	0.0076	pCi/L	U	UF	HASL-300	SMP	0.0054	0.0176
BDD-SWSF-082716-J	8/27/16 19:20	Ra-226	0.48	pCi/L	LT	UF	EPA 903.1	SMP	0.11	0.18
BDD-SWSF-082716-J	8/27/16 19:20	Ra-228	1.04	pCi/L		UF	EPA 904.0	SMP	0.26	0.89
BDD-SWSF-082716-J	8/27/16 19:20	Sr-90	0.061	pCi/L	U	UF	ASTM 5811	SMP	0.056	0.184
BDD-SWSF-082716-J	8/27/16 19:20	SSC	0.325	g/L		UF	D3977-97	SMP		
BDD-SWSF-082716-J	8/27/16 19:20	Th-234	4	pCi/L	U	UF	EPA 901.1	SMP	43	71
BDD-SWSF-082716-J	8/27/16 19:20	Tl-208	5.7	pCi/L	NQ	UF	EPA 901.1	SMP	2.7	4.1
BDD-SWSF-082716-J	8/27/16 19:20	U-234	1.3	pCi/L		UF	HASL-300	SMP	0.11	0.02
BDD-SWSF-082716-J	8/27/16 19:20	U-235	0.05	pCi/L	LT	UF	HASL-300	SMP	0.011	0.015
BDD-SWSF-082716-J	8/27/16 19:20	U-238	1.01	pCi/L		UF	HASL-300	SMP	0.088	0.013
BDD-SWSF-082716-K	8/27/16 19:28	Gross alpha	5.68	pCi/L		UF	EPA 900.0	SMP	0.65	1.14
BDD-SWSF-082716-K	8/27/16 19:28	Gross beta	9.92	pCi/L		UF	EPA 900.0	SMP	0.89	1.1
BDD-SWSF-082716-L	8/27/16 20:05	Ac-228	21	pCi/L	NQ	UF	EPA 901.1	SMP	11	16
BDD-SWSF-082716-L	8/27/16 20:05	Am-241	-0.0145	pCi/L	U	UF	HASL-300	SMP	0.0074	0.0331
BDD-SWSF-082716-L	8/27/16 20:05	Be-7	-14	pCi/L	U	UF	EPA 901.1	SMP	25	43
BDD-SWSF-082716-L	8/27/16 20:05	Bi-212	55	pCi/L	U	UF	EPA 901.1	SMP	37	59
BDD-SWSF-082716-L	8/27/16 20:05	Bi-214	1	pCi/L	U	UF	EPA 901.1	SMP	14	23
BDD-SWSF-082716-L	8/27/16 20:05	Co-60	-0.4	pCi/L	U	UF	EPA 901.1	SMP	2.7	4.6
BDD-SWSF-082716-L	8/27/16 20:05	Cs-134	-1	pCi/L	U	UF	EPA 901.1	SMP	2.7	4.6
BDD-SWSF-082716-L	8/27/16 20:05	Cs-137	-0.3	pCi/L	U	UF	EPA 901.1	SMP	2.4	4.1
BDD-SWSF-082716-L	8/27/16 20:05	I-131	19	pCi/L	U	UF	EPA 901.1	SMP	26	42
BDD-SWSF-082716-L	8/27/16 20:05	K-40	-33	pCi/L	U	UF	EPA 901.1	SMP	75	126
BDD-SWSF-082716-L	8/27/16 20:05	Na-22	0.6	pCi/L	U	UF	EPA 901.1	SMP	2.7	4.6
BDD-SWSF-082716-L	8/27/16 20:05	Np-237	-0.0054	pCi/L	U	UF	HASL-300	SMP	0.0066	0.0284
BDD-SWSF-082716-L	8/27/16 20:05	Pa-234m	-50	pCi/L	U	UF	EPA 901.1	SMP	990	1650
BDD-SWSF-082716-L	8/27/16 20:05	Pb-212	4.5	pCi/L	U	UF	EPA 901.1	SMP	8.7	14.3
BDD-SWSF-082716-L	8/27/16 20:05	Pb-214	-8	pCi/L	U	UF	EPA 901.1	SMP	12	19
BDD-SWSF-082716-L	8/27/16 20:05	Pu-238	0.0128	pCi/L	U	UF	HASL-300	SMP	0.0062	0.017
BDD-SWSF-082716-L	8/27/16 20:05	Pu-239/240	0.0183	pCi/L	LT	UF	HASL-300	SMP	0.006	0.005
BDD-SWSF-082716-L	8/27/16 20:05	Ra-226	0.338	pCi/L	Y1,LT	UF	EPA 903.1	SMP	0.092	0.191
BDD-SWSF-082716-L	8/27/16 20:05	Ra-228	0.92	pCi/L	LT	UF	EPA 904.0	SMP	0.25	0.89
BDD-SWSF-082716-L	8/27/16 20:05	Sr-90	0.121	pCi/L	U	UF	ASTM 5811	SMP	0.056	0.178
BDD-SWSF-082716-L	8/27/16 20:05	SSC	0.300	g/L		UF	D3977-97	SMP		
BDD-SWSF-082716-L	8/27/16 20:05	Th-234	-40	pCi/L	U	UF	EPA 901.1	SMP	130	210
BDD-SWSF-082716-L	8/27/16 20:05	Tl-208	0	pCi/L	U	UF	EPA 901.1	SMP	6.3	10.5
BDD-SWSF-082716-L	8/27/16 20:05	U-234	1.31	pCi/L		UF	HASL-300	SMP	0.11	0.02
BDD-SWSF-082716-L	8/27/16 20:05	U-235	0.0334	pCi/L	LT	UF	HASL-300	SMP	0.0092	0.0154
BDD-SWSF-082716-L	8/27/16 20:05	U-238	0.963	pCi/L		UF	HASL-300	SMP	0.085	0.013
BDD-SWSF-082716-M	8/27/16 20:28	Ac-228	19	pCi/L	U	UF	EPA 901.1	SMP	15	24
BDD-SWSF-082716-M	8/27/16 20:28	Am-241	-0.015	pCi/L	U	UF	HASL-300	SMP	0.011	0.048
BDD-SWSF-082716-M	8/27/16 20:28	Be-7	-6	pCi/L	U	UF	EPA 901.1	SMP	41	69
BDD-SWSF-082716-M	8/27/16 20:28	Bi-212	48	pCi/L	U	UF	EPA 901.1	SMP	58	95
BDD-SWSF-082716-M	8/27/16 20:28	Bi-214	1	pCi/L	U	UF	EPA 901.1	SMP	19	31
BDD-SWSF-082716-M	8/27/16 20:28	Co-60	-0.8	pCi/L	U	UF	EPA 901.1	SMP	4.4	7.6
BDD-SWSF-082716-M	8/27/16 20:28	Cs-134	-3.4	pCi/L	U	UF	EPA 901.1	SMP	5.5	9.4

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-082716-M	8/27/16 20:28	Cs-137	-1.3	pCi/L	U	UF	EPA 901.1	SMP	3.8	6.6
BDD-SWSF-082716-M	8/27/16 20:28	I-131	-14	pCi/L	U	UF	EPA 901.1	SMP	37	63
BDD-SWSF-082716-M	8/27/16 20:28	K-40	30	pCi/L	U	UF	EPA 901.1	SMP	100	170
BDD-SWSF-082716-M	8/27/16 20:28	Na-22	-3.6	pCi/L	U	UF	EPA 901.1	SMP	4.4	7.9
BDD-SWSF-082716-M	8/27/16 20:28	Pa-234m	420	pCi/L	U	UF	EPA 901.1	SMP	620	1020
BDD-SWSF-082716-M	8/27/16 20:28	Pb-212	6	pCi/L	U	UF	EPA 901.1	SMP	11	19
BDD-SWSF-082716-M	8/27/16 20:28	Pb-214	11	pCi/L	U	UF	EPA 901.1	SMP	7.5	11.9
BDD-SWSF-082716-M	8/27/16 20:28	Pu-238	0.0136	pCi/L	U	UF	HASL-300	SMP	0.0072	0.0199
BDD-SWSF-082716-M	8/27/16 20:28	Pu-239/240	0.035	pCi/L	LT	UF	HASL-300	SMP	0.01	0.007
BDD-SWSF-082716-M	8/27/16 20:28	Sr-90	-0.099	pCi/L	U	UF	ASTM 5811	SMP	0.07	0.234
BDD-SWSF-082716-M	8/27/16 20:28	SSC	0.330	g/L		UF	D3977-97	SMP		
BDD-SWSF-082716-M	8/27/16 20:28	Th-234	0	pCi/L	U	UF	EPA 901.1	SMP	110	190
BDD-SWSF-082716-M	8/27/16 20:28	Tl-208	2.2	pCi/L	U	UF	EPA 901.1	SMP	9	14.9
BDD-SWSF-082716-M	8/27/16 20:28	U-234	1.37	pCi/L		UF	HASL-300	SMP	0.12	0.03
BDD-SWSF-082716-M	8/27/16 20:28	U-235	0.082	pCi/L	LT	UF	HASL-300	SMP	0.018	0.009
BDD-SWSF-082716-M	8/27/16 20:28	U-238	0.97	pCi/L		UF	HASL-300	SMP	0.091	0.02
BDD-SWSF-082716-N	8/27/16 21:28	Ac-228	-1	pCi/L	U	UF	EPA 901.1	SMP	42	70
BDD-SWSF-082716-N	8/27/16 21:28	Am-241	-0.0177	pCi/L	U	UF	HASL-300	SMP	0.0096	0.0448
BDD-SWSF-082716-N	8/27/16 21:28	Be-7	44	pCi/L	U	UF	EPA 901.1	SMP	48	78
BDD-SWSF-082716-N	8/27/16 21:28	Bi-212	66	pCi/L	U	UF	EPA 901.1	SMP	71	116
BDD-SWSF-082716-N	8/27/16 21:28	Bi-214	-2	pCi/L	U	UF	EPA 901.1	SMP	22	37
BDD-SWSF-082716-N	8/27/16 21:28	Co-60	2.8	pCi/L	U	UF	EPA 901.1	SMP	6.3	10.5
BDD-SWSF-082716-N	8/27/16 21:28	Cs-134	0.1	pCi/L	U	UF	EPA 901.1	SMP	7.7	12.8
BDD-SWSF-082716-N	8/27/16 21:28	Cs-137	-1.8	pCi/L	U	UF	EPA 901.1	SMP	5	8.5
BDD-SWSF-082716-N	8/27/16 21:28	I-131	-30	pCi/L	U	UF	EPA 901.1	SMP	43	73
BDD-SWSF-082716-N	8/27/16 21:28	K-40	10	pCi/L	U	UF	EPA 901.1	SMP	140	240
BDD-SWSF-082716-N	8/27/16 21:28	Na-22	1	pCi/L	U	UF	EPA 901.1	SMP	6.2	10.5
BDD-SWSF-082716-N	8/27/16 21:28	Pa-234m	480	pCi/L	U	UF	EPA 901.1	SMP	940	1560
BDD-SWSF-082716-N	8/27/16 21:28	Pb-212	-1	pCi/L	U	UF	EPA 901.1	SMP	11	19
BDD-SWSF-082716-N	8/27/16 21:28	Pb-214	10.8	pCi/L	U	UF	EPA 901.1	SMP	9	14.4
BDD-SWSF-082716-N	8/27/16 21:28	Pu-238	0.0097	pCi/L	U	UF	HASL-300	SMP	0.006	0.0179
BDD-SWSF-082716-N	8/27/16 21:28	Pu-239/240	0.0218	pCi/L	LT	UF	HASL-300	SMP	0.0082	0.0179
BDD-SWSF-082716-N	8/27/16 21:28	Sr-90	-0.04	pCi/L	U	UF	ASTM 5811	SMP	0.064	0.213
BDD-SWSF-082716-N	8/27/16 21:28	SSC	0.315	g/L	J	UF	D3977-97	SMP		
BDD-SWSF-082716-N	8/27/16 21:28	Th-234	20	pCi/L	U	UF	EPA 901.1	SMP	120	200
BDD-SWSF-082716-N	8/27/16 21:28	Tl-208	10	pCi/L	NQ	UF	EPA 901.1	SMP	5.2	8.1
BDD-SWSF-082716-N	8/27/16 21:28	U-234	1.18	pCi/L		UF	HASL-300	SMP	0.11	0.03
BDD-SWSF-082716-N	8/27/16 21:28	U-235	0.041	pCi/L	LT	UF	HASL-300	SMP	0.012	0.022
BDD-SWSF-082716-N	8/27/16 21:28	U-238	0.833	pCi/L		UF	HASL-300	SMP	0.079	0.023
BDD-SWBF-101116-A	10/11/16 8:14	Ac-228	-6	pCi/L	U	UF	EPA 901.1	DUP	24	40
BDD-SWBF-101116-A	10/11/16 8:14	Ac-228	12	pCi/L	U	UF	EPA 901.1	SMP	16	29
BDD-SWBF-101116-A	10/11/16 8:14	Am-241	0.008	pCi/L	U	UF	HASL-300	SMP	0.01	0.036
BDD-SWBF-101116-A	10/11/16 8:14	Be-7	-5	pCi/L	U	UF	EPA 901.1	DUP	24	40
BDD-SWBF-101116-A	10/11/16 8:14	Be-7	-4	pCi/L	U	UF	EPA 901.1	SMP	28	47
BDD-SWBF-101116-A	10/11/16 8:14	Bi-212	56	pCi/L	U	UF	EPA 901.1	DUP	41	65
BDD-SWBF-101116-A	10/11/16 8:14	Bi-212	40	pCi/L	U	UF	EPA 901.1	SMP	51	84
BDD-SWBF-101116-A	10/11/16 8:14	Bi-214	4	pCi/L	U	UF	EPA 901.1	DUP	14	23
BDD-SWBF-101116-A	10/11/16 8:14	Bi-214	16.6	pCi/L	NQ	UF	EPA 901.1	SMP	8.7	13.4
BDD-SWBF-101116-A	10/11/16 8:14	Co-60	-1.9	pCi/L	U	UF	EPA 901.1	DUP	3.1	5.6
BDD-SWBF-101116-A	10/11/16 8:14	Co-60	3.9	pCi/L	U	UF	EPA 901.1	SMP	5.1	8.4
BDD-SWBF-101116-A	10/11/16 8:14	Cs-134	-0.6	pCi/L	U	UF	EPA 901.1	DUP	4.1	6.9
BDD-SWBF-101116-A	10/11/16 8:14	Cs-134	-1.3	pCi/L	U	UF	EPA 901.1	SMP	3.9	6.8
BDD-SWBF-101116-A	10/11/16 8:14	Cs-137	-2.9	pCi/L	U	UF	EPA 901.1	DUP	2.9	5
BDD-SWBF-101116-A	10/11/16 8:14	Cs-137	-2.4	pCi/L	U	UF	EPA 901.1	SMP	3.8	6.6
BDD-SWBF-101116-A	10/11/16 8:14	Gross alpha	4.24	pCi/L		UF	EPA 900.0	SMP	0.56	1.16

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWBF-101116-A	10/11/16 8:14	Gross beta	5.18	pCi/L		UF	EPA 900.0	SMP	0.63	1.46
BDD-SWBF-101116-A	10/11/16 8:14	I-131	-2.8	pCi/L	U	UF	EPA 901.1	DUP	6.8	11.6
BDD-SWBF-101116-A	10/11/16 8:14	I-131	-4.4	pCi/L	U	UF	EPA 901.1	SMP	5.6	9.6
BDD-SWBF-101116-A	10/11/16 8:14	K-40	37	pCi/L	U	UF	EPA 901.1	DUP	74	122
BDD-SWBF-101116-A	10/11/16 8:14	K-40	-30	pCi/L	U	UF	EPA 901.1	SMP	110	190
BDD-SWBF-101116-A	10/11/16 8:14	Na-22	-1.6	pCi/L	U	UF	EPA 901.1	DUP	3	5.4
BDD-SWBF-101116-A	10/11/16 8:14	Na-22	-5	pCi/L	U	UF	EPA 901.1	SMP	5	8.8
BDD-SWBF-101116-A	10/11/16 8:14	Np-237	0	pCi/L	U	UF	HASL-300	SMP	0.0068	0.0274
BDD-SWBF-101116-A	10/11/16 8:14	Pa-234m	30	pCi/L	U	UF	EPA 901.1	DUP	470	810
BDD-SWBF-101116-A	10/11/16 8:14	Pa-234m	-270	pCi/L	U	UF	EPA 901.1	SMP	730	1250
BDD-SWBF-101116-A	10/11/16 8:14	Pb-212	0.3	pCi/L	U	UF	EPA 901.1	DUP	7.9	13.1
BDD-SWBF-101116-A	10/11/16 8:14	Pb-212	-2.6	pCi/L	U	UF	EPA 901.1	SMP	8.9	14.9
BDD-SWBF-101116-A	10/11/16 8:14	Pb-214	-8	pCi/L	U,D	UF	EPA 901.1	DUP	12	21
BDD-SWBF-101116-A	10/11/16 8:14	Pb-214	12.2	pCi/L	NQ	UF	EPA 901.1	SMP	7	10.9
BDD-SWBF-101116-A	10/11/16 8:14	Pu-238	0.0036	pCi/L	U	UF	HASL-300	SMP	0.0044	0.0166
BDD-SWBF-101116-A	10/11/16 8:14	Pu-239/240	0.0196	pCi/L	LT	UF	HASL-300	SMP	0.0066	0.0131
BDD-SWBF-101116-A	10/11/16 8:14	Ra-226	0.46	pCi/L	LT	UF	EPA 903.1	SMP	0.12	0.23
BDD-SWBF-101116-A	10/11/16 8:14	Ra-228	0.36	pCi/L	U,M	UF	EPA 904.0	SMP	0.25	1.08
BDD-SWBF-101116-A	10/11/16 8:14	Sr-90	0.042	pCi/L	U	UF	ASTM 5811	SMP	0.043	0.141
BDD-SWBF-101116-A	10/11/16 8:14	SSC	0.206	g/L		UF	D3977-97	SMP		
BDD-SWBF-101116-A	10/11/16 8:14	Th-234	14	pCi/L	U	UF	EPA 901.1	DUP	80	141
BDD-SWBF-101116-A	10/11/16 8:14	Th-234	4	pCi/L	U	UF	EPA 901.1	SMP	87	145
BDD-SWBF-101116-A	10/11/16 8:14	Tl-208	3.9	pCi/L	U	UF	EPA 901.1	DUP	3	4.9
BDD-SWBF-101116-A	10/11/16 8:14	Tl-208	7.1	pCi/L	NQ	UF	EPA 901.1	SMP	3.8	5.9
BDD-SWBF-101116-A	10/11/16 8:14	U-234	1.54	pCi/L		UF	HASL-300	SMP	0.13	0.02
BDD-SWBF-101116-A	10/11/16 8:14	U-235	0.059	pCi/L	LT	UF	HASL-300	SMP	0.013	0.007
BDD-SWBF-101116-A	10/11/16 8:14	U-238	1.09	pCi/L		UF	HASL-300	SMP	0.097	0.028
BDD-SWBF-050917-A	5/9/17 15:45	Ac-228	8	pCi/L	U	UF	EPA 901.1	SMP	19	32
BDD-SWBF-050917-A	5/9/17 15:45	Am-241	-0.0038	pCi/L	U	UF	HASL-300	SMP	0.0085	0.0338
BDD-SWBF-050917-A	5/9/17 15:45	Be-7	-5	pCi/L	U	UF	EPA 901.1	SMP	29	50
BDD-SWBF-050917-A	5/9/17 15:45	Bi-212	39	pCi/L	U	UF	EPA 901.1	SMP	39	64
BDD-SWBF-050917-A	5/9/17 15:45	Bi-214	-4	pCi/L	U	UF	EPA 901.1	SMP	12	20
BDD-SWBF-050917-A	5/9/17 15:45	Co-60	-0.8	pCi/L	U	UF	EPA 901.1	SMP	3.3	5.6
BDD-SWBF-050917-A	5/9/17 15:45	Cs-134	-4	pCi/L	U	UF	EPA 901.1	SMP	3	5.2
BDD-SWBF-050917-A	5/9/17 15:45	Cs-137	0.1	pCi/L	U	UF	EPA 901.1	SMP	2.7	4.5
BDD-SWBF-050917-A	5/9/17 15:45	Gross alpha	4.38	pCi/L		UF	EPA 900.0	SMP	0.51	0.88
BDD-SWBF-050917-A	5/9/17 15:45	Gross beta	8.52	pCi/L		UF	EPA 900.0	SMP	0.79	1.09
BDD-SWBF-050917-A	5/9/17 15:45	I-131	-2	pCi/L	U	UF	EPA 901.1	SMP	35	59
BDD-SWBF-050917-A	5/9/17 15:45	K-40	-25	pCi/L	U	UF	EPA 901.1	SMP	79	133
BDD-SWBF-050917-A	5/9/17 15:45	Na-22	0.3	pCi/L	U	UF	EPA 901.1	SMP	3.3	5.6
BDD-SWBF-050917-A	5/9/17 15:45	Pa-234m	590	pCi/L	U	UF	EPA 901.1	SMP	460	730
BDD-SWBF-050917-A	5/9/17 15:45	Pb-212	4.1	pCi/L	U	UF	EPA 901.1	SMP	7.3	12
BDD-SWBF-050917-A	5/9/17 15:45	Pb-214	-5	pCi/L	U	UF	EPA 901.1	SMP	11	18
BDD-SWBF-050917-A	5/9/17 15:45	Pu-238	0.0086	pCi/L	U	UF	HASL-300	SMP	0.0071	0.0212
BDD-SWBF-050917-A	5/9/17 15:45	Pu-239/240	0.0115	pCi/L	U	UF	HASL-300	SMP	0.0082	0.0267
BDD-SWBF-050917-A	5/9/17 15:45	Sr-90	0.134	pCi/L	U	UF	ASTM 5811	SMP	0.073	0.233
BDD-SWBF-050917-A	5/9/17 15:45	SSC	0.352	g/L		UF	D3977-97	SMP		
BDD-SWBF-050917-A	5/9/17 15:45	Th-234	-27	pCi/L	U	UF	EPA 901.1	SMP	75	125
BDD-SWBF-050917-A	5/9/17 15:45	Tl-208	0.3	pCi/L	U	UF	EPA 901.1	SMP	5.7	9.6
BDD-SWBF-050917-A	5/9/17 15:45	U-234	0.687	pCi/L		UF	HASL-300	SMP	0.065	0.027
BDD-SWBF-050917-A	5/9/17 15:45	U-235	0.0192	pCi/L	U	UF	HASL-300	SMP	0.0084	0.0223
BDD-SWBF-050917-A	5/9/17 15:45	U-238	0.481	pCi/L		UF	HASL-300	SMP	0.049	0.019
BDD-SWSF-052917-A	5/29/17 14:11	Ac-228	13.9	pCi/L	NQ	UF	EPA 901.1	SMP	5.6	12.9
BDD-SWSF-052917-A	5/29/17 14:11	Am-241	-0.008	pCi/L	U	UF	HASL-300	SMP	0.0078	0.0327
BDD-SWSF-052917-A	5/29/17 14:11	Be-7	6	pCi/L	U	UF	EPA 901.1	SMP	17	29

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-052917-A	5/29/17 14:11	Bi-212	16	pCi/L	U	UF	EPA 901.1	SMP	34	56
BDD-SWSF-052917-A	5/29/17 14:11	Bi-214	2.4	pCi/L	U	UF	EPA 901.1	SMP	9.8	16.3
BDD-SWSF-052917-A	5/29/17 14:11	Co-60	-0.6	pCi/L	U	UF	EPA 901.1	SMP	2.6	4.5
BDD-SWSF-052917-A	5/29/17 14:11	Cs-134	-0.1	pCi/L	U	UF	EPA 901.1	SMP	2.2	3.8
BDD-SWSF-052917-A	5/29/17 14:11	Cs-137	-2	pCi/L	U	UF	EPA 901.1	SMP	2.2	3.8
BDD-SWSF-052917-A	5/29/17 14:11	Gross alpha	1.27	pCi/L	LT	UF	EPA 900.0	SMP	0.24	0.63
BDD-SWSF-052917-A	5/29/17 14:11	Gross beta	4.46	pCi/L		UF	EPA 900.0	SMP	0.51	1.11
BDD-SWSF-052917-A	5/29/17 14:11	I-131	-0.1	pCi/L	U	UF	EPA 901.1	SMP	5.7	9.6
BDD-SWSF-052917-A	5/29/17 14:11	K-40	-2	pCi/L	U	UF	EPA 901.1	SMP	61	103
BDD-SWSF-052917-A	5/29/17 14:11	Na-22	-0.8	pCi/L	U	UF	EPA 901.1	SMP	2.4	4.2
BDD-SWSF-052917-A	5/29/17 14:11	Pa-234m	470	pCi/L	U	UF	EPA 901.1	SMP	420	670
BDD-SWSF-052917-A	5/29/17 14:11	Pb-212	-1.9	pCi/L	U	UF	EPA 901.1	SMP	6.7	11.1
BDD-SWSF-052917-A	5/29/17 14:11	Pb-214	8.4	pCi/L	NQ	UF	EPA 901.1	SMP	4.6	7.1
BDD-SWSF-052917-A	5/29/17 14:11	Pu-238	0.0199	pCi/L	LT	UF	HASL-300	SMP	0.0072	0.0068
BDD-SWSF-052917-A	5/29/17 14:11	Pu-239/240	0.0075	pCi/L	LT	UF	HASL-300	SMP	0.0061	0.0067
BDD-SWSF-052917-A	5/29/17 14:11	Sr-90	0.017	pCi/L	U	UF	ASTM 5811	DUP	0.05	0.166
BDD-SWSF-052917-A	5/29/17 14:11	Sr-90	0.247	pCi/L	LT	UF	ASTM 5811	SMP	0.068	0.199
BDD-SWSF-052917-A	5/29/17 14:11	SSC	0.149	g/L		UF	D3977-97	SMP		
BDD-SWSF-052917-A	5/29/17 14:11	Th-234	9	pCi/L	U	UF	EPA 901.1	SMP	40	67
BDD-SWSF-052917-A	5/29/17 14:11	Tl-208	1.2	pCi/L	U	UF	EPA 901.1	SMP	4.5	7.5
BDD-SWSF-052917-A	5/29/17 14:11	U-234	0.469	pCi/L		UF	HASL-300	SMP	0.049	0.03
BDD-SWSF-052917-A	5/29/17 14:11	U-235	-0.0027	pCi/L	U	UF	HASL-300	SMP	0.007	0.0319
BDD-SWSF-052917-A	5/29/17 14:11	U-238	0.32	pCi/L		UF	HASL-300	SMP	0.037	0.024
BDD-SWSF-052917-B	5/29/17 14:42	Ac-228	14.9	pCi/L	U	UF	EPA 901.1	SMP	8.5	15.4
BDD-SWSF-052917-B	5/29/17 14:42	Am-241	-0.009	pCi/L	U	UF	HASL-300	SMP	0.008	0.0338
BDD-SWSF-052917-B	5/29/17 14:42	Be-7	1	pCi/L	U	UF	EPA 901.1	SMP	22	37
BDD-SWSF-052917-B	5/29/17 14:42	Bi-212	39	pCi/L	U	UF	EPA 901.1	SMP	37	60
BDD-SWSF-052917-B	5/29/17 14:42	Bi-214	17.2	pCi/L	NQ	UF	EPA 901.1	SMP	6.3	9.1
BDD-SWSF-052917-B	5/29/17 14:42	Co-60	1.1	pCi/L	U	UF	EPA 901.1	SMP	3	5.1
BDD-SWSF-052917-B	5/29/17 14:42	Cs-134	-1.9	pCi/L	U	UF	EPA 901.1	SMP	2.8	5
BDD-SWSF-052917-B	5/29/17 14:42	Cs-137	-1.2	pCi/L	U	UF	EPA 901.1	SMP	2.9	5
BDD-SWSF-052917-B	5/29/17 14:42	Gross alpha	1.69	pCi/L	LT	UF	EPA 900.0	SMP	0.29	0.73
BDD-SWSF-052917-B	5/29/17 14:42	Gross beta	4.45	pCi/L		UF	EPA 900.0	SMP	0.5	1.07
BDD-SWSF-052917-B	5/29/17 14:42	I-131	7.9	pCi/L	U	UF	EPA 901.1	SMP	6	9.7
BDD-SWSF-052917-B	5/29/17 14:42	K-40	62	pCi/L	U	UF	EPA 901.1	SMP	75	122
BDD-SWSF-052917-B	5/29/17 14:42	Na-22	0.6	pCi/L	U	UF	EPA 901.1	SMP	3.2	5.4
BDD-SWSF-052917-B	5/29/17 14:42	Pa-234m	-330	pCi/L	U	UF	EPA 901.1	SMP	870	1470
BDD-SWSF-052917-B	5/29/17 14:42	Pb-212	5.4	pCi/L	U	UF	EPA 901.1	SMP	9.4	15.4
BDD-SWSF-052917-B	5/29/17 14:42	Pb-214	0	pCi/L	U	UF	EPA 901.1	SMP	11	18
BDD-SWSF-052917-B	5/29/17 14:42	Pu-238	0.0228	pCi/L	LT	UF	HASL-300	SMP	0.0078	0.0069
BDD-SWSF-052917-B	5/29/17 14:42	Pu-239/240	0.0126	pCi/L	U	UF	HASL-300	SMP	0.0077	0.0235
BDD-SWSF-052917-B	5/29/17 14:42	Sr-90	0.13	pCi/L	U	UF	ASTM 5811	SMP	0.056	0.177
BDD-SWSF-052917-B	5/29/17 14:42	SSC	0.149	g/L		UF	D3977-97	SMP		
BDD-SWSF-052917-B	5/29/17 14:42	Th-234	9	pCi/L	U	UF	EPA 901.1	SMP	48	79
BDD-SWSF-052917-B	5/29/17 14:42	Tl-208	5.1	pCi/L	NQ	UF	EPA 901.1	SMP	3	4.6
BDD-SWSF-052917-B	5/29/17 14:42	U-234	0.503	pCi/L		UF	HASL-300	SMP	0.051	0.028
BDD-SWSF-052917-B	5/29/17 14:42	U-235	0	pCi/L	U	UF	HASL-300	SMP	0.007	0.0299
BDD-SWSF-052917-B	5/29/17 14:42	U-238	0.323	pCi/L		UF	HASL-300	SMP	0.036	0.016
BDD-SWSF-052917-C	5/29/17 14:56	Ac-228	11	pCi/L	U	UF	EPA 901.1	SMP	12	19
BDD-SWSF-052917-C	5/29/17 14:56	Am-241	-0.0125	pCi/L	U	UF	HASL-300	SMP	0.0076	0.0336
BDD-SWSF-052917-C	5/29/17 14:56	Be-7	-1	pCi/L	U	UF	EPA 901.1	SMP	24	41
BDD-SWSF-052917-C	5/29/17 14:56	Bi-212	43	pCi/L	U	UF	EPA 901.1	SMP	41	67
BDD-SWSF-052917-C	5/29/17 14:56	Bi-214	5	pCi/L	U	UF	EPA 901.1	SMP	15	24
BDD-SWSF-052917-C	5/29/17 14:56	Co-60	0.1	pCi/L	U	UF	EPA 901.1	SMP	3.7	6.4
BDD-SWSF-052917-C	5/29/17 14:56	Cs-134	5.1	pCi/L	NQ	UF	EPA 901.1	SMP	2.7	4.3

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-052917-C	5/29/17 14:56	Cs-137	-0.8	pCi/L	U	UF	EPA 901.1	SMP	2.8	4.9
BDD-SWSF-052917-C	5/29/17 14:56	Gross alpha	2.78	pCi/L	LT	UF	EPA 900.0	SMP	0.37	0.75
BDD-SWSF-052917-C	5/29/17 14:56	Gross beta	5.73	pCi/L		UF	EPA 900.0	SMP	0.59	1.09
BDD-SWSF-052917-C	5/29/17 14:56	I-131	-8	pCi/L	U	UF	EPA 901.1	SMP	7.5	12.8
BDD-SWSF-052917-C	5/29/17 14:56	K-40	39	pCi/L	U	UF	EPA 901.1	SMP	95	157
BDD-SWSF-052917-C	5/29/17 14:56	Na-22	0	pCi/L	U	UF	EPA 901.1	SMP	3.6	6.1
BDD-SWSF-052917-C	5/29/17 14:56	Pa-234m	-20	pCi/L	U	UF	EPA 901.1	SMP	540	920
BDD-SWSF-052917-C	5/29/17 14:56	Pb-212	-1.3	pCi/L	U	UF	EPA 901.1	SMP	7.8	12.9
BDD-SWSF-052917-C	5/29/17 14:56	Pb-214	2.8	pCi/L	U	UF	EPA 901.1	SMP	5.4	8.9
BDD-SWSF-052917-C	5/29/17 14:56	Pu-238	0.0119	pCi/L	U	UF	HASL-300	SMP	0.0072	0.022
BDD-SWSF-052917-C	5/29/17 14:56	Pu-239/240	0.0142	pCi/L	U	UF	HASL-300	SMP	0.0068	0.0174
BDD-SWSF-052917-C	5/29/17 14:56	Sr-90	-0.011	pCi/L	U	UF	ASTM 5811	SMP	0.057	0.191
BDD-SWSF-052917-C	5/29/17 14:56	SSC	0.193	g/L		UF	D3977-97	SMP		
BDD-SWSF-052917-C	5/29/17 14:56	Th-234	-23	pCi/L	U	UF	EPA 901.1	SMP	71	118
BDD-SWSF-052917-C	5/29/17 14:56	Tl-208	5.1	pCi/L	NQ	UF	EPA 901.1	SMP	3.1	4.8
BDD-SWSF-052917-C	5/29/17 14:56	U-234	0.56	pCi/L		UF	HASL-300	SMP	0.055	0.019
BDD-SWSF-052917-C	5/29/17 14:56	U-235	0.0122	pCi/L	U	UF	HASL-300	SMP	0.0065	0.018
BDD-SWSF-052917-C	5/29/17 14:56	U-238	0.295	pCi/L		UF	HASL-300	SMP	0.034	0.022
BDD-SWSF-052917-D	5/29/17 15:12	Ac-228	3	pCi/L	U	UF	EPA 901.1	SMP	19	32
BDD-SWSF-052917-D	5/29/17 15:12	Am-241	-0.0035	pCi/L	U	UF	HASL-300	DUP	0.0086	0.0341
BDD-SWSF-052917-D	5/29/17 15:12	Am-241	-0.0079	pCi/L	U	UF	HASL-300	SMP	0.0075	0.0318
BDD-SWSF-052917-D	5/29/17 15:12	Be-7	13	pCi/L	U	UF	EPA 901.1	SMP	24	39
BDD-SWSF-052917-D	5/29/17 15:12	Bi-212	52	pCi/L	U	UF	EPA 901.1	SMP	39	61
BDD-SWSF-052917-D	5/29/17 15:12	Bi-214	7.7	pCi/L	U	UF	EPA 901.1	SMP	9.6	20.7
BDD-SWSF-052917-D	5/29/17 15:12	Co-60	1.6	pCi/L	U	UF	EPA 901.1	SMP	3.3	5.5
BDD-SWSF-052917-D	5/29/17 15:12	Cs-134	1.8	pCi/L	U	UF	EPA 901.1	SMP	3.9	6.3
BDD-SWSF-052917-D	5/29/17 15:12	Cs-137	-0.2	pCi/L	U	UF	EPA 901.1	SMP	2.6	4.5
BDD-SWSF-052917-D	5/29/17 15:12	Gross alpha	7.95	pCi/L		UF	EPA 900.0	SMP	0.85	1.29
BDD-SWSF-052917-D	5/29/17 15:12	Gross beta	13.4	pCi/L		UF	EPA 900.0	SMP	1.2	1.4
BDD-SWSF-052917-D	5/29/17 15:12	I-131	1.6	pCi/L	U	UF	EPA 901.1	SMP	6.9	11.6
BDD-SWSF-052917-D	5/29/17 15:12	K-40	-24	pCi/L	U	UF	EPA 901.1	SMP	79	133
BDD-SWSF-052917-D	5/29/17 15:12	Na-22	-1.2	pCi/L	U	UF	EPA 901.1	SMP	3.2	5.5
BDD-SWSF-052917-D	5/29/17 15:12	Pa-234m	230	pCi/L	U	UF	EPA 901.1	SMP	460	770
BDD-SWSF-052917-D	5/29/17 15:12	Pb-212	2.4	pCi/L	U	UF	EPA 901.1	SMP	7.1	11.8
BDD-SWSF-052917-D	5/29/17 15:12	Pb-214	-1	pCi/L	U	UF	EPA 901.1	SMP	11	18
BDD-SWSF-052917-D	5/29/17 15:12	Pu-238	0.0074	pCi/L	U	UF	HASL-300	DUP	0.0075	0.0267
BDD-SWSF-052917-D	5/29/17 15:12	Pu-238	0.0175	pCi/L	U	UF	HASL-300	SMP	0.0083	0.0236
BDD-SWSF-052917-D	5/29/17 15:12	Pu-239/240	0.0248	pCi/L	LT	UF	HASL-300	DUP	0.0081	0.0067
BDD-SWSF-052917-D	5/29/17 15:12	Pu-239/240	0.0088	pCi/L	U	UF	HASL-300	SMP	0.0054	0.0161
BDD-SWSF-052917-D	5/29/17 15:12	Sr-90	0.295	pCi/L	LT	UF	ASTM 5811	SMP	0.071	0.2
BDD-SWSF-052917-D	5/29/17 15:12	SSC	0.419	g/L		UF	D3977-97	SMP		
BDD-SWSF-052917-D	5/29/17 15:12	Th-234	-26	pCi/L	U	UF	EPA 901.1	SMP	77	129
BDD-SWSF-052917-D	5/29/17 15:12	Tl-208	-1	pCi/L	U	UF	EPA 901.1	SMP	5.5	9.2
BDD-SWSF-052917-D	5/29/17 15:12	U-234	0.606	pCi/L		UF	HASL-300	SMP	0.059	0.026
BDD-SWSF-052917-D	5/29/17 15:12	U-234	0.603	pCi/L		UF	HASL-300	DUP	0.058	0.018
BDD-SWSF-052917-D	5/29/17 15:12	U-235	0.0303	pCi/L	LT	UF	HASL-300	DUP	0.0087	0.0063
BDD-SWSF-052917-D	5/29/17 15:12	U-235	0.028	pCi/L	LT	UF	HASL-300	SMP	0.01	0.023
BDD-SWSF-052917-D	5/29/17 15:12	U-238	0.441	pCi/L		UF	HASL-300	DUP	0.045	0.021
BDD-SWSF-052917-D	5/29/17 15:12	U-238	0.368	pCi/L		UF	HASL-300	SMP	0.04	0.02
BDD-SWSF-052917-E	5/29/17 15:41	Ac-228	18.8	pCi/L	NQ	UF	EPA 901.1	SMP	9.6	14.5
BDD-SWSF-052917-E	5/29/17 15:41	Ac-228	19	pCi/L	NQ	UF	EPA 901.1	DUP	10	16
BDD-SWSF-052917-E	5/29/17 15:41	Am-241	-0.0087	pCi/L	U	UF	HASL-300	SMP	0.0081	0.0342
BDD-SWSF-052917-E	5/29/17 15:41	Be-7	-4	pCi/L	U	UF	EPA 901.1	SMP	18	30
BDD-SWSF-052917-E	5/29/17 15:41	Be-7	8	pCi/L	U	UF	EPA 901.1	DUP	23	39
BDD-SWSF-052917-E	5/29/17 15:41	Bi-212	29	pCi/L	U	UF	EPA 901.1	SMP	33	54

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-052917-E	5/29/17 15:41	Bi-212	8	pCi/L	U	UF	EPA 901.1	DUP	39	66
BDD-SWSF-052917-E	5/29/17 15:41	Bi-214	6.1	pCi/L	U	UF	EPA 901.1	SMP	8.5	16.9
BDD-SWSF-052917-E	5/29/17 15:41	Bi-214	3.5	pCi/L	U	UF	EPA 901.1	DUP	3.6	5.9
BDD-SWSF-052917-E	5/29/17 15:41	Co-60	0.9	pCi/L	U	UF	EPA 901.1	SMP	2.6	4.3
BDD-SWSF-052917-E	5/29/17 15:41	Co-60	1	pCi/L	U	UF	EPA 901.1	DUP	3.2	5.4
BDD-SWSF-052917-E	5/29/17 15:41	Cs-134	2.5	pCi/L	U	UF	EPA 901.1	SMP	3.2	5.2
BDD-SWSF-052917-E	5/29/17 15:41	Cs-134	-2.8	pCi/L	U,D	UF	EPA 901.1	DUP	2.9	5
BDD-SWSF-052917-E	5/29/17 15:41	Cs-137	-2.2	pCi/L	U	UF	EPA 901.1	SMP	2.3	4
BDD-SWSF-052917-E	5/29/17 15:41	Cs-137	1.9	pCi/L	U,D	UF	EPA 901.1	DUP	2.7	4.4
BDD-SWSF-052917-E	5/29/17 15:41	Gross alpha	4.01	pCi/L		UF	EPA 900.0	DUP	0.48	0.87
BDD-SWSF-052917-E	5/29/17 15:41	Gross alpha	5.51	pCi/L		UF	EPA 900.0	SMP	0.6	0.92
BDD-SWSF-052917-E	5/29/17 15:41	Gross beta	7.86	pCi/L		UF	EPA 900.0	DUP	0.74	1.09
BDD-SWSF-052917-E	5/29/17 15:41	Gross beta	7.79	pCi/L		UF	EPA 900.0	SMP	0.74	1.15
BDD-SWSF-052917-E	5/29/17 15:41	I-131	2.8	pCi/L	U	UF	EPA 901.1	SMP	6.1	10.1
BDD-SWSF-052917-E	5/29/17 15:41	I-131	-5.3	pCi/L	U	UF	EPA 901.1	DUP	7.7	13.1
BDD-SWSF-052917-E	5/29/17 15:41	K-40	16	pCi/L	U	UF	EPA 901.1	SMP	62	103
BDD-SWSF-052917-E	5/29/17 15:41	K-40	13	pCi/L	U	UF	EPA 901.1	DUP	82	137
BDD-SWSF-052917-E	5/29/17 15:41	Na-22	-0.4	pCi/L	U	UF	EPA 901.1	SMP	2.5	4.3
BDD-SWSF-052917-E	5/29/17 15:41	Na-22	-4.4	pCi/L	U	UF	EPA 901.1	DUP	3.3	5.8
BDD-SWSF-052917-E	5/29/17 15:41	Pa-234m	360	pCi/L	U	UF	EPA 901.1	DUP	480	780
BDD-SWSF-052917-E	5/29/17 15:41	Pa-234m	-80	pCi/L	U	UF	EPA 901.1	SMP	420	710
BDD-SWSF-052917-E	5/29/17 15:41	Pb-212	-2.1	pCi/L	U	UF	EPA 901.1	SMP	6.7	11.1
BDD-SWSF-052917-E	5/29/17 15:41	Pb-212	2.8	pCi/L	U	UF	EPA 901.1	DUP	6.9	11.5
BDD-SWSF-052917-E	5/29/17 15:41	Pb-214	-5.3	pCi/L	U	UF	EPA 901.1	SMP	9.1	15.3
BDD-SWSF-052917-E	5/29/17 15:41	Pb-214	-3	pCi/L	U	UF	EPA 901.1	DUP	11	19
BDD-SWSF-052917-E	5/29/17 15:41	Pu-238	0.0094	pCi/L	U	UF	HASL-300	SMP	0.0082	0.0283
BDD-SWSF-052917-E	5/29/17 15:41	Pu-239/240	0.0047	pCi/L	U	UF	HASL-300	SMP	0.0058	0.0219
BDD-SWSF-052917-E	5/29/17 15:41	Sr-90	0.012	pCi/L	U	UF	ASTM 5811	SMP	0.059	0.195
BDD-SWSF-052917-E	5/29/17 15:41	SSC	0.256	g/L		UF	D3977-97	SMP		
BDD-SWSF-052917-E	5/29/17 15:41	Th-234	6	pCi/L	U	UF	EPA 901.1	SMP	40	67
BDD-SWSF-052917-E	5/29/17 15:41	Th-234	-3	pCi/L	U	UF	EPA 901.1	DUP	76	126
BDD-SWSF-052917-E	5/29/17 15:41	Tl-208	1.3	pCi/L	U	UF	EPA 901.1	SMP	4.3	7.1
BDD-SWSF-052917-E	5/29/17 15:41	Tl-208	-1.2	pCi/L	U	UF	EPA 901.1	DUP	5.5	9.2
BDD-SWSF-052917-E	5/29/17 15:41	U-234	0.541	pCi/L		UF	HASL-300	SMP	0.055	0.028
BDD-SWSF-052917-E	5/29/17 15:41	U-235	0.03	pCi/L	LT	UF	HASL-300	SMP	0.011	0.029
BDD-SWSF-052917-E	5/29/17 15:41	U-238	0.374	pCi/L		UF	HASL-300	SMP	0.042	0.025
BDD-SWBF-070517-A	7/5/17 9:45	Ac-228	14.6	pCi/L	U	UF	EPA 901.1	DUP	9	18.1
BDD-SWBF-070517-A	7/5/17 9:45	Ac-228	15	pCi/L	U	UF	EPA 901.1	SMP	10	16
BDD-SWBF-070517-A	7/5/17 9:45	Am-241	-0.0027	pCi/L	U	UF	HASL-300	SMP	0.008	0.0314
BDD-SWBF-070517-A	7/5/17 9:45	Be-7	-9	pCi/L	U	UF	EPA 901.1	SMP	23	39
BDD-SWBF-070517-A	7/5/17 9:45	Be-7	-17	pCi/L	U	UF	EPA 901.1	DUP	22	37
BDD-SWBF-070517-A	7/5/17 9:45	Bi-212	36	pCi/L	U	UF	EPA 901.1	DUP	37	60
BDD-SWBF-070517-A	7/5/17 9:45	Bi-212	46	pCi/L	U	UF	EPA 901.1	SMP	41	66
BDD-SWBF-070517-A	7/5/17 9:45	Bi-214	-5	pCi/L	U,D	UF	EPA 901.1	DUP	11	19
BDD-SWBF-070517-A	7/5/17 9:45	Bi-214	11.1	pCi/L	NQ	UF	EPA 901.1	SMP	6.1	9.4
BDD-SWBF-070517-A	7/5/17 9:45	Co-60	-1.1	pCi/L	U	UF	EPA 901.1	DUP	2.8	4.9
BDD-SWBF-070517-A	7/5/17 9:45	Co-60	0.6	pCi/L	U	UF	EPA 901.1	SMP	3.1	5.3
BDD-SWBF-070517-A	7/5/17 9:45	Cs-134	-1.8	pCi/L	U	UF	EPA 901.1	DUP	2.7	4.6
BDD-SWBF-070517-A	7/5/17 9:45	Cs-134	-0.9	pCi/L	U	UF	EPA 901.1	SMP	2.8	4.7
BDD-SWBF-070517-A	7/5/17 9:45	Cs-137	-0.2	pCi/L	U	UF	EPA 901.1	DUP	2.4	4.1
BDD-SWBF-070517-A	7/5/17 9:45	Cs-137	-0.8	pCi/L	U	UF	EPA 901.1	SMP	2.8	4.9
BDD-SWBF-070517-A	7/5/17 9:45	Gross alpha	1.54	pCi/L	LT	UF	EPA 900.0	DUP	0.26	0.64
BDD-SWBF-070517-A	7/5/17 9:45	Gross alpha	1.37	pCi/L	LT	UF	EPA 900.0	SMP	0.29	0.8
BDD-SWBF-070517-A	7/5/17 9:45	Gross beta	2.78	pCi/L	LT	UF	EPA 900.0	DUP	0.41	1.07
BDD-SWBF-070517-A	7/5/17 9:45	Gross beta	2.88	pCi/L	LT	UF	EPA 900.0	SMP	0.42	1.11

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWBF-070517-A	7/5/17 9:45	I-131	4.1	pCi/L	U	UF	EPA 901.1	DUP	9.3	15.5
BDD-SWBF-070517-A	7/5/17 9:45	I-131	1	pCi/L	U	UF	EPA 901.1	SMP	13	22
BDD-SWBF-070517-A	7/5/17 9:45	K-40	-9	pCi/L	U	UF	EPA 901.1	SMP	98	164
BDD-SWBF-070517-A	7/5/17 9:45	K-40	-23	pCi/L	U	UF	EPA 901.1	DUP	72	122
BDD-SWBF-070517-A	7/5/17 9:45	Na-22	-0.9	pCi/L	U	UF	EPA 901.1	DUP	2.7	4.6
BDD-SWBF-070517-A	7/5/17 9:45	Na-22	0.3	pCi/L	U	UF	EPA 901.1	SMP	2.9	5
BDD-SWBF-070517-A	7/5/17 9:45	Np-237	0.0017	pCi/L	U	UF	HASL-300	SMP	0.0044	0.0179
BDD-SWBF-070517-A	7/5/17 9:45	Pa-234m	90	pCi/L	U	UF	EPA 901.1	DUP	400	680
BDD-SWBF-070517-A	7/5/17 9:45	Pa-234m	-40	pCi/L	U	UF	EPA 901.1	SMP	480	820
BDD-SWBF-070517-A	7/5/17 9:45	Pb-212	0.3	pCi/L	U	UF	EPA 901.1	DUP	8	13.2
BDD-SWBF-070517-A	7/5/17 9:45	Pb-212	2.2	pCi/L	U	UF	EPA 901.1	SMP	8	13.3
BDD-SWBF-070517-A	7/5/17 9:45	Pb-214	8.9	pCi/L	NQ	UF	EPA 901.1	DUP	5.3	8.4
BDD-SWBF-070517-A	7/5/17 9:45	Pb-214	3	pCi/L	U	UF	EPA 901.1	SMP	5.7	9.4
BDD-SWBF-070517-A	7/5/17 9:45	Pu-238	0.0051	pCi/L	LT	UF	HASL-300	SMP	0.0042	0.0046
BDD-SWBF-070517-A	7/5/17 9:45	Pu-239/240	0.0103	pCi/L	LT	UF	HASL-300	SMP	0.0043	0.0046
BDD-SWBF-070517-A	7/5/17 9:45	Ra-226	0.223	pCi/L	LT	UF	EPA 903.1	SMP	0.057	0.123
BDD-SWBF-070517-A	7/5/17 9:45	Ra-228	0.33	pCi/L	U	UF	EPA 904.0	SMP	0.14	0.58
BDD-SWBF-070517-A	7/5/17 9:45	Sr-90	0.402	pCi/L	LT	UF	ASTM 5811	SMP	0.091	0.251
BDD-SWBF-070517-A	7/5/17 9:45	SSC	0.037	g/L		UF	D3977-97	SMP		
BDD-SWBF-070517-A	7/5/17 9:45	Th-234	-30	pCi/L	U	UF	EPA 901.1	DUP	120	190
BDD-SWBF-070517-A	7/5/17 9:45	Th-234	14	pCi/L	U	UF	EPA 901.1	SMP	89	148
BDD-SWBF-070517-A	7/5/17 9:45	Tl-208	1.3	pCi/L	U	UF	EPA 901.1	DUP	5.2	8.6
BDD-SWBF-070517-A	7/5/17 9:45	Tl-208	4.1	pCi/L	U	UF	EPA 901.1	SMP	3.1	4.9
BDD-SWBF-070517-A	7/5/17 9:45	U-234	0.683	pCi/L		UF	HASL-300	SMP	0.062	0.018
BDD-SWBF-070517-A	7/5/17 9:45	U-235	0.0098	pCi/L	U	UF	HASL-300	SMP	0.0053	0.0145
BDD-SWBF-070517-A	7/5/17 9:45	U-238	0.444	pCi/L		UF	HASL-300	SMP	0.044	0.02
BDD-SWSF-072717-A	7/27/17 1:29	Ac-228	12	pCi/L	U	UF	EPA 901.1	SMP	11	18
BDD-SWSF-072717-A	7/27/17 1:29	Am-241	-0.0104	pCi/L	U	UF	HASL-300	SMP	0.0088	0.0384
BDD-SWSF-072717-A	7/27/17 1:29	Be-7	-17	pCi/L	U	UF	EPA 901.1	SMP	23	40
BDD-SWSF-072717-A	7/27/17 1:29	Bi-212	19	pCi/L	U	UF	EPA 901.1	SMP	41	68
BDD-SWSF-072717-A	7/27/17 1:29	Bi-214	9.1	pCi/L	U	UF	EPA 901.1	SMP	6	9.5
BDD-SWSF-072717-A	7/27/17 1:29	Co-60	-1.9	pCi/L	U	UF	EPA 901.1	SMP	3.1	5.6
BDD-SWSF-072717-A	7/27/17 1:29	Cs-134	0	pCi/L	U	UF	EPA 901.1	SMP	2.9	4.8
BDD-SWSF-072717-A	7/27/17 1:29	Cs-137	1.4	pCi/L	U	UF	EPA 901.1	SMP	2.7	4.6
BDD-SWSF-072717-A	7/27/17 1:29	Gross alpha	5.17	pCi/L		UF	EPA 900.0	SMP	0.67	1.34
BDD-SWSF-072717-A	7/27/17 1:29	Gross beta	8.05	pCi/L		UF	EPA 900.0	SMP	0.78	1.28
BDD-SWSF-072717-A	7/27/17 1:29	I-131	4.3	pCi/L	U	UF	EPA 901.1	SMP	8.5	14.2
BDD-SWSF-072717-A	7/27/17 1:29	K-40	10	pCi/L	U	UF	EPA 901.1	SMP	110	180
BDD-SWSF-072717-A	7/27/17 1:29	Na-22	0.3	pCi/L	U	UF	EPA 901.1	SMP	2.7	4.7
BDD-SWSF-072717-A	7/27/17 1:29	Np-237	-0.0048	pCi/L	U	UF	HASL-300	SMP	0.0076	0.0335
BDD-SWSF-072717-A	7/27/17 1:29	Pa-234m	300	pCi/L	U	UF	EPA 901.1	SMP	480	790
BDD-SWSF-072717-A	7/27/17 1:29	Pb-212	1.9	pCi/L	U	UF	EPA 901.1	SMP	6.2	10.2
BDD-SWSF-072717-A	7/27/17 1:29	Pb-214	7.4	pCi/L	U	UF	EPA 901.1	SMP	5.6	8.9
BDD-SWSF-072717-A	7/27/17 1:29	Pu-238	0.011	pCi/L	U	UF	HASL-300	SMP	0.0053	0.0135
BDD-SWSF-072717-A	7/27/17 1:29	Pu-239/240	0.011	pCi/L	U	UF	HASL-300	SMP	0.0053	0.0135
BDD-SWSF-072717-A	7/27/17 1:29	Ra-226	0.52	pCi/L	LT	UF	EPA 903.1	SMP	0.12	0.24
BDD-SWSF-072717-A	7/27/17 1:29	Ra-228	0.04	pCi/L	Y1,U	UF	EPA 904.0	SMP	0.13	0.59
BDD-SWSF-072717-A	7/27/17 1:29	Sr-90	0.01	pCi/L	U	UF	ASTM 5811	SMP	0.053	0.175
BDD-SWSF-072717-A	7/27/17 1:29	SSC	0.353	g/L		UF	D3977-97	SMP		
BDD-SWSF-072717-A	7/27/17 1:29	Th-234	-6	pCi/L	U	UF	EPA 901.1	SMP	79	132
BDD-SWSF-072717-A	7/27/17 1:29	Tl-208	5.9	pCi/L	NQ	UF	EPA 901.1	SMP	3.1	4.7
BDD-SWSF-072717-A	7/27/17 1:29	U-234	0.78	pCi/L		UF	HASL-300	SMP	0.072	0.005
BDD-SWSF-072717-A	7/27/17 1:29	U-235	0.035	pCi/L	LT	UF	HASL-300	SMP	0.011	0.025
BDD-SWSF-072717-A	7/27/17 1:29	U-238	0.52	pCi/L		UF	HASL-300	SMP	0.052	0.021
BDD-SWSF-072717-B	7/27/17 1:59	Ac-228	14.2	pCi/L	U	UF	EPA 901.1	DUP	9.3	14.4

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-072717-B	7/27/17 1:59	Ac-228	18.6	pCi/L	NQ	UF	EPA 901.1	SMP	8.5	16.6
BDD-SWSF-072717-B	7/27/17 1:59	Am-241	-0.0028	pCi/L	U	UF	HASL-300	SMP	0.0095	0.0383
BDD-SWSF-072717-B	7/27/17 1:59	Be-7	-2	pCi/L	U	UF	EPA 901.1	DUP	23	39
BDD-SWSF-072717-B	7/27/17 1:59	Be-7	4	pCi/L	U	UF	EPA 901.1	SMP	22	37
BDD-SWSF-072717-B	7/27/17 1:59	Bi-212	32	pCi/L	U	UF	EPA 901.1	DUP	40	66
BDD-SWSF-072717-B	7/27/17 1:59	Bi-212	28	pCi/L	U	UF	EPA 901.1	SMP	35	57
BDD-SWSF-072717-B	7/27/17 1:59	Bi-214	9.2	pCi/L	U	UF	EPA 901.1	DUP	5.9	9.3
BDD-SWSF-072717-B	7/27/17 1:59	Bi-214	-1	pCi/L	U	UF	EPA 901.1	SMP	12	20
BDD-SWSF-072717-B	7/27/17 1:59	Co-60	-3.6	pCi/L	U	UF	EPA 901.1	DUP	2.8	5.2
BDD-SWSF-072717-B	7/27/17 1:59	Co-60	-0.8	pCi/L	U	UF	EPA 901.1	SMP	2.7	4.7
BDD-SWSF-072717-B	7/27/17 1:59	Cs-134	-1.7	pCi/L	U	UF	EPA 901.1	SMP	2.7	4.7
BDD-SWSF-072717-B	7/27/17 1:59	Cs-134	-0.3	pCi/L	U	UF	EPA 901.1	DUP	2.7	4.6
BDD-SWSF-072717-B	7/27/17 1:59	Cs-137	-0.3	pCi/L	U	UF	EPA 901.1	SMP	2.6	4.5
BDD-SWSF-072717-B	7/27/17 1:59	Cs-137	-0.1	pCi/L	U	UF	EPA 901.1	DUP	2.7	4.7
BDD-SWSF-072717-B	7/27/17 1:59	Gross alpha	5.11	pCi/L		UF	EPA 900.0	SMP	0.64	1.23
BDD-SWSF-072717-B	7/27/17 1:59	Gross beta	8.56	pCi/L		UF	EPA 900.0	SMP	0.82	1.3
BDD-SWSF-072717-B	7/27/17 1:59	I-131	0.1	pCi/L	U	UF	EPA 901.1	DUP	9.2	15.5
BDD-SWSF-072717-B	7/27/17 1:59	I-131	-1.3	pCi/L	U	UF	EPA 901.1	SMP	7	11.9
BDD-SWSF-072717-B	7/27/17 1:59	K-40	-30	pCi/L	U	UF	EPA 901.1	DUP	110	180
BDD-SWSF-072717-B	7/27/17 1:59	K-40	11	pCi/L	U	UF	EPA 901.1	SMP	76	126
BDD-SWSF-072717-B	7/27/17 1:59	Na-22	-1.7	pCi/L	U	UF	EPA 901.1	DUP	2.8	5
BDD-SWSF-072717-B	7/27/17 1:59	Na-22	-0.8	pCi/L	U	UF	EPA 901.1	SMP	2.7	4.7
BDD-SWSF-072717-B	7/27/17 1:59	Np-237	0.0018	pCi/L	U	UF	HASL-300	SMP	0.0054	0.0215
BDD-SWSF-072717-B	7/27/17 1:59	Pa-234m	-80	pCi/L	U	UF	EPA 901.1	SMP	440	750
BDD-SWSF-072717-B	7/27/17 1:59	Pa-234m	210	pCi/L	U	UF	EPA 901.1	DUP	480	810
BDD-SWSF-072717-B	7/27/17 1:59	Pb-212	0.2	pCi/L	U	UF	EPA 901.1	SMP	9.2	15.2
BDD-SWSF-072717-B	7/27/17 1:59	Pb-212	3.7	pCi/L	U	UF	EPA 901.1	DUP	6.7	11.1
BDD-SWSF-072717-B	7/27/17 1:59	Pb-214	1	pCi/L	U	UF	EPA 901.1	SMP	11	18
BDD-SWSF-072717-B	7/27/17 1:59	Pb-214	5.3	pCi/L	U	UF	EPA 901.1	DUP	5.6	9.2
BDD-SWSF-072717-B	7/27/17 1:59	Pu-238	0.0182	pCi/L	LT	UF	HASL-300	SMP	0.007	0.0178
BDD-SWSF-072717-B	7/27/17 1:59	Pu-239/240	0.0199	pCi/L	LT	UF	HASL-300	SMP	0.0068	0.0154
BDD-SWSF-072717-B	7/27/17 1:59	Ra-226	0.31	pCi/L	LT	UF	EPA 903.1	SMP	0.1	0.23
BDD-SWSF-072717-B	7/27/17 1:59	Ra-228	0.66	pCi/L	LT	UF	EPA 904.0	SMP	0.15	0.51
BDD-SWSF-072717-B	7/27/17 1:59	Sr-90	0.099	pCi/L	U	UF	ASTM 5811	SMP	0.05	0.159
BDD-SWSF-072717-B	7/27/17 1:59	SSC	0.291	g/L		UF	D3977-97	SMP		
BDD-SWSF-072717-B	7/27/17 1:59	Th-234	-10	pCi/L	U	UF	EPA 901.1	SMP	130	220
BDD-SWSF-072717-B	7/27/17 1:59	Th-234	63	pCi/L	NQ	UF	EPA 901.1	DUP	39	61
BDD-SWSF-072717-B	7/27/17 1:59	Tl-208	0.9	pCi/L	U	UF	EPA 901.1	SMP	6.1	10.2
BDD-SWSF-072717-B	7/27/17 1:59	Tl-208	5	pCi/L	NQ	UF	EPA 901.1	DUP	2.9	4.4
BDD-SWSF-072717-B	7/27/17 1:59	U-234	0.766	pCi/L		UF	HASL-300	SMP	0.07	0.017
BDD-SWSF-072717-B	7/27/17 1:59	U-235	0.0344	pCi/L	LT	UF	HASL-300	SMP	0.0095	0.0158
BDD-SWSF-072717-B	7/27/17 1:59	U-238	0.548	pCi/L		UF	HASL-300	SMP	0.053	0.017
BDD-SWSF-072717-C	7/27/17 2:29	Ac-228	17	pCi/L	U	UF	EPA 901.1	SMP	11	18
BDD-SWSF-072717-C	7/27/17 2:29	Am-241	-0.0094	pCi/L	U	UF	HASL-300	SMP	0.0074	0.0319
BDD-SWSF-072717-C	7/27/17 2:29	Be-7	6	pCi/L	U	UF	EPA 901.1	SMP	23	39
BDD-SWSF-072717-C	7/27/17 2:29	Bi-212	-6	pCi/L	U	UF	EPA 901.1	SMP	40	68
BDD-SWSF-072717-C	7/27/17 2:29	Bi-214	10.6	pCi/L	NQ	UF	EPA 901.1	SMP	6.3	9.9
BDD-SWSF-072717-C	7/27/17 2:29	Co-60	-1.3	pCi/L	U	UF	EPA 901.1	SMP	3.4	5.9
BDD-SWSF-072717-C	7/27/17 2:29	Cs-134	-1.6	pCi/L	U	UF	EPA 901.1	SMP	3	5.1
BDD-SWSF-072717-C	7/27/17 2:29	Cs-137	0.6	pCi/L	U	UF	EPA 901.1	SMP	2.7	4.6
BDD-SWSF-072717-C	7/27/17 2:29	Gross alpha	3.57	pCi/L		UF	EPA 900.0	SMP	0.53	1.19
BDD-SWSF-072717-C	7/27/17 2:29	Gross beta	9.09	pCi/L		UF	EPA 900.0	SMP	0.83	1.13
BDD-SWSF-072717-C	7/27/17 2:29	I-131	2.1	pCi/L	U	UF	EPA 901.1	SMP	7.5	12.5
BDD-SWSF-072717-C	7/27/17 2:29	K-40	-5	pCi/L	U	UF	EPA 901.1	SMP	84	140
BDD-SWSF-072717-C	7/27/17 2:29	Na-22	-2.4	pCi/L	U	UF	EPA 901.1	SMP	3.5	6.2

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-072717-C	7/27/17 2:29	Np-237	0.0018	pCi/L	U	UF	HASL-300	SMP	0.0045	0.017
BDD-SWSF-072717-C	7/27/17 2:29	Pa-234m	130	pCi/L	U	UF	EPA 901.1	SMP	500	840
BDD-SWSF-072717-C	7/27/17 2:29	Pb-212	0.6	pCi/L	U	UF	EPA 901.1	SMP	7.3	12.1
BDD-SWSF-072717-C	7/27/17 2:29	Pb-214	-2.5	pCi/L	U	UF	EPA 901.1	SMP	8.4	14.1
BDD-SWSF-072717-C	7/27/17 2:29	Pu-238	0.0168	pCi/L	U	UF	HASL-300	SMP	0.0073	0.0201
BDD-SWSF-072717-C	7/27/17 2:29	Pu-239/240	0.0205	pCi/L	LT	UF	HASL-300	SMP	0.0069	0.0137
BDD-SWSF-072717-C	7/27/17 2:29	Ra-226	0.45	pCi/L	LT	UF	EPA 903.1	SMP	0.11	0.23
BDD-SWSF-072717-C	7/27/17 2:29	Ra-228	0.68	pCi/L	LT	UF	EPA 904.0	SMP	0.15	0.51
BDD-SWSF-072717-C	7/27/17 2:29	Sr-90	0.021	pCi/L	Y1,U	UF	ASTM 5811	SMP	0.05	0.167
BDD-SWSF-072717-C	7/27/17 2:29	SSC	0.297	g/L		UF	D3977-97	SMP		
BDD-SWSF-072717-C	7/27/17 2:29	Th-234	-11	pCi/L	U	UF	EPA 901.1	SMP	83	138
BDD-SWSF-072717-C	7/27/17 2:29	Tl-208	4.9	pCi/L	NQ	UF	EPA 901.1	SMP	2.8	4.5
BDD-SWSF-072717-C	7/27/17 2:29	U-234	0.764	pCi/L		UF	HASL-300	SMP	0.07	0.018
BDD-SWSF-072717-C	7/27/17 2:29	U-235	0.0251	pCi/L	LT	UF	HASL-300	SMP	0.009	0.0212
BDD-SWSF-072717-C	7/27/17 2:29	U-238	0.521	pCi/L		UF	HASL-300	SMP	0.051	0.023
BDD-SWSF-072717-D	7/27/17 3:15	Ac-228	12	pCi/L	U	UF	EPA 901.1	SMP	13	21
BDD-SWSF-072717-D	7/27/17 3:15	Am-241	-0.008	pCi/L	U	UF	HASL-300	SMP	0.0091	0.0388
BDD-SWSF-072717-D	7/27/17 3:15	Be-7	5	pCi/L	U	UF	EPA 901.1	SMP	26	44
BDD-SWSF-072717-D	7/27/17 3:15	Bi-212	-37	pCi/L	U	UF	EPA 901.1	SMP	48	84
BDD-SWSF-072717-D	7/27/17 3:15	Bi-214	5	pCi/L	U	UF	EPA 901.1	SMP	16	26
BDD-SWSF-072717-D	7/27/17 3:15	Co-60	3.3	pCi/L	U	UF	EPA 901.1	SMP	4.2	6.9
BDD-SWSF-072717-D	7/27/17 3:15	Cs-134	0.6	pCi/L	U	UF	EPA 901.1	SMP	4.6	7.7
BDD-SWSF-072717-D	7/27/17 3:15	Cs-137	0	pCi/L	U	UF	EPA 901.1	SMP	3.6	6.1
BDD-SWSF-072717-D	7/27/17 3:15	Gross alpha	4.75	pCi/L		UF	EPA 900.0	SMP	0.64	1.35
BDD-SWSF-072717-D	7/27/17 3:15	Gross beta	9	pCi/L		UF	EPA 900.0	SMP	0.88	1.45
BDD-SWSF-072717-D	7/27/17 3:15	I-131	0.7	pCi/L	U	UF	EPA 901.1	SMP	8.9	15
BDD-SWSF-072717-D	7/27/17 3:15	K-40	-30	pCi/L	U	UF	EPA 901.1	SMP	120	200
BDD-SWSF-072717-D	7/27/17 3:15	Na-22	1.8	pCi/L	U	UF	EPA 901.1	SMP	4.1	6.8
BDD-SWSF-072717-D	7/27/17 3:15	Np-237	0	pCi/L	U	UF	HASL-300	SMP	0.0063	0.0255
BDD-SWSF-072717-D	7/27/17 3:15	Pa-234m	380	pCi/L	U	UF	EPA 901.1	SMP	630	1040
BDD-SWSF-072717-D	7/27/17 3:15	Pb-212	5.8	pCi/L	U	UF	EPA 901.1	SMP	4.4	7.1
BDD-SWSF-072717-D	7/27/17 3:15	Pb-214	7.4	pCi/L	U	UF	EPA 901.1	SMP	4.5	9.9
BDD-SWSF-072717-D	7/27/17 3:15	Pu-238	0.0234	pCi/L	LT	UF	HASL-300	SMP	0.0077	0.018
BDD-SWSF-072717-D	7/27/17 3:15	Pu-239/240	0.015	pCi/L	LT	UF	HASL-300	SMP	0.0057	0.0123
BDD-SWSF-072717-D	7/27/17 3:15	Ra-226	0.4	pCi/L	LT	UF	EPA 903.1	SMP	0.12	0.27
BDD-SWSF-072717-D	7/27/17 3:15	Ra-228	0.56	pCi/L	LT	UF	EPA 904.0	SMP	0.14	0.5
BDD-SWSF-072717-D	7/27/17 3:15	Sr-90	0.072	pCi/L	U	UF	ASTM 5811	SMP	0.053	0.172
BDD-SWSF-072717-D	7/27/17 3:15	SSC	0.323	g/L		UF	D3977-97	SMP		
BDD-SWSF-072717-D	7/27/17 3:15	Th-234	47	pCi/L	U	UF	EPA 901.1	SMP	83	142
BDD-SWSF-072717-D	7/27/17 3:15	Tl-208	3.3	pCi/L	U	UF	EPA 901.1	SMP	2.5	4
BDD-SWSF-072717-D	7/27/17 3:15	U-234	0.937	pCi/L		UF	HASL-300	SMP	0.083	0.023
BDD-SWSF-072717-D	7/27/17 3:15	U-235	0.0253	pCi/L	LT	UF	HASL-300	SMP	0.0081	0.0155
BDD-SWSF-072717-D	7/27/17 3:15	U-238	0.626	pCi/L		UF	HASL-300	SMP	0.059	0.005
BDD-SWSF-072717-E	7/27/17 4:00	Ac-228	4	pCi/L	U	UF	EPA 901.1	SMP	17	29
BDD-SWSF-072717-E	7/27/17 4:00	Am-241	-0.0011	pCi/L	U	UF	HASL-300	SMP	0.009	0.0355
BDD-SWSF-072717-E	7/27/17 4:00	Be-7	16	pCi/L	U	UF	EPA 901.1	SMP	22	36
BDD-SWSF-072717-E	7/27/17 4:00	Bi-212	7	pCi/L	U	UF	EPA 901.1	SMP	35	60
BDD-SWSF-072717-E	7/27/17 4:00	Bi-214	10	pCi/L	U	UF	EPA 901.1	SMP	11	21
BDD-SWSF-072717-E	7/27/17 4:00	Co-60	1.1	pCi/L	U	UF	EPA 901.1	SMP	2.8	4.7
BDD-SWSF-072717-E	7/27/17 4:00	Cs-134	-1.1	pCi/L	U	UF	EPA 901.1	SMP	4.1	6.9
BDD-SWSF-072717-E	7/27/17 4:00	Cs-137	-1.4	pCi/L	U	UF	EPA 901.1	SMP	2.5	4.3
BDD-SWSF-072717-E	7/27/17 4:00	Gross alpha	36.3	pCi/L	M3	UF	EPA 900.0	SMP	3.5	3.7
BDD-SWSF-072717-E	7/27/17 4:00	Gross beta	43.7	pCi/L	M3	UF	EPA 900.0	SMP	3.9	4.5
BDD-SWSF-072717-E	7/27/17 4:00	I-131	-9	pCi/L	U	UF	EPA 901.1	SMP	12	20
BDD-SWSF-072717-E	7/27/17 4:00	K-40	99	pCi/L	U	UF	EPA 901.1	SMP	85	138

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-072717-E	7/27/17 4:00	Na-22	2.1	pCi/L	U	UF	EPA 901.1	SMP	2.7	4.4
BDD-SWSF-072717-E	7/27/17 4:00	Np-237	0.0057	pCi/L	LT	UF	HASL-300	SMP	0.0048	0.0051
BDD-SWSF-072717-E	7/27/17 4:00	Pa-234m	380	pCi/L	U	UF	EPA 901.1	SMP	450	740
BDD-SWSF-072717-E	7/27/17 4:00	Pb-212	-2.1	pCi/L	U	UF	EPA 901.1	SMP	9.1	15.2
BDD-SWSF-072717-E	7/27/17 4:00	Pb-214	0.9	pCi/L	U	UF	EPA 901.1	SMP	9.2	15.2
BDD-SWSF-072717-E	7/27/17 4:00	Pu-238	0.0112	pCi/L	LT	UF	HASL-300	SMP	0.0047	0.0051
BDD-SWSF-072717-E	7/27/17 4:00	Pu-239/240	0.0299	pCi/L	LT	UF	HASL-300	SMP	0.0078	0.0051
BDD-SWSF-072717-E	7/27/17 4:00	Ra-226	2.48	pCi/L		UF	EPA 903.1	SMP	0.36	0.21
BDD-SWSF-072717-E	7/27/17 4:00	Ra-228	1.56	pCi/L		UF	EPA 904.0	SMP	0.24	0.51
BDD-SWSF-072717-E	7/27/17 4:00	Sr-90	-0.027	pCi/L	U	UF	ASTM 5811	SMP	0.052	0.174
BDD-SWSF-072717-E	7/27/17 4:00	SSC	1.213	g/L		UF	D3977-97	SMP		
BDD-SWSF-072717-E	7/27/17 4:00	Th-234	70	pCi/L	U	UF	EPA 901.1	SMP	100	170
BDD-SWSF-072717-E	7/27/17 4:00	Tl-208	5.1	pCi/L	NQ	UF	EPA 901.1	SMP	2.9	4.4
BDD-SWSF-072717-E	7/27/17 4:00	U-234	2.01	pCi/L		UF	HASL-300	SMP	0.17	0.02
BDD-SWSF-072717-E	7/27/17 4:00	U-235	0.082	pCi/L	LT	UF	HASL-300	SMP	0.016	0.024
BDD-SWSF-072717-E	7/27/17 4:00	U-238	1.75	pCi/L		UF	HASL-300	SMP	0.15	0.02
BDD-SWSF-072717-F	7/27/17 4:45	Ac-228	14	pCi/L	U	UF	EPA 901.1	SMP	52	87
BDD-SWSF-072717-F	7/27/17 4:45	Am-241	-0.0089	pCi/L	U	UF	HASL-300	SMP	0.0082	0.0358
BDD-SWSF-072717-F	7/27/17 4:45	Be-7	-12	pCi/L	U	UF	EPA 901.1	SMP	24	40
BDD-SWSF-072717-F	7/27/17 4:45	Bi-212	49	pCi/L	U	UF	EPA 901.1	SMP	43	69
BDD-SWSF-072717-F	7/27/17 4:45	Bi-214	9.2	pCi/L	U	UF	EPA 901.1	SMP	6.2	9.9
BDD-SWSF-072717-F	7/27/17 4:45	Co-60	1.9	pCi/L	U	UF	EPA 901.1	SMP	3.6	5.9
BDD-SWSF-072717-F	7/27/17 4:45	Cs-134	-5	pCi/L	U	UF	EPA 901.1	SMP	3	5.3
BDD-SWSF-072717-F	7/27/17 4:45	Cs-137	-0.2	pCi/L	U	UF	EPA 901.1	SMP	2.7	4.6
BDD-SWSF-072717-F	7/27/17 4:45	Gross alpha	17.1	pCi/L	M3	UF	EPA 900.0	SMP	2	3.7
BDD-SWSF-072717-F	7/27/17 4:45	Gross beta	24.2	pCi/L		UF	EPA 900.0	SMP	2.3	3.8
BDD-SWSF-072717-F	7/27/17 4:45	I-131	1.5	pCi/L	U	UF	EPA 901.1	SMP	7.8	13.1
BDD-SWSF-072717-F	7/27/17 4:45	K-40	58	pCi/L	U	UF	EPA 901.1	SMP	93	152
BDD-SWSF-072717-F	7/27/17 4:45	Na-22	0.6	pCi/L	U	UF	EPA 901.1	SMP	3.2	5.4
BDD-SWSF-072717-F	7/27/17 4:45	Np-237	-0.0071	pCi/L	U	UF	HASL-300	SMP	0.0052	0.0252
BDD-SWSF-072717-F	7/27/17 4:45	Pa-234m	660	pCi/L	U	UF	EPA 901.1	SMP	520	820
BDD-SWSF-072717-F	7/27/17 4:45	Pb-212	-3.1	pCi/L	U	UF	EPA 901.1	SMP	8.1	13.5
BDD-SWSF-072717-F	7/27/17 4:45	Pb-214	7.3	pCi/L	U	UF	EPA 901.1	SMP	5.4	8.6
BDD-SWSF-072717-F	7/27/17 4:45	Pu-238	0.0143	pCi/L	U	UF	HASL-300	SMP	0.0058	0.0148
BDD-SWSF-072717-F	7/27/17 4:45	Pu-239/240	0.0207	pCi/L	LT	UF	HASL-300	SMP	0.0059	0.0043
BDD-SWSF-072717-F	7/27/17 4:45	Ra-226	1.51	pCi/L		UF	EPA 903.1	SMP	0.24	0.16
BDD-SWSF-072717-F	7/27/17 4:45	Ra-228	1.5	pCi/L		UF	EPA 904.0	SMP	0.24	0.58
BDD-SWSF-072717-F	7/27/17 4:45	Sr-90	0.079	pCi/L	U	UF	ASTM 5811	SMP	0.052	0.167
BDD-SWSF-072717-F	7/27/17 4:45	Th-234	28	pCi/L	U	UF	EPA 901.1	SMP	77	127
BDD-SWSF-072717-F	7/27/17 4:45	Tl-208	3.9	pCi/L	U	UF	EPA 901.1	SMP	3	4.9
BDD-SWSF-072717-F	7/27/17 4:45	U-234	1.29	pCi/L		UF	HASL-300	SMP	0.11	0
BDD-SWSF-072717-F	7/27/17 4:45	U-235	0.053	pCi/L	LT	UF	HASL-300	SMP	0.012	0.015
BDD-SWSF-072717-F	7/27/17 4:45	U-238	1.064	pCi/L		UF	HASL-300	SMP	0.092	0.021
BDD-SWSF-072717-G	7/27/17 5:33	Ac-228	14	pCi/L	U	UF	EPA 901.1	SMP	11	17
BDD-SWSF-072717-G	7/27/17 5:33	Am-241	-0.0106	pCi/L	U	UF	HASL-300	SMP	0.0085	0.0364
BDD-SWSF-072717-G	7/27/17 5:33	Be-7	3	pCi/L	U	UF	EPA 901.1	SMP	24	40
BDD-SWSF-072717-G	7/27/17 5:33	Bi-212	15	pCi/L	U	UF	EPA 901.1	SMP	38	64
BDD-SWSF-072717-G	7/27/17 5:33	Bi-214	1	pCi/L	U	UF	EPA 901.1	SMP	14	22
BDD-SWSF-072717-G	7/27/17 5:33	Co-60	-0.9	pCi/L	U	UF	EPA 901.1	SMP	3.4	5.8
BDD-SWSF-072717-G	7/27/17 5:33	Cs-134	-2.2	pCi/L	U	UF	EPA 901.1	SMP	2.7	4.7
BDD-SWSF-072717-G	7/27/17 5:33	Cs-137	0	pCi/L	U	UF	EPA 901.1	SMP	2.6	4.5
BDD-SWSF-072717-G	7/27/17 5:33	I-131	-4	pCi/L	U	UF	EPA 901.1	SMP	14	24
BDD-SWSF-072717-G	7/27/17 5:33	K-40	29	pCi/L	U	UF	EPA 901.1	SMP	81	134
BDD-SWSF-072717-G	7/27/17 5:33	Na-22	0.9	pCi/L	U	UF	EPA 901.1	SMP	3.1	5.3
BDD-SWSF-072717-G	7/27/17 5:33	Pa-234m	170	pCi/L	U	UF	EPA 901.1	SMP	460	770

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-072717-G	7/27/17 5:33	Pb-212	1.6	pCi/L	U	UF	EPA 901.1	SMP	7.8	13
BDD-SWSF-072717-G	7/27/17 5:33	Pb-214	-4	pCi/L	U	UF	EPA 901.1	SMP	11	19
BDD-SWSF-072717-G	7/27/17 5:33	Pu-238	0.0275	pCi/L	LT	UF	HASL-300	SMP	0.0076	0.0126
BDD-SWSF-072717-G	7/27/17 5:33	Pu-239/240	0.0137	pCi/L	U	UF	HASL-300	SMP	0.0069	0.0206
BDD-SWSF-072717-G	7/27/17 5:33	SSC	0.863	g/L		UF	D3977-97	SMP		
BDD-SWSF-072717-G	7/27/17 5:33	Th-234	16	pCi/L	U	UF	EPA 901.1	SMP	80	133
BDD-SWSF-072717-G	7/27/17 5:33	Tl-208	0.6	pCi/L	U	UF	EPA 901.1	SMP	5.7	9.4
BDD-SWSF-072717-G	7/27/17 5:33	U-234	1.33	pCi/L		UF	HASL-300	SMP	0.11	0.01
BDD-SWSF-072717-G	7/27/17 5:33	U-235	0.073	pCi/L	LT	UF	HASL-300	SMP	0.014	0.006
BDD-SWSF-072717-G	7/27/17 5:33	U-238	1.094	pCi/L		UF	HASL-300	SMP	0.095	0.019
BDD-SWSF-072717-H	7/27/17 7:03	Ac-228	17	pCi/L	U	UF	EPA 901.1	SMP	10	20
BDD-SWSF-072717-H	7/27/17 7:03	Am-241	0.013	pCi/L	U	UF	HASL-300	SMP	0.014	0.048
BDD-SWSF-072717-H	7/27/17 7:03	Be-7	7	pCi/L	U	UF	EPA 901.1	SMP	23	38
BDD-SWSF-072717-H	7/27/17 7:03	Bi-212	44	pCi/L	U	UF	EPA 901.1	SMP	44	71
BDD-SWSF-072717-H	7/27/17 7:03	Bi-214	2	pCi/L	U	UF	EPA 901.1	SMP	14	23
BDD-SWSF-072717-H	7/27/17 7:03	Co-60	-0.3	pCi/L	U	UF	EPA 901.1	SMP	3.5	6.1
BDD-SWSF-072717-H	7/27/17 7:03	Cs-134	-1.5	pCi/L	U	UF	EPA 901.1	SMP	3	5.1
BDD-SWSF-072717-H	7/27/17 7:03	Cs-137	-1.9	pCi/L	U	UF	EPA 901.1	SMP	2.8	4.9
BDD-SWSF-072717-H	7/27/17 7:03	I-131	2.2	pCi/L	U	UF	EPA 901.1	SMP	8.7	14.5
BDD-SWSF-072717-H	7/27/17 7:03	K-40	26	pCi/L	U	UF	EPA 901.1	SMP	89	147
BDD-SWSF-072717-H	7/27/17 7:03	Na-22	-0.4	pCi/L	U	UF	EPA 901.1	SMP	3.2	5.5
BDD-SWSF-072717-H	7/27/17 7:03	Pa-234m	110	pCi/L	U	UF	EPA 901.1	SMP	510	870
BDD-SWSF-072717-H	7/27/17 7:03	Pb-212	6.7	pCi/L	U	UF	EPA 901.1	SMP	9	14.7
BDD-SWSF-072717-H	7/27/17 7:03	Pb-214	-1	pCi/L	U	UF	EPA 901.1	SMP	10	17
BDD-SWSF-072717-H	7/27/17 7:03	Pu-238	0.0166	pCi/L	U	UF	HASL-300	SMP	0.0072	0.0175
BDD-SWSF-072717-H	7/27/17 7:03	Pu-239/240	0.036	pCi/L	LT	UF	HASL-300	SMP	0.01	0.017
BDD-SWSF-072717-H	7/27/17 7:03	SSC	1.601	g/L		UF	D3977-97	SMP		
BDD-SWSF-072717-H	7/27/17 7:03	Th-234	-19	pCi/L	U	UF	EPA 901.1	SMP	58	97
BDD-SWSF-072717-H	7/27/17 7:03	Tl-208	-1	pCi/L	U	UF	EPA 901.1	SMP	5.6	9.4
BDD-SWSF-072717-H	7/27/17 7:03	U-234	2.2	pCi/L		UF	HASL-300	SMP	0.18	0.02
BDD-SWSF-072717-H	7/27/17 7:03	U-235	0.07	pCi/L	LT	UF	HASL-300	SMP	0.015	0.02
BDD-SWSF-072717-H	7/27/17 7:03	U-238	2.02	pCi/L		UF	HASL-300	SMP	0.17	0.02
BDD-SWSF-072717-I	7/27/17 8:33	Ac-228	23	pCi/L	NQ	UF	EPA 901.1	SMP	10	17
BDD-SWSF-072717-I	7/27/17 8:33	Am-241	-0.003	pCi/L	U	UF	HASL-300	SMP	0.0094	0.0377
BDD-SWSF-072717-I	7/27/17 8:33	Be-7	27	pCi/L	U	UF	EPA 901.1	SMP	23	37
BDD-SWSF-072717-I	7/27/17 8:33	Bi-212	34	pCi/L	U	UF	EPA 901.1	SMP	38	61
BDD-SWSF-072717-I	7/27/17 8:33	Bi-214	10.7	pCi/L	NQ	UF	EPA 901.1	SMP	6.2	9.7
BDD-SWSF-072717-I	7/27/17 8:33	Co-60	-1.3	pCi/L	U	UF	EPA 901.1	SMP	3.2	5.6
BDD-SWSF-072717-I	7/27/17 8:33	Cs-134	-1.4	pCi/L	U	UF	EPA 901.1	SMP	2.9	4.9
BDD-SWSF-072717-I	7/27/17 8:33	Cs-137	-3.6	pCi/L	U	UF	EPA 901.1	SMP	2.9	5.2
BDD-SWSF-072717-I	7/27/17 8:33	I-131	2.8	pCi/L	U	UF	EPA 901.1	SMP	7.1	11.8
BDD-SWSF-072717-I	7/27/17 8:33	K-40	8	pCi/L	U	UF	EPA 901.1	SMP	82	136
BDD-SWSF-072717-I	7/27/17 8:33	Na-22	-0.2	pCi/L	U	UF	EPA 901.1	SMP	3.2	5.5
BDD-SWSF-072717-I	7/27/17 8:33	Pa-234m	420	pCi/L	U	UF	EPA 901.1	SMP	520	860
BDD-SWSF-072717-I	7/27/17 8:33	Pb-212	-0.8	pCi/L	U	UF	EPA 901.1	SMP	7.5	12.5
BDD-SWSF-072717-I	7/27/17 8:33	Pb-214	1	pCi/L	U	UF	EPA 901.1	SMP	10	17
BDD-SWSF-072717-I	7/27/17 8:33	Pu-238	0.0107	pCi/L	U	UF	HASL-300	SMP	0.0051	0.0131
BDD-SWSF-072717-I	7/27/17 8:33	Pu-239/240	0.0089	pCi/L	U	UF	HASL-300	SMP	0.0065	0.0214
BDD-SWSF-072717-I	7/27/17 8:33	SSC	1.637	g/L		UF	D3977-97	SMP		
BDD-SWSF-072717-I	7/27/17 8:33	Th-234	8	pCi/L	U	UF	EPA 901.1	SMP	49	82
BDD-SWSF-072717-I	7/27/17 8:33	Tl-208	0.7	pCi/L	U	UF	EPA 901.1	SMP	5.2	8.6
BDD-SWSF-072717-I	7/27/17 8:33	U-234	1.09	pCi/L		UF	HASL-300	SMP	0.095	0.022
BDD-SWSF-072717-I	7/27/17 8:33	U-235	0.0154	pCi/L	U	UF	HASL-300	SMP	0.0086	0.0264
BDD-SWSF-072717-I	7/27/17 8:33	U-238	0.765	pCi/L		UF	HASL-300	SMP	0.07	0.005
BDD-SWSF-080817-A	8/8/17 13:59	Ac-228	9	pCi/L	U	UF	EPA 901.1	SMP	12	19

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-080817-A	8/8/17 13:59	Am-241	-0.0037	pCi/L	U	UF	HASL-300	SMP	0.0078	0.0311
BDD-SWSF-080817-A	8/8/17 13:59	Be-7	-6	pCi/L	U	UF	EPA 901.1	SMP	28	48
BDD-SWSF-080817-A	8/8/17 13:59	Bi-212	43	pCi/L	U	UF	EPA 901.1	SMP	42	67
BDD-SWSF-080817-A	8/8/17 13:59	Bi-214	10.9	pCi/L	NQ	UF	EPA 901.1	SMP	6.1	9.4
BDD-SWSF-080817-A	8/8/17 13:59	Co-60	-0.4	pCi/L	U	UF	EPA 901.1	SMP	3.1	5.4
BDD-SWSF-080817-A	8/8/17 13:59	Cs-134	-1.5	pCi/L	U	UF	EPA 901.1	SMP	2.8	4.9
BDD-SWSF-080817-A	8/8/17 13:59	Cs-137	1.3	pCi/L	U	UF	EPA 901.1	SMP	3.1	5.2
BDD-SWSF-080817-A	8/8/17 13:59	Gross alpha	10.1	pCi/L		UF	EPA 900.0	SMP	1.1	1.7
BDD-SWSF-080817-A	8/8/17 13:59	Gross beta	13.7	pCi/L		UF	EPA 900.0	SMP	1.4	2.3
BDD-SWSF-080817-A	8/8/17 13:59	I-131	-7	pCi/L	U	UF	EPA 901.1	SMP	19	33
BDD-SWSF-080817-A	8/8/17 13:59	K-40	20	pCi/L	U	UF	EPA 901.1	SMP	100	170
BDD-SWSF-080817-A	8/8/17 13:59	Na-22	-0.8	pCi/L	U	UF	EPA 901.1	SMP	3.2	5.5
BDD-SWSF-080817-A	8/8/17 13:59	Np-237	-0.0111	pCi/L	U	UF	HASL-300	SMP	0.0062	0.0293
BDD-SWSF-080817-A	8/8/17 13:59	Pa-234m	240	pCi/L	U	UF	EPA 901.1	SMP	470	790
BDD-SWSF-080817-A	8/8/17 13:59	Pb-212	1.2	pCi/L	U	UF	EPA 901.1	SMP	7.4	12.2
BDD-SWSF-080817-A	8/8/17 13:59	Pb-214	6.9	pCi/L	U	UF	EPA 901.1	SMP	5.7	9.2
BDD-SWSF-080817-A	8/8/17 13:59	Pu-238	0.0018	pCi/L	U	UF	HASL-300	SMP	0.0044	0.0133
BDD-SWSF-080817-A	8/8/17 13:59	Pu-239/240	0.0145	pCi/L	U	UF	HASL-300	SMP	0.0064	0.0168
BDD-SWSF-080817-A	8/8/17 13:59	Ra-226	0.83	pCi/L	LT	UF	EPA 903.1	SMP	0.13	0.12
BDD-SWSF-080817-A	8/8/17 13:59	Ra-228	0.8	pCi/L	U	UF	EPA 904.0	SMP	0.24	0.91
BDD-SWSF-080817-A	8/8/17 13:59	Sr-90	-0.016	pCi/L	U	UF	ASTM 5811	SMP	0.063	0.208
BDD-SWSF-080817-A	8/8/17 13:59	SSC	0.661	g/L		UF	D3977-97	SMP		
BDD-SWSF-080817-A	8/8/17 13:59	Th-234	21	pCi/L	U	UF	EPA 901.1	SMP	99	164
BDD-SWSF-080817-A	8/8/17 13:59	Tl-208	4.3	pCi/L	U	UF	EPA 901.1	SMP	5.4	8.8
BDD-SWSF-080817-A	8/8/17 13:59	U-234	1.49	pCi/L		UF	HASL-300	SMP	0.13	0.02
BDD-SWSF-080817-A	8/8/17 13:59	U-235	0.062	pCi/L	LT	UF	HASL-300	SMP	0.013	0.015
BDD-SWSF-080817-A	8/8/17 13:59	U-238	1.021	pCi/L		UF	HASL-300	SMP	0.089	0.021
BDD-SWSF-080817-B	8/8/17 14:29	Ac-228	11	pCi/L	U	UF	EPA 901.1	DUP	16	27
BDD-SWSF-080817-B	8/8/17 14:29	Ac-228	17	pCi/L	NQ	UF	EPA 901.1	SMP	8.6	17
BDD-SWSF-080817-B	8/8/17 14:29	Am-241	0.012	pCi/L	U	UF	HASL-300	SMP	0.011	0.037
BDD-SWSF-080817-B	8/8/17 14:29	Be-7	26	pCi/L	U	UF	EPA 901.1	DUP	29	47
BDD-SWSF-080817-B	8/8/17 14:29	Be-7	-1	pCi/L	U	UF	EPA 901.1	SMP	25	42
BDD-SWSF-080817-B	8/8/17 14:29	Bi-212	66	pCi/L	NQ	UF	EPA 901.1	DUP	39	61
BDD-SWSF-080817-B	8/8/17 14:29	Bi-212	13	pCi/L	U	UF	EPA 901.1	SMP	34	57
BDD-SWSF-080817-B	8/8/17 14:29	Bi-214	4	pCi/L	U	UF	EPA 901.1	DUP	13	21
BDD-SWSF-080817-B	8/8/17 14:29	Bi-214	0	pCi/L	U	UF	EPA 901.1	SMP	13	21
BDD-SWSF-080817-B	8/8/17 14:29	Co-60	-1	pCi/L	U	UF	EPA 901.1	DUP	3.1	5.4
BDD-SWSF-080817-B	8/8/17 14:29	Co-60	1.2	pCi/L	U	UF	EPA 901.1	SMP	3	5
BDD-SWSF-080817-B	8/8/17 14:29	Cs-134	-3.5	pCi/L	U	UF	EPA 901.1	DUP	2.9	5
BDD-SWSF-080817-B	8/8/17 14:29	Cs-134	-1.1	pCi/L	U	UF	EPA 901.1	SMP	2.9	5
BDD-SWSF-080817-B	8/8/17 14:29	Cs-137	0.7	pCi/L	U	UF	EPA 901.1	DUP	2.7	4.5
BDD-SWSF-080817-B	8/8/17 14:29	Cs-137	-0.8	pCi/L	U	UF	EPA 901.1	SMP	2.6	4.4
BDD-SWSF-080817-B	8/8/17 14:29	Gross alpha	13.7	pCi/L		UF	EPA 900.0	SMP	1.5	2.5
BDD-SWSF-080817-B	8/8/17 14:29	Gross beta	16.5	pCi/L		UF	EPA 900.0	SMP	1.6	2.7
BDD-SWSF-080817-B	8/8/17 14:29	I-131	14	pCi/L	U	UF	EPA 901.1	DUP	29	49
BDD-SWSF-080817-B	8/8/17 14:29	I-131	-4	pCi/L	U	UF	EPA 901.1	SMP	15	26
BDD-SWSF-080817-B	8/8/17 14:29	K-40	7	pCi/L	U	UF	EPA 901.1	DUP	74	123
BDD-SWSF-080817-B	8/8/17 14:29	K-40	42	pCi/L	U	UF	EPA 901.1	SMP	76	125
BDD-SWSF-080817-B	8/8/17 14:29	Na-22	0	pCi/L	U	UF	EPA 901.1	DUP	3.1	5.3
BDD-SWSF-080817-B	8/8/17 14:29	Na-22	0.6	pCi/L	U	UF	EPA 901.1	SMP	2.8	4.7
BDD-SWSF-080817-B	8/8/17 14:29	Np-237	0.0038	pCi/L	U	UF	HASL-300	SMP	0.006	0.0227
BDD-SWSF-080817-B	8/8/17 14:29	Pa-234m	300	pCi/L	U	UF	EPA 901.1	DUP	450	750
BDD-SWSF-080817-B	8/8/17 14:29	Pa-234m	320	pCi/L	U	UF	EPA 901.1	SMP	450	740
BDD-SWSF-080817-B	8/8/17 14:29	Pb-212	6.8	pCi/L	U	UF	EPA 901.1	DUP	7.2	11.8
BDD-SWSF-080817-B	8/8/17 14:29	Pb-212	1.2	pCi/L	U	UF	EPA 901.1	SMP	9	14.9

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-080817-B	8/8/17 14:29	Pb-214	-5	pCi/L	U	UF	EPA 901.1	DUP	10	18
BDD-SWSF-080817-B	8/8/17 14:29	Pb-214	2	pCi/L	U	UF	EPA 901.1	SMP	11	18
BDD-SWSF-080817-B	8/8/17 14:29	Pu-238	0.0053	pCi/L	U	UF	HASL-300	SMP	0.0053	0.0189
BDD-SWSF-080817-B	8/8/17 14:29	Pu-239/240	0.0228	pCi/L	LT	UF	HASL-300	SMP	0.007	0.0129
BDD-SWSF-080817-B	8/8/17 14:29	Ra-226	0.79	pCi/L	LT	UF	EPA 903.1	SMP	0.14	0.17
BDD-SWSF-080817-B	8/8/17 14:29	Ra-228	0.89	pCi/L	U	UF	EPA 904.0	SMP	0.25	0.9
BDD-SWSF-080817-B	8/8/17 14:29	Sr-90	0.15	pCi/L	U	UF	ASTM 5811	SMP	0.06	0.186
BDD-SWSF-080817-B	8/8/17 14:29	SSC	0.695	g/L		UF	D3977-97	SMP		
BDD-SWSF-080817-B	8/8/17 14:29	Th-234	7	pCi/L	U	UF	EPA 901.1	DUP	77	128
BDD-SWSF-080817-B	8/8/17 14:29	Th-234	-30	pCi/L	U	UF	EPA 901.1	SMP	150	240
BDD-SWSF-080817-B	8/8/17 14:29	Tl-208	0.3	pCi/L	U	UF	EPA 901.1	DUP	5.4	9.1
BDD-SWSF-080817-B	8/8/17 14:29	Tl-208	-1.9	pCi/L	U	UF	EPA 901.1	SMP	6.2	10.4
BDD-SWSF-080817-B	8/8/17 14:29	U-234	1.47	pCi/L		UF	HASL-300	SMP	0.12	0.02
BDD-SWSF-080817-B	8/8/17 14:29	U-235	0.068	pCi/L	LT	UF	HASL-300	SMP	0.013	0.015
BDD-SWSF-080817-B	8/8/17 14:29	U-238	1.14	pCi/L		UF	HASL-300	SMP	0.098	0.02
BDD-SWSF-080817-C	8/8/17 14:59	Ac-228	18	pCi/L	U	UF	EPA 901.1	SMP	11	18
BDD-SWSF-080817-C	8/8/17 14:59	Am-241	-0.012	pCi/L	U	UF	HASL-300	SMP	0.01	0.044
BDD-SWSF-080817-C	8/8/17 14:59	Be-7	32	pCi/L	U	UF	EPA 901.1	SMP	27	43
BDD-SWSF-080817-C	8/8/17 14:59	Bi-212	39	pCi/L	U	UF	EPA 901.1	SMP	42	68
BDD-SWSF-080817-C	8/8/17 14:59	Bi-214	11.7	pCi/L	NQ	UF	EPA 901.1	SMP	6.3	9.8
BDD-SWSF-080817-C	8/8/17 14:59	Co-60	-1.2	pCi/L	U	UF	EPA 901.1	SMP	3.2	5.6
BDD-SWSF-080817-C	8/8/17 14:59	Cs-134	-1.8	pCi/L	U	UF	EPA 901.1	SMP	2.9	5
BDD-SWSF-080817-C	8/8/17 14:59	Cs-137	-0.5	pCi/L	U	UF	EPA 901.1	SMP	2.7	4.7
BDD-SWSF-080817-C	8/8/17 14:59	Gross alpha	38.5	pCi/L	M3	UF	EPA 900.0	SMP	5.8	12.9
BDD-SWSF-080817-C	8/8/17 14:59	Gross beta	60.3	pCi/L	M3	UF	EPA 900.0	SMP	8.2	20.6
BDD-SWSF-080817-C	8/8/17 14:59	I-131	4	pCi/L	U	UF	EPA 901.1	SMP	16	27
BDD-SWSF-080817-C	8/8/17 14:59	K-40	12	pCi/L	U	UF	EPA 901.1	SMP	87	146
BDD-SWSF-080817-C	8/8/17 14:59	Na-22	-1.3	pCi/L	U	UF	EPA 901.1	SMP	3.2	5.6
BDD-SWSF-080817-C	8/8/17 14:59	Np-237	-0.0024	pCi/L	U	UF	HASL-300	SMP	0.006	0.0261
BDD-SWSF-080817-C	8/8/17 14:59	Pa-234m	650	pCi/L	U	UF	EPA 901.1	SMP	510	800
BDD-SWSF-080817-C	8/8/17 14:59	Pb-212	-4.5	pCi/L	U	UF	EPA 901.1	SMP	7.9	13.2
BDD-SWSF-080817-C	8/8/17 14:59	Pb-214	8.1	pCi/L	U	UF	EPA 901.1	SMP	5.2	8.3
BDD-SWSF-080817-C	8/8/17 14:59	Pu-238	0.0293	pCi/L	LT	UF	HASL-300	SMP	0.0088	0.0066
BDD-SWSF-080817-C	8/8/17 14:59	Pu-239/240	0.046	pCi/L	LT	UF	HASL-300	SMP	0.011	0.007
BDD-SWSF-080817-C	8/8/17 14:59	Ra-226	1.14	pCi/L		UF	EPA 903.1	SMP	0.17	0.14
BDD-SWSF-080817-C	8/8/17 14:59	Ra-228	1.14	pCi/L		UF	EPA 904.0	SMP	0.27	0.91
BDD-SWSF-080817-C	8/8/17 14:59	Sr-90	0.237	pCi/L	LT	UF	ASTM 5811	SMP	0.071	0.209
BDD-SWSF-080817-C	8/8/17 14:59	SSC	2.301	g/L		UF	D3977-97	SMP		
BDD-SWSF-080817-C	8/8/17 14:59	Th-234	0	pCi/L	U	UF	EPA 901.1	SMP	100	170
BDD-SWSF-080817-C	8/8/17 14:59	Tl-208	0.1	pCi/L	U	UF	EPA 901.1	SMP	5.9	9.9
BDD-SWSF-080817-C	8/8/17 14:59	U-234	2.53	pCi/L		UF	HASL-300	SMP	0.21	0.02
BDD-SWSF-080817-C	8/8/17 14:59	U-235	0.121	pCi/L		UF	HASL-300	SMP	0.02	0.019
BDD-SWSF-080817-C	8/8/17 14:59	U-238	2.28	pCi/L		UF	HASL-300	SMP	0.19	0.02
BDD-SWSF-080817-D	8/8/17 15:45	Ac-228	26	pCi/L	U	UF	EPA 901.1	SMP	20	32
BDD-SWSF-080817-D	8/8/17 15:45	Am-241	-0.023	pCi/L	U,M	10F	HASL-300	SMP	0.026	0.109
BDD-SWSF-080817-D	8/8/17 15:45	Am-241	0.0014	pCi/g	U,M	Dry Weight	HASL-300	SMP	0.007	0.0269
BDD-SWSF-080817-D	8/8/17 15:45	Be-7	23	pCi/L	U	UF	EPA 901.1	SMP	50	83
BDD-SWSF-080817-D	8/8/17 15:45	Bi-212	65	pCi/L	U	UF	EPA 901.1	SMP	74	121
BDD-SWSF-080817-D	8/8/17 15:45	Bi-214	2	pCi/L	U	UF	EPA 901.1	SMP	23	38
BDD-SWSF-080817-D	8/8/17 15:45	Co-60	1.8	pCi/L	U	UF	EPA 901.1	SMP	5.7	9.5
BDD-SWSF-080817-D	8/8/17 15:45	Cs-134	-4.4	pCi/L	U	UF	EPA 901.1	SMP	5.5	9.5
BDD-SWSF-080817-D	8/8/17 15:45	Cs-137	-0.1	pCi/L	U	UF	EPA 901.1	SMP	4.8	8.2
BDD-SWSF-080817-D	8/8/17 15:45	Gross alpha	132	pCi/L	M3	UF	EPA 900.0	SMP	13	13
BDD-SWSF-080817-D	8/8/17 15:45	Gross beta	162	pCi/L	M3	UF	EPA 900.0	SMP	15	21
BDD-SWSF-080817-D	8/8/17 15:45	I-131	-1	pCi/L	U	UF	EPA 901.1	SMP	31	52

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-080817-D	8/8/17 15:45	K-40	150	pCi/L	U	UF	EPA 901.1	SMP	160	260
BDD-SWSF-080817-D	8/8/17 15:45	Na-22	-5.4	pCi/L	U	UF	EPA 901.1	SMP	5.4	9.7
BDD-SWSF-080817-D	8/8/17 15:45	Np-237	0.014	pCi/L	U	10F	HASL-300	SMP	0.022	0.081
BDD-SWSF-080817-D	8/8/17 15:45	Np-237	0.01	pCi/g	U	Dry Weight	HASL-300	SMP	0.014	0.06
BDD-SWSF-080817-D	8/8/17 15:45	Pa-234m	500	pCi/L	U	UF	EPA 901.1	SMP	840	1380
BDD-SWSF-080817-D	8/8/17 15:45	Pb-212	9	pCi/L	U	UF	EPA 901.1	SMP	16	26
BDD-SWSF-080817-D	8/8/17 15:45	Pb-214	2	pCi/L	U	UF	EPA 901.1	SMP	20	34
BDD-SWSF-080817-D	8/8/17 15:45	Pu-238	0.064	pCi/L		10F	HASL-300	SMP	0.023	0.047
BDD-SWSF-080817-D	8/8/17 15:45	Pu-238	0.006	pCi/g	U	Dry Weight	HASL-300	SMP	0.0032	0.0093
BDD-SWSF-080817-D	8/8/17 15:45	Pu-239/240	0.224	pCi/L		10F	HASL-300	SMP	0.043	0.047
BDD-SWSF-080817-D	8/8/17 15:45	Pu-239/240	0.0352	pCi/g		Dry Weight	HASL-300	SMP	0.0073	0.0132
BDD-SWSF-080817-D	8/8/17 15:45	Ra-226	4.27	pCi/L		UF	EPA 903.1	SMP	0.6	0.29
BDD-SWSF-080817-D	8/8/17 15:45	Ra-228	4.08	pCi/L	M3	UF	EPA 904.0	SMP	0.72	1.91
BDD-SWSF-080817-D	8/8/17 15:45	Sr-90	0.79	pCi/L	LT	UF	ASTM 5811	SMP	0.23	0.67
BDD-SWSF-080817-D	8/8/17 15:45	SSC	7.375	g/L		UF	D3977-97	SMP		
BDD-SWSF-080817-D	8/8/17 15:45	Th-234	50	pCi/L	U	UF	EPA 901.1	SMP	260	440
BDD-SWSF-080817-D	8/8/17 15:45	Tl-208	5	pCi/L	U	UF	EPA 901.1	SMP	11	18
BDD-SWSF-080817-D	8/8/17 15:45	U-234	9.86	pCi/L		10F	HASL-300	SMP	0.79	0.06
BDD-SWSF-080817-D	8/8/17 15:45	U-234	1.18	pCi/g	M3	Dry Weight	HASL-300	SMP	0.096	0.011
BDD-SWSF-080817-D	8/8/17 15:45	U-235	0.487	pCi/L		10F	HASL-300	SMP	0.066	0.016
BDD-SWSF-080817-D	8/8/17 15:45	U-235	0.0581	pCi/g		Dry Weight	HASL-300	SMP	0.009	0.0074
BDD-SWSF-080817-D	8/8/17 15:45	U-238	9.69	pCi/L		10F	HASL-300	SMP	0.78	0.04
BDD-SWSF-080817-D	8/8/17 15:45	U-238	1.216	pCi/g		Dry Weight	HASL-300	SMP	0.099	0.006
BDD-SWSF-080817-E	8/8/17 16:30	Ac-228	58	pCi/L	U	UF	EPA 901.1	SMP	38	59
BDD-SWSF-080817-E	8/8/17 16:30	Am-241	-0.048	pCi/L	U,M	10F	HASL-300	SMP	0.04	0.169
BDD-SWSF-080817-E	8/8/17 16:30	Am-241	0.0046	pCi/g	U,M	Dry Weight	HASL-300	SMP	0.0065	0.0234
BDD-SWSF-080817-E	8/8/17 16:30	Be-7	62	pCi/L	U	UF	EPA 901.1	SMP	87	143
BDD-SWSF-080817-E	8/8/17 16:30	Bi-212	50	pCi/L	U	UF	EPA 901.1	SMP	130	220
BDD-SWSF-080817-E	8/8/17 16:30	Bi-214	-18	pCi/L	U	UF	EPA 901.1	SMP	46	76
BDD-SWSF-080817-E	8/8/17 16:30	Co-60	-4	pCi/L	U	UF	EPA 901.1	SMP	12	21
BDD-SWSF-080817-E	8/8/17 16:30	Cs-134	2	pCi/L	U	UF	EPA 901.1	SMP	14	23
BDD-SWSF-080817-E	8/8/17 16:30	Cs-137	-2	pCi/L	U,M	UF	EPA 901.1	SMP	8.6	14.8
BDD-SWSF-080817-E	8/8/17 16:30	Gross alpha	240	pCi/L	M3	UF	EPA 900.0	SMP	23	24
BDD-SWSF-080817-E	8/8/17 16:30	Gross beta	313	pCi/L	M3	UF	EPA 900.0	SMP	26	21
BDD-SWSF-080817-E	8/8/17 16:30	I-131	-27	pCi/L	U	UF	EPA 901.1	SMP	53	91
BDD-SWSF-080817-E	8/8/17 16:30	K-40	140	pCi/L	U	UF	EPA 901.1	SMP	280	470
BDD-SWSF-080817-E	8/8/17 16:30	Na-22	-4	pCi/L	U	UF	EPA 901.1	SMP	11	19
BDD-SWSF-080817-E	8/8/17 16:30	Np-237	-0.028	pCi/L	U	10F	HASL-300	SMP	0.031	0.138
BDD-SWSF-080817-E	8/8/17 16:30	Np-237	0.004	pCi/g	U	Dry Weight	HASL-300	SMP	0.012	0.053
BDD-SWSF-080817-E	8/8/17 16:30	Pa-234m	-200	pCi/L	U	UF	EPA 901.1	SMP	1700	2800
BDD-SWSF-080817-E	8/8/17 16:30	Pb-212	21	pCi/L	U	UF	EPA 901.1	SMP	21	35
BDD-SWSF-080817-E	8/8/17 16:30	Pb-214	-15	pCi/L	U	UF	EPA 901.1	SMP	34	57
BDD-SWSF-080817-E	8/8/17 16:30	Pu-238	0.018	pCi/L	U,M	10F	HASL-300	SMP	0.022	0.065
BDD-SWSF-080817-E	8/8/17 16:30	Pu-238	0.012	pCi/g	LT	Dry Weight	HASL-300	SMP	0.0037	0.003
BDD-SWSF-080817-E	8/8/17 16:30	Pu-239/240	0.089	pCi/L	M3	10F	HASL-300	SMP	0.031	0.065
BDD-SWSF-080817-E	8/8/17 16:30	Pu-239/240	0.024	pCi/g		Dry Weight	HASL-300	SMP	0.0059	0.0101
BDD-SWSF-080817-E	8/8/17 16:30	Ra-226	1.8	pCi/L		UF	EPA 903.1	SMP	0.35	0.52
BDD-SWSF-080817-E	8/8/17 16:30	Ra-228	4.74	pCi/L	M3	UF	EPA 904.0	SMP	0.98	3
BDD-SWSF-080817-E	8/8/17 16:30	Sr-90	1.1	pCi/L		UF	ASTM 5811	SMP	0.32	0.93
BDD-SWSF-080817-E	8/8/17 16:30	SSC	8.054	g/L		UF	D3977-97	SMP		
BDD-SWSF-080817-E	8/8/17 16:30	Th-234	180	pCi/L	U	UF	EPA 901.1	SMP	240	390
BDD-SWSF-080817-E	8/8/17 16:30	Tl-208	0	pCi/L	U	UF	EPA 901.1	SMP	22	36
BDD-SWSF-080817-E	8/8/17 16:30	U-234	4.13	pCi/L	M3	10F	HASL-300	SMP	0.38	0.12
BDD-SWSF-080817-E	8/8/17 16:30	U-234	1.192	pCi/g		Dry Weight	HASL-300	SMP	0.098	0.007
BDD-SWSF-080817-E	8/8/17 16:30	U-235	0.259	pCi/L		10F	HASL-300	SMP	0.058	0.031

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-080817-E	8/8/17 16:30	U-235	0.042	pCi/g		Dry Weight	HASL-300	SMP	0.0075	0.0029
BDD-SWSF-080817-E	8/8/17 16:30	U-238	3.87	pCi/L	M3	10F	HASL-300	SMP	0.36	0.1
BDD-SWSF-080817-E	8/8/17 16:30	U-238	1.25	pCi/g		Dry Weight	HASL-300	SMP	0.1	0.01
BDD-SWSF-080817-F	8/8/17 17:15	Ac-228	133	pCi/L	NQ	UF	EPA 901.1	SMP	55	80
BDD-SWSF-080817-F	8/8/17 17:15	Am-241	-0.045	pCi/L	U,M	10F	HASL-300	SMP	0.067	0.273
BDD-SWSF-080817-F	8/8/17 17:15	Am-241	0.0025	pCi/g	U,M	Dry Weight	HASL-300	SMP	0.007	0.027
BDD-SWSF-080817-F	8/8/17 17:15	Be-7	0	pCi/L	U	UF	EPA 901.1	SMP	130	220
BDD-SWSF-080817-F	8/8/17 17:15	Bi-212	60	pCi/L	U	UF	EPA 901.1	SMP	190	320
BDD-SWSF-080817-F	8/8/17 17:15	Bi-214	18	pCi/L	U	UF	EPA 901.1	SMP	48	103
BDD-SWSF-080817-F	8/8/17 17:15	Co-60	8	pCi/L	U	UF	EPA 901.1	SMP	16	27
BDD-SWSF-080817-F	8/8/17 17:15	Cs-134	-17	pCi/L	U	UF	EPA 901.1	SMP	14	24
BDD-SWSF-080817-F	8/8/17 17:15	Cs-137	-1	pCi/L	U,M	UF	EPA 901.1	SMP	13	22
BDD-SWSF-080817-F	8/8/17 17:15	Gross alpha	325	pCi/L	M3	UF	EPA 900.0	SMP	32	40
BDD-SWSF-080817-F	8/8/17 17:15	Gross beta	467	pCi/L	M3	UF	EPA 900.0	SMP	39	22
BDD-SWSF-080817-F	8/8/17 17:15	I-131	-22	pCi/L	U	UF	EPA 901.1	SMP	81	138
BDD-SWSF-080817-F	8/8/17 17:15	K-40	170	pCi/L	U	UF	EPA 901.1	SMP	410	670
BDD-SWSF-080817-F	8/8/17 17:15	Na-22	-2	pCi/L	U	UF	EPA 901.1	SMP	16	28
BDD-SWSF-080817-F	8/8/17 17:15	Np-237	-0.1	pCi/L	U,M	10F	HASL-300	SMP	0.051	0.239
BDD-SWSF-080817-F	8/8/17 17:15	Np-237	-0.002	pCi/g	U	Dry Weight	HASL-300	DUP	0.011	0.033
BDD-SWSF-080817-F	8/8/17 17:15	Np-237	0.02	pCi/g	U	Dry Weight	HASL-300	SMP	0.014	0.046
BDD-SWSF-080817-F	8/8/17 17:15	Pa-234m	1100	pCi/L	U	UF	EPA 901.1	SMP	2200	3700
BDD-SWSF-080817-F	8/8/17 17:15	Pb-212	20	pCi/L	U	UF	EPA 901.1	SMP	35	58
BDD-SWSF-080817-F	8/8/17 17:15	Pb-214	-27	pCi/L	U	UF	EPA 901.1	SMP	53	89
BDD-SWSF-080817-F	8/8/17 17:15	Pu-238	0.06	pCi/L	U,M	10F	HASL-300	SMP	0.05	0.148
BDD-SWSF-080817-F	8/8/17 17:15	Pu-238	0.0096	pCi/g	U	Dry Weight	HASL-300	SMP	0.0039	0.0099
BDD-SWSF-080817-F	8/8/17 17:15	Pu-239/240	0.54	pCi/L	M3	10F	HASL-300	SMP	0.11	0.05
BDD-SWSF-080817-F	8/8/17 17:15	Pu-239/240	0.0213	pCi/g		Dry Weight	HASL-300	SMP	0.0052	0.0078
BDD-SWSF-080817-F	8/8/17 17:15	Ra-226	9.6	pCi/L		UF	EPA 903.1	SMP	1.3	0.6
BDD-SWSF-080817-F	8/8/17 17:15	Ra-228	9	pCi/L	M3	UF	EPA 904.0	SMP	1.7	4.9
BDD-SWSF-080817-F	8/8/17 17:15	Sr-90	0.79	pCi/L	U,M	UF	ASTM 5811	SMP	0.54	1.76
BDD-SWSF-080817-F	8/8/17 17:15	SSC	15.105	g/L		UF	D3977-97	SMP		
BDD-SWSF-080817-F	8/8/17 17:15	Th-234	160	pCi/L	U	UF	EPA 901.1	SMP	370	640
BDD-SWSF-080817-F	8/8/17 17:15	Tl-208	10	pCi/L	U	UF	EPA 901.1	SMP	26	44
BDD-SWSF-080817-F	8/8/17 17:15	U-234	11.11	pCi/L	M3	10F	HASL-300	SMP	0.94	0.18
BDD-SWSF-080817-F	8/8/17 17:15	U-234	1.197	pCi/g		Dry Weight	HASL-300	SMP	0.098	0.01
BDD-SWSF-080817-F	8/8/17 17:15	U-235	0.5	pCi/L		10F	HASL-300	SMP	0.1	0.05
BDD-SWSF-080817-F	8/8/17 17:15	U-235	0.0534	pCi/g		Dry Weight	HASL-300	SMP	0.0088	0.008
BDD-SWSF-080817-F	8/8/17 17:15	U-238	10.36	pCi/L	M3	10F	HASL-300	SMP	0.89	0.19
BDD-SWSF-080817-F	8/8/17 17:15	U-238	1.24	pCi/g		Dry Weight	HASL-300	SMP	0.1	0.01
BDD-SWSF-080817-G	8/8/17 17:57	Ac-228	14	pCi/L	U	UF	EPA 901.1	SMP	31	51
BDD-SWSF-080817-G	8/8/17 17:57	Am-241	-0.005	pCi/L	U,M	10F	HASL-300	SMP	0.031	0.118
BDD-SWSF-080817-G	8/8/17 17:57	Am-241	-0.0005	pCi/g	U,M	Dry Weight	HASL-300	DUP	0.0058	0.0238
BDD-SWSF-080817-G	8/8/17 17:57	Am-241	0.0138	pCi/g	U,M	Dry Weight	HASL-300	SMP	0.0073	0.0224
BDD-SWSF-080817-G	8/8/17 17:57	Be-7	69	pCi/L	U	UF	EPA 901.1	SMP	55	88
BDD-SWSF-080817-G	8/8/17 17:57	Bi-212	45	pCi/L	U	UF	EPA 901.1	SMP	66	109
BDD-SWSF-080817-G	8/8/17 17:57	Bi-214	3	pCi/L	U	UF	EPA 901.1	SMP	23	38
BDD-SWSF-080817-G	8/8/17 17:57	Co-60	-0.4	pCi/L	U	UF	EPA 901.1	SMP	5.1	8.8
BDD-SWSF-080817-G	8/8/17 17:57	Cs-134	1.8	pCi/L	U	UF	EPA 901.1	SMP	6.2	10.3
BDD-SWSF-080817-G	8/8/17 17:57	Cs-137	0.3	pCi/L	U	UF	EPA 901.1	SMP	4.5	7.6
BDD-SWSF-080817-G	8/8/17 17:57	Gross alpha	247	pCi/L	M3	UF	EPA 900.0	SMP	23	21
BDD-SWSF-080817-G	8/8/17 17:57	Gross beta	234	pCi/L	M3	UF	EPA 900.0	SMP	20	22
BDD-SWSF-080817-G	8/8/17 17:57	I-131	8	pCi/L	U	UF	EPA 901.1	SMP	28	48
BDD-SWSF-080817-G	8/8/17 17:57	K-40	40	pCi/L	U	UF	EPA 901.1	SMP	140	230
BDD-SWSF-080817-G	8/8/17 17:57	Na-22	0.3	pCi/L	U	UF	EPA 901.1	SMP	4.8	8.3
BDD-SWSF-080817-G	8/8/17 17:57	Np-237	0	pCi/L	U	10F	HASL-300	SMP	0.016	0.067

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-080817-G	8/8/17 17:57	Np-237	0.0034	pCi/g	U	Dry Weight	HASL-300	SMP	0.0099	0.0296
BDD-SWSF-080817-G	8/8/17 17:57	Pa-234m	-40	pCi/L	U	UF	EPA 901.1	SMP	830	1420
BDD-SWSF-080817-G	8/8/17 17:57	Pb-212	3	pCi/L	U	UF	EPA 901.1	SMP	12	21
BDD-SWSF-080817-G	8/8/17 17:57	Pb-214	0	pCi/L	U	UF	EPA 901.1	SMP	18	29
BDD-SWSF-080817-G	8/8/17 17:57	Pu-238	0.068	pCi/L		10F	HASL-300	SMP	0.02	0.015
BDD-SWSF-080817-G	8/8/17 17:57	Pu-238	0.0064	pCi/g	U	Dry Weight	HASL-300	DUP	0.0031	0.0078
BDD-SWSF-080817-G	8/8/17 17:57	Pu-238	0.0084	pCi/g	U	Dry Weight	HASL-300	SMP	0.004	0.0112
BDD-SWSF-080817-G	8/8/17 17:57	Pu-239/240	0.091	pCi/L		10F	HASL-300	SMP	0.024	0.015
BDD-SWSF-080817-G	8/8/17 17:57	Pu-239/240	0.0276	pCi/g		Dry Weight	HASL-300	DUP	0.006	0.0078
BDD-SWSF-080817-G	8/8/17 17:57	Pu-239/240	0.0334	pCi/g		Dry Weight	HASL-300	SMP	0.0068	0.0097
BDD-SWSF-080817-G	8/8/17 17:57	Ra-226	2.63	pCi/L		UF	EPA 903.1	SMP	0.39	0.27
BDD-SWSF-080817-G	8/8/17 17:57	Ra-228	3.93	pCi/L	M3	UF	EPA 904.0	SMP	0.7	1.9
BDD-SWSF-080817-G	8/8/17 17:57	Sr-90	0.69	pCi/L	LT	UF	ASTM 5811	SMP	0.17	0.49
BDD-SWSF-080817-G	8/8/17 17:57	SSC	7.545	g/L		UF	D3977-97	SMP		
BDD-SWSF-080817-G	8/8/17 17:57	Th-234	55	pCi/L	U	UF	EPA 901.1	SMP	67	137
BDD-SWSF-080817-G	8/8/17 17:57	Tl-208	-1.5	pCi/L	U	UF	EPA 901.1	SMP	9.5	15.9
BDD-SWSF-080817-G	8/8/17 17:57	U-234	7.48	pCi/L		10F	HASL-300	SMP	0.61	0.06
BDD-SWSF-080817-G	8/8/17 17:57	U-234	1.144	pCi/g		Dry Weight	HASL-300	DUP	0.094	0.003
BDD-SWSF-080817-G	8/8/17 17:57	U-234	1.24	pCi/g		Dry Weight	HASL-300	SMP	0.1	0.01
BDD-SWSF-080817-G	8/8/17 17:57	U-235	0.398	pCi/L		10F	HASL-300	SMP	0.06	0.018
BDD-SWSF-080817-G	8/8/17 17:57	U-235	0.079	pCi/g	M3	Dry Weight	HASL-300	DUP	0.012	0.011
BDD-SWSF-080817-G	8/8/17 17:57	U-235	0.0551	pCi/g		Dry Weight	HASL-300	SMP	0.0087	0.0028
BDD-SWSF-080817-G	8/8/17 17:57	U-238	7.55	pCi/L		10F	HASL-300	SMP	0.62	0.05
BDD-SWSF-080817-G	8/8/17 17:57	U-238	1.23	pCi/g		Dry Weight	HASL-300	DUP	0.1	0.01
BDD-SWSF-080817-G	8/8/17 17:57	U-238	1.32	pCi/g		Dry Weight	HASL-300	SMP	0.11	0.01
BDD-SWSF-080817-H	8/8/17 18:42	Ac-228	30	pCi/L	NQ	UF	EPA 901.1	SMP	14	26
BDD-SWSF-080817-H	8/8/17 18:42	Am-241	0.008	pCi/L	U,M	10F	HASL-300	SMP	0.022	0.081
BDD-SWSF-080817-H	8/8/17 18:42	Am-241	0.0038	pCi/g	Y2,U,M	Dry Weight	HASL-300	SMP	0.0093	0.0361
BDD-SWSF-080817-H	8/8/17 18:42	Be-7	-6	pCi/L	U	UF	EPA 901.1	SMP	40	67
BDD-SWSF-080817-H	8/8/17 18:42	Bi-212	92	pCi/L	U	UF	EPA 901.1	SMP	61	95
BDD-SWSF-080817-H	8/8/17 18:42	Bi-214	5	pCi/L	U	UF	EPA 901.1	SMP	20	32
BDD-SWSF-080817-H	8/8/17 18:42	Co-60	0	pCi/L	U	UF	EPA 901.1	SMP	4.9	8.5
BDD-SWSF-080817-H	8/8/17 18:42	Cs-134	-2.1	pCi/L	U	UF	EPA 901.1	SMP	4.4	7.6
BDD-SWSF-080817-H	8/8/17 18:42	Cs-137	-2.1	pCi/L	U	UF	EPA 901.1	SMP	4.5	7.8
BDD-SWSF-080817-H	8/8/17 18:42	Gross alpha	95	pCi/L	M3	UF	EPA 900.0	SMP	9.9	14.2
BDD-SWSF-080817-H	8/8/17 18:42	Gross beta	101	pCi/L	M3	UF	EPA 900.0	SMP	11	23
BDD-SWSF-080817-H	8/8/17 18:42	I-131	3	pCi/L	U	UF	EPA 901.1	SMP	23	39
BDD-SWSF-080817-H	8/8/17 18:42	K-40	60	pCi/L	U	UF	EPA 901.1	SMP	120	200
BDD-SWSF-080817-H	8/8/17 18:42	Na-22	2.4	pCi/L	U	UF	EPA 901.1	SMP	4.7	7.9
BDD-SWSF-080817-H	8/8/17 18:42	Np-237	0.048	pCi/L	LT	10F	HASL-300	SMP	0.018	0.013
BDD-SWSF-080817-H	8/8/17 18:42	Np-237	0.002	pCi/g	U	Dry Weight	HASL-300	SMP	0.01	0.036
BDD-SWSF-080817-H	8/8/17 18:42	Pa-234m	350	pCi/L	U	UF	EPA 901.1	SMP	760	1280
BDD-SWSF-080817-H	8/8/17 18:42	Pb-212	4	pCi/L	U	UF	EPA 901.1	SMP	12	20
BDD-SWSF-080817-H	8/8/17 18:42	Pb-214	0	pCi/L	U	UF	EPA 901.1	SMP	15	25
BDD-SWSF-080817-H	8/8/17 18:42	Pu-238	0.022	pCi/L	U	10F	HASL-300	SMP	0.013	0.04
BDD-SWSF-080817-H	8/8/17 18:42	Pu-238	0	pCi/g	U	Dry Weight	HASL-300	SMP	0.0036	0.0148
BDD-SWSF-080817-H	8/8/17 18:42	Pu-239/240	0.121	pCi/L		10F	HASL-300	SMP	0.026	0.04
BDD-SWSF-080817-H	8/8/17 18:42	Pu-239/240	0.026	pCi/g		Dry Weight	HASL-300	SMP	0.006	0.0083
BDD-SWSF-080817-H	8/8/17 18:42	Ra-226	1.46	pCi/L		UF	EPA 903.1	SMP	0.25	0.29
BDD-SWSF-080817-H	8/8/17 18:42	Ra-228	2.61	pCi/L	M3	UF	EPA 904.0	SMP	0.51	1.51
BDD-SWSF-080817-H	8/8/17 18:42	Sr-90	0.14	pCi/L	U	UF	ASTM 5811	SMP	0.13	0.42
BDD-SWSF-080817-H	8/8/17 18:42	SSC	4.108	g/L		UF	D3977-97	SMP		
BDD-SWSF-080817-H	8/8/17 18:42	Th-234	70	pCi/L	U	UF	EPA 901.1	SMP	60	119
BDD-SWSF-080817-H	8/8/17 18:42	Tl-208	1.5	pCi/L	U	UF	EPA 901.1	SMP	9.9	16.5
BDD-SWSF-080817-H	8/8/17 18:42	U-234	5.15	pCi/L		10F	HASL-300	SMP	0.42	0.04

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-080817-H	8/8/17 18:42	U-234	0.986	pCi/g	M3	Dry Weight	HASL-300	SMP	0.084	0.013
BDD-SWSF-080817-H	8/8/17 18:42	U-235	0.23	pCi/L		10F	HASL-300	SMP	0.038	0.035
BDD-SWSF-080817-H	8/8/17 18:42	U-235	0.0447	pCi/g	M3	Dry Weight	HASL-300	SMP	0.009	0.0106
BDD-SWSF-080817-H	8/8/17 18:42	U-238	4.9	pCi/L		10F	HASL-300	SMP	0.4	0.05
BDD-SWSF-080817-H	8/8/17 18:42	U-238	1.035	pCi/g	M3	Dry Weight	HASL-300	SMP	0.088	0.013
BDD-SWSF-080817-I	8/8/17 19:27	Ac-228	13	pCi/L	U	UF	EPA 901.1	SMP	12	20
BDD-SWSF-080817-I	8/8/17 19:27	Am-241	0.002	pCi/L	U,M	10F	HASL-300	SMP	0.015	0.058
BDD-SWSF-080817-I	8/8/17 19:27	Am-241	-0.0022	pCi/g	Y2,U,M	Dry Weight	HASL-300	SMP	0.0098	0.0405
BDD-SWSF-080817-I	8/8/17 19:27	Be-7	3	pCi/L	U	UF	EPA 901.1	SMP	34	58
BDD-SWSF-080817-I	8/8/17 19:27	Bi-212	48	pCi/L	U	UF	EPA 901.1	SMP	53	86
BDD-SWSF-080817-I	8/8/17 19:27	Bi-214	15.4	pCi/L	NQ	UF	EPA 901.1	SMP	8.1	12.5
BDD-SWSF-080817-I	8/8/17 19:27	Co-60	2.3	pCi/L	U	UF	EPA 901.1	SMP	4.8	8
BDD-SWSF-080817-I	8/8/17 19:27	Cs-134	-3.8	pCi/L	U	UF	EPA 901.1	SMP	4	6.8
BDD-SWSF-080817-I	8/8/17 19:27	Cs-137	-0.1	pCi/L	U	UF	EPA 901.1	SMP	3.9	6.6
BDD-SWSF-080817-I	8/8/17 19:27	Gross alpha	57.4	pCi/L	M3	UF	EPA 900.0	SMP	7.2	13.8
BDD-SWSF-080817-I	8/8/17 19:27	Gross beta	73.2	pCi/L	M3	UF	EPA 900.0	SMP	9	21
BDD-SWSF-080817-I	8/8/17 19:27	I-131	9	pCi/L	U	UF	EPA 901.1	SMP	22	36
BDD-SWSF-080817-I	8/8/17 19:27	K-40	70	pCi/L	U	UF	EPA 901.1	SMP	140	230
BDD-SWSF-080817-I	8/8/17 19:27	Na-22	7.9	pCi/L	NQ	UF	EPA 901.1	SMP	4.6	7
BDD-SWSF-080817-I	8/8/17 19:27	Np-237	0.0062	pCi/L	U	10F	HASL-300	SMP	0.0077	0.0228
BDD-SWSF-080817-I	8/8/17 19:27	Np-237	0.026	pCi/g	U	Dry Weight	HASL-300	SMP	0.014	0.03
BDD-SWSF-080817-I	8/8/17 19:27	Pa-234m	630	pCi/L	U	UF	EPA 901.1	SMP	690	1120
BDD-SWSF-080817-I	8/8/17 19:27	Pb-212	0.1	pCi/L	U	UF	EPA 901.1	SMP	8.6	14.4
BDD-SWSF-080817-I	8/8/17 19:27	Pb-214	12.4	pCi/L	NQ	UF	EPA 901.1	SMP	6.8	10.5
BDD-SWSF-080817-I	8/8/17 19:27	Pu-238	0.0173	pCi/L	U	10F	HASL-300	SMP	0.0083	0.0212
BDD-SWSF-080817-I	8/8/17 19:27	Pu-238	0.0095	pCi/g	U	Dry Weight	HASL-300	SMP	0.0042	0.0114
BDD-SWSF-080817-I	8/8/17 19:27	Pu-239/240	0.0087	pCi/L	LT	10F	HASL-300	SMP	0.0071	0.0078
BDD-SWSF-080817-I	8/8/17 19:27	Pu-239/240	0.0127	pCi/g	LT	Dry Weight	HASL-300	SMP	0.0038	0.0029
BDD-SWSF-080817-I	8/8/17 19:27	Ra-226	1.14	pCi/L		UF	EPA 903.1	SMP	0.18	0.13
BDD-SWSF-080817-I	8/8/17 19:27	Ra-228	1.95	pCi/L	M3	UF	EPA 904.0	SMP	0.37	1.04
BDD-SWSF-080817-I	8/8/17 19:27	Sr-90	0.25	pCi/L	U	UF	ASTM 5811	SMP	0.087	0.266
BDD-SWSF-080817-I	8/8/17 19:27	SSC	2.708	g/L		UF	D3977-97	SMP		
BDD-SWSF-080817-I	8/8/17 19:27	Th-234	0	pCi/L	U	UF	EPA 901.1	SMP	100	170
BDD-SWSF-080817-I	8/8/17 19:27	Tl-208	5.2	pCi/L	U	UF	EPA 901.1	SMP	3.9	6.3
BDD-SWSF-080817-I	8/8/17 19:27	U-234	2.81	pCi/L		10F	HASL-300	SMP	0.24	0.04
BDD-SWSF-080817-I	8/8/17 19:27	U-234	0.818	pCi/g	M3	Dry Weight	HASL-300	SMP	0.072	0.016
BDD-SWSF-080817-I	8/8/17 19:27	U-235	0.11	pCi/L		10F	HASL-300	SMP	0.022	0.027
BDD-SWSF-080817-I	8/8/17 19:27	U-235	0.0426	pCi/g	M3	Dry Weight	HASL-300	SMP	0.0088	0.0108
BDD-SWSF-080817-I	8/8/17 19:27	U-238	2.6	pCi/L		10F	HASL-300	SMP	0.22	0.02
BDD-SWSF-080817-I	8/8/17 19:27	U-238	0.801	pCi/g	M3	Dry Weight	HASL-300	SMP	0.07	0.012
BDD-SWSF-080817-J	8/8/17 21:03	Am-241	-0.015	pCi/L	U,M	UF	HASL-300	SMP	0.014	0.057
BDD-SWSF-080817-J	8/8/17 21:03	Pu-238	0.0108	pCi/L	U	UF	HASL-300	SMP	0.0077	0.025
BDD-SWSF-080817-J	8/8/17 21:03	Pu-239/240	0.059	pCi/L		UF	HASL-300	SMP	0.014	0.02
BDD-SWSF-080817-J	8/8/17 21:03	SSC	2.262	g/L		UF	D3977-97	SMP		
BDD-SWSF-080817-J	8/8/17 21:03	U-234	3.03	pCi/L		UF	HASL-300	SMP	0.25	0.03
BDD-SWSF-080817-J	8/8/17 21:03	U-235	0.1	pCi/L	LT	UF	HASL-300	SMP	0.02	0.027
BDD-SWSF-080817-J	8/8/17 21:03	U-238	2.78	pCi/L		UF	HASL-300	SMP	0.23	0.02
BDD-SWBF-083017-A	8/30/17 10:00	Ac-228	11.2	pCi/L	U	UF	EPA 901.1	DUP	7.5	12.9
BDD-SWBF-083017-A	8/30/17 10:00	Ac-228	2	pCi/L	U	UF	EPA 901.1	SMP	28	47
BDD-SWBF-083017-A	8/30/17 10:00	Am-241	-0.0128	pCi/L	U	UF	HASL-300	SMP	0.0074	0.0329
BDD-SWBF-083017-A	8/30/17 10:00	Be-7	1	pCi/L	U	UF	EPA 901.1	DUP	18	31
BDD-SWBF-083017-A	8/30/17 10:00	Be-7	-20	pCi/L	U	UF	EPA 901.1	SMP	26	46
BDD-SWBF-083017-A	8/30/17 10:00	Bi-212	58	pCi/L	NQ	UF	EPA 901.1	DUP	35	54
BDD-SWBF-083017-A	8/30/17 10:00	Bi-212	15	pCi/L	U	UF	EPA 901.1	SMP	47	78
BDD-SWBF-083017-A	8/30/17 10:00	Bi-214	2	pCi/L	U	UF	EPA 901.1	DUP	11	19

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWBF-083017-A	8/30/17 10:00	Bi-214	11.4	pCi/L	U	UF	EPA 901.1	SMP	7.3	11.5
BDD-SWBF-083017-A	8/30/17 10:00	Co-60	1	pCi/L	U	UF	EPA 901.1	DUP	2.6	4.4
BDD-SWBF-083017-A	8/30/17 10:00	Co-60	2.1	pCi/L	U	UF	EPA 901.1	SMP	4.1	6.8
BDD-SWBF-083017-A	8/30/17 10:00	Cs-134	-3	pCi/L	U	UF	EPA 901.1	DUP	2.3	4
BDD-SWBF-083017-A	8/30/17 10:00	Cs-134	-2.9	pCi/L	U	UF	EPA 901.1	SMP	3.5	6
BDD-SWBF-083017-A	8/30/17 10:00	Cs-137	-1.5	pCi/L	U	UF	EPA 901.1	DUP	2.2	3.9
BDD-SWBF-083017-A	8/30/17 10:00	Cs-137	-1.7	pCi/L	U	UF	EPA 901.1	SMP	3.5	6.1
BDD-SWBF-083017-A	8/30/17 10:00	Gross alpha	13.4	pCi/L		UF	EPA 900.0	DUP	1.5	2.3
BDD-SWBF-083017-A	8/30/17 10:00	Gross alpha	10.9	pCi/L		UF	EPA 900.0	SMP	1.3	2.2
BDD-SWBF-083017-A	8/30/17 10:00	Gross beta	25.8	pCi/L		UF	EPA 900.0	DUP	2.3	3
BDD-SWBF-083017-A	8/30/17 10:00	Gross beta	22	pCi/L		UF	EPA 900.0	SMP	2.1	3.1
BDD-SWBF-083017-A	8/30/17 10:00	I-131	-1.8	pCi/L	U	UF	EPA 901.1	DUP	7.2	12.2
BDD-SWBF-083017-A	8/30/17 10:00	I-131	0	pCi/L	U	UF	EPA 901.1	SMP	8.5	14.4
BDD-SWBF-083017-A	8/30/17 10:00	K-40	12	pCi/L	U	UF	EPA 901.1	DUP	67	112
BDD-SWBF-083017-A	8/30/17 10:00	K-40	-10	pCi/L	U	UF	EPA 901.1	SMP	130	210
BDD-SWBF-083017-A	8/30/17 10:00	Na-22	-2	pCi/L	U	UF	EPA 901.1	DUP	2.6	4.6
BDD-SWBF-083017-A	8/30/17 10:00	Na-22	-0.5	pCi/L	U	UF	EPA 901.1	SMP	4.2	7.2
BDD-SWBF-083017-A	8/30/17 10:00	Np-237	0.018	pCi/L	LT	UF	HASL-300	SMP	0.0067	0.0049
BDD-SWBF-083017-A	8/30/17 10:00	Pa-234m	60	pCi/L	U	UF	EPA 901.1	DUP	410	700
BDD-SWBF-083017-A	8/30/17 10:00	Pa-234m	490	pCi/L	U	UF	EPA 901.1	SMP	610	1000
BDD-SWBF-083017-A	8/30/17 10:00	Pb-212	-3	pCi/L	U	UF	EPA 901.1	DUP	7.6	12.7
BDD-SWBF-083017-A	8/30/17 10:00	Pb-212	0.6	pCi/L	U	UF	EPA 901.1	SMP	8.5	14.1
BDD-SWBF-083017-A	8/30/17 10:00	Pb-214	-0.9	pCi/L	U	UF	EPA 901.1	DUP	9.3	15.4
BDD-SWBF-083017-A	8/30/17 10:00	Pb-214	-4	pCi/L	U	UF	EPA 901.1	SMP	13	22
BDD-SWBF-083017-A	8/30/17 10:00	Pu-238	0.016	pCi/L	LT	UF	HASL-300	SMP	0.006	0.0131
BDD-SWBF-083017-A	8/30/17 10:00	Pu-239/240	0.0301	pCi/L	LT	UF	HASL-300	SMP	0.0081	0.013
BDD-SWBF-083017-A	8/30/17 10:00	Ra-226	1.49	pCi/L		UF	EPA 903.1	SMP	0.22	0.15
BDD-SWBF-083017-A	8/30/17 10:00	Ra-228	1.67	pCi/L		UF	EPA 904.0	SMP	0.33	0.99
BDD-SWBF-083017-A	8/30/17 10:00	Sr-90	-0.074	pCi/L	U	UF	ASTM 5811	SMP	0.076	0.254
BDD-SWBF-083017-A	8/30/17 10:00	SSC	0.765	g/L		UF	D3977-97	SMP		
BDD-SWBF-083017-A	8/30/17 10:00	Th-234	15	pCi/L	U	UF	EPA 901.1	DUP	40	66
BDD-SWBF-083017-A	8/30/17 10:00	Th-234	-1	pCi/L	U	UF	EPA 901.1	SMP	92	153
BDD-SWBF-083017-A	8/30/17 10:00	Tl-208	-0.4	pCi/L	U	UF	EPA 901.1	DUP	5.4	9
BDD-SWBF-083017-A	8/30/17 10:00	Tl-208	0.8	pCi/L	U	UF	EPA 901.1	SMP	7	11.6
BDD-SWBF-083017-A	8/30/17 10:00	U-234	1.24	pCi/L		UF	HASL-300	SMP	0.11	0.02
BDD-SWBF-083017-A	8/30/17 10:00	U-235	0.048	pCi/L	LT	UF	HASL-300	SMP	0.012	0.02
BDD-SWBF-083017-A	8/30/17 10:00	U-238	1.05	pCi/L		UF	HASL-300	SMP	0.092	0.014
BDD-SWSF-092817-A	9/28/17 0:08	Ac-228	32	pCi/L	NQ	UF	EPA 901.1	SMP	14	30
BDD-SWSF-092817-A	9/28/17 0:08	Am-241	0.008	pCi/L	U,M	10F	HASL-300	SMP	0.025	0.094
BDD-SWSF-092817-A	9/28/17 0:08	Am-241	0.0051	pCi/g	U,M	Dry Weight	HASL-300	SMP		0.0081
BDD-SWSF-092817-A	9/28/17 0:08	Be-7	-16	pCi/L	U	UF	EPA 901.1	SMP	46	79
BDD-SWSF-092817-A	9/28/17 0:08	Bi-212	65	pCi/L	U	UF	EPA 901.1	SMP	64	103
BDD-SWSF-092817-A	9/28/17 0:08	Bi-214	6	pCi/L	U	UF	EPA 901.1	SMP	16	35
BDD-SWSF-092817-A	9/28/17 0:08	Co-60	-4.9	pCi/L	U	UF	EPA 901.1	SMP	5.1	9.2
BDD-SWSF-092817-A	9/28/17 0:08	Cs-134	-3.2	pCi/L	U	UF	EPA 901.1	SMP	4.3	7.4
BDD-SWSF-092817-A	9/28/17 0:08	Cs-137	1.4	pCi/L	U	UF	EPA 901.1	SMP	4.2	7
BDD-SWSF-092817-A	9/28/17 0:08	Gross alpha	3.3	pCi/L		UF	EPA 900.0	SMP	0.38	0.67
BDD-SWSF-092817-A	9/28/17 0:08	Gross beta	3.99	pCi/L	LT	UF	EPA 900.0	SMP	0.5	1.2
BDD-SWSF-092817-A	9/28/17 0:08	I-131	50	pCi/L	U	UF	EPA 901.1	SMP	140	230
BDD-SWSF-092817-A	9/28/17 0:08	K-40	70	pCi/L	U	UF	EPA 901.1	SMP	120	200
BDD-SWSF-092817-A	9/28/17 0:08	Na-22	-2.9	pCi/L	U	UF	EPA 901.1	SMP	4.9	8.8
BDD-SWSF-092817-A	9/28/17 0:08	Np-237	-0.01	pCi/L	U	10F	HASL-300	SMP	0.015	0.068
BDD-SWSF-092817-A	9/28/17 0:08	Np-237	0.0011	pCi/g	U	Dry Weight	HASL-300	SMP		0.0034
BDD-SWSF-092817-A	9/28/17 0:08	Pa-234m	100	pCi/L	U	UF	EPA 901.1	SMP	750	1280
BDD-SWSF-092817-A	9/28/17 0:08	Pb-212	2	pCi/L	U	UF	EPA 901.1	SMP	12	19

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-092817-A	9/28/17 0:08	Pb-214	-13	pCi/L	U	UF	EPA 901.1	SMP	18	29
BDD-SWSF-092817-A	9/28/17 0:08	Pu-238	0.043	pCi/L	LT	10F	HASL-300	SMP	0.016	0.035
BDD-SWSF-092817-A	9/28/17 0:08	Pu-238	0.0053	pCi/g	Y2,U	Dry Weight	HASL-300	SMP		0.0066
BDD-SWSF-092817-A	9/28/17 0:08	Pu-239/240	0.048	pCi/L	LT	10F	HASL-300	SMP	0.018	0.044
BDD-SWSF-092817-A	9/28/17 0:08	Pu-239/240	0.0053	pCi/g	Y2,U,M	Dry Weight	HASL-300	SMP		0.0065
BDD-SWSF-092817-A	9/28/17 0:08	Ra-226	6.47	pCi/L		UF	EPA 903.1	SMP	0.93	0.26
BDD-SWSF-092817-A	9/28/17 0:08	Ra-228	8.7	pCi/L	M3	UF	EPA 904.0	SMP	1.3	2.5
BDD-SWSF-092817-A	9/28/17 0:08	Sr-90	0.36	pCi/L	U	UF	ASTM 5811	SMP	0.19	0.59
BDD-SWSF-092817-A	9/28/17 0:08	Th-234	-54	pCi/L	U	UF	EPA 901.1	SMP	79	132
BDD-SWSF-092817-A	9/28/17 0:08	Tl-208	6.8	pCi/L	U	UF	EPA 901.1	SMP	4.5	7.1
BDD-SWSF-092817-A	9/28/17 0:08	U-234	6.17	pCi/L		10F	HASL-300	SMP	0.5	0.01
BDD-SWSF-092817-A	9/28/17 0:08	U-234	1.024	pCi/g	M3	Dry Weight	HASL-300	SMP		0.085
BDD-SWSF-092817-A	9/28/17 0:08	U-235	0.278	pCi/L		10F	HASL-300	SMP	0.044	0.039
BDD-SWSF-092817-A	9/28/17 0:08	U-235	0.057	pCi/g		Dry Weight	HASL-300	SMP		0.009
BDD-SWSF-092817-A	9/28/17 0:08	U-238	6.28	pCi/L		10F	HASL-300	SMP	0.51	0.01
BDD-SWSF-092817-A	9/28/17 0:08	U-238	1.117	pCi/g	M3	Dry Weight	HASL-300	SMP		0.092
BDD-SWSF-092817-A	9/28/17 0:12	SSC	5.726	g/L		UF	D3977-97	SMP		
BDD-SWSF-092817-B	9/28/17 0:38	Ac-228	-44	pCi/L	U	UF	EPA 901.1	DUP	96	162
BDD-SWSF-092817-B	9/28/17 0:38	Ac-228	-16	pCi/L	U	UF	EPA 901.1	SMP	90	151
BDD-SWSF-092817-B	9/28/17 0:38	Am-241	-0.038	pCi/L	U,M	10F	HASL-300	SMP	0.041	0.172
BDD-SWSF-092817-B	9/28/17 0:38	Am-241	-0.007	pCi/g	Y2,U,M	Dry Weight	HASL-300	SMP		0.011
BDD-SWSF-092817-B	9/28/17 0:38	Be-7	40	pCi/L	U	UF	EPA 901.1	DUP	120	200
BDD-SWSF-092817-B	9/28/17 0:38	Be-7	0	pCi/L	U	UF	EPA 901.1	SMP	110	190
BDD-SWSF-092817-B	9/28/17 0:38	Bi-212	110	pCi/L	U	UF	EPA 901.1	DUP	150	250
BDD-SWSF-092817-B	9/28/17 0:38	Bi-212	10	pCi/L	U	UF	EPA 901.1	SMP	120	210
BDD-SWSF-092817-B	9/28/17 0:38	Bi-214	47	pCi/L	NQ	UF	EPA 901.1	DUP	22	33
BDD-SWSF-092817-B	9/28/17 0:38	Bi-214	0	pCi/L	U	UF	EPA 901.1	SMP	49	82
BDD-SWSF-092817-B	9/28/17 0:38	Co-60	2	pCi/L	U	UF	EPA 901.1	DUP	12	20
BDD-SWSF-092817-B	9/28/17 0:38	Co-60	-7	pCi/L	U	UF	EPA 901.1	SMP	10	18
BDD-SWSF-092817-B	9/28/17 0:38	Cs-134	0	pCi/L	U	UF	EPA 901.1	DUP	10	18
BDD-SWSF-092817-B	9/28/17 0:38	Cs-134	-13	pCi/L	U	UF	EPA 901.1	SMP	10	18
BDD-SWSF-092817-B	9/28/17 0:38	Cs-137	4	pCi/L	U,M	UF	EPA 901.1	DUP	11	18
BDD-SWSF-092817-B	9/28/17 0:38	Cs-137	2.8	pCi/L	U,M	UF	EPA 901.1	SMP	9.3	15.6
BDD-SWSF-092817-B	9/28/17 0:38	Gross alpha	6.09	pCi/L		UF	EPA 900.0	SMP	0.59	0.65
BDD-SWSF-092817-B	9/28/17 0:38	Gross beta	7.19	pCi/L		UF	EPA 900.0	SMP	0.71	1.22
BDD-SWSF-092817-B	9/28/17 0:38	I-131	70	pCi/L	U	UF	EPA 901.1	DUP	400	670
BDD-SWSF-092817-B	9/28/17 0:38	I-131	-300	pCi/L	U	UF	EPA 901.1	SMP	300	510
BDD-SWSF-092817-B	9/28/17 0:38	K-40	-160	pCi/L	U	UF	EPA 901.1	DUP	370	620
BDD-SWSF-092817-B	9/28/17 0:38	K-40	130	pCi/L	U	UF	EPA 901.1	SMP	280	460
BDD-SWSF-092817-B	9/28/17 0:38	Na-22	-4	pCi/L	U	UF	EPA 901.1	DUP	11	20
BDD-SWSF-092817-B	9/28/17 0:38	Na-22	-2.7	pCi/L	U	UF	EPA 901.1	SMP	9.9	17.2
BDD-SWSF-092817-B	9/28/17 0:38	Np-237	-0.02	pCi/L	U	10F	HASL-300	SMP	0.031	0.139
BDD-SWSF-092817-B	9/28/17 0:38	Np-237	0.0035	pCi/g	U	Dry Weight	HASL-300	SMP		0.0039
BDD-SWSF-092817-B	9/28/17 0:38	Pa-234m	600	pCi/L	U	UF	EPA 901.1	DUP	1800	3000
BDD-SWSF-092817-B	9/28/17 0:38	Pa-234m	0	pCi/L	U	UF	EPA 901.1	SMP	1500	2600
BDD-SWSF-092817-B	9/28/17 0:38	Pb-212	29	pCi/L	NQ	UF	EPA 901.1	DUP	16	25
BDD-SWSF-092817-B	9/28/17 0:38	Pb-212	14	pCi/L	U	UF	EPA 901.1	SMP	32	52
BDD-SWSF-092817-B	9/28/17 0:38	Pb-214	36	pCi/L	D,NQ	UF	EPA 901.1	DUP	20	31
BDD-SWSF-092817-B	9/28/17 0:38	Pb-214	-20	pCi/L	U	UF	EPA 901.1	SMP	45	76
BDD-SWSF-092817-B	9/28/17 0:38	Pu-238	0.143	pCi/L		10F	HASL-300	SMP	0.04	0.028
BDD-SWSF-092817-B	9/28/17 0:38	Pu-238	0.0054	pCi/g	U	Dry Weight	HASL-300	SMP		0.0033
BDD-SWSF-092817-B	9/28/17 0:38	Pu-239/240	0.112	pCi/L	M3	10F	HASL-300	SMP	0.038	0.075
BDD-SWSF-092817-B	9/28/17 0:38	Pu-239/240	0.008	pCi/g	U	Dry Weight	HASL-300	SMP		0.0047
BDD-SWSF-092817-B	9/28/17 0:38	Ra-226	22.6	pCi/L	M3	UF	EPA 903.1	SMP	3	1
BDD-SWSF-092817-B	9/28/17 0:38	Ra-228	16.7	pCi/L	Y1,M3	UF	EPA 904.0	SMP	2.4	4.8

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-092817-B	9/28/17 0:38	Sr-90	-0.1	pCi/L	U,M	UF	ASTM 5811	SMP	0.35	1.17
BDD-SWSF-092817-B	9/28/17 0:38	SSC	11.010	g/L		UF	D3977-97	SMP		
BDD-SWSF-092817-B	9/28/17 0:38	Th-234	390	pCi/L	NQ	UF	EPA 901.1	DUP	140	210
BDD-SWSF-092817-B	9/28/17 0:38	Th-234	60	pCi/L	U	UF	EPA 901.1	SMP	430	710
BDD-SWSF-092817-B	9/28/17 0:38	Tl-208	8	pCi/L	U	UF	EPA 901.1	DUP	20	34
BDD-SWSF-092817-B	9/28/17 0:38	Tl-208	19	pCi/L	NQ	UF	EPA 901.1	SMP	11	17
BDD-SWSF-092817-B	9/28/17 0:38	U-234	16.5	pCi/L	M3	10F	HASL-300	SMP	1.3	0.1
BDD-SWSF-092817-B	9/28/17 0:38	U-234	1.44	pCi/g	M3	Dry Weight	HASL-300	SMP		0.12
BDD-SWSF-092817-B	9/28/17 0:38	U-235	0.82	pCi/L	M3	10F	HASL-300	SMP	0.12	0.12
BDD-SWSF-092817-B	9/28/17 0:38	U-235	0.076	pCi/g		Dry Weight	HASL-300	SMP		0.011
BDD-SWSF-092817-B	9/28/17 0:38	U-238	16.4	pCi/L	M3	10F	HASL-300	SMP	1.3	0.1
BDD-SWSF-092817-B	9/28/17 0:38	U-238	1.59	pCi/g		Dry Weight	HASL-300	SMP		0.13
BDD-SWSF-092817-C	9/28/17 1:12	Ac-228	161	pCi/L	NQ	UF	EPA 901.1	SMP	85	131
BDD-SWSF-092817-C	9/28/17 1:12	Am-241	-0.07	pCi/L	U,M	10F	HASL-300	SMP	0.11	0.46
BDD-SWSF-092817-C	9/28/17 1:12	Am-241	-0.0011	pCi/g	Y2,U,M	Dry Weight	HASL-300	DUP		0.008
BDD-SWSF-092817-C	9/28/17 1:12	Am-241	0.0004	pCi/g	Y2,U,M	Dry Weight	HASL-300	SMP		0.0088
BDD-SWSF-092817-C	9/28/17 1:12	Be-7	-60	pCi/L	U	UF	EPA 901.1	SMP	250	420
BDD-SWSF-092817-C	9/28/17 1:12	Bi-212	120	pCi/L	U	UF	EPA 901.1	SMP	270	440
BDD-SWSF-092817-C	9/28/17 1:12	Bi-214	-30	pCi/L	U	UF	EPA 901.1	SMP	110	180
BDD-SWSF-092817-C	9/28/17 1:12	Co-60	5	pCi/L	U	UF	EPA 901.1	SMP	21	36
BDD-SWSF-092817-C	9/28/17 1:12	Cs-134	21	pCi/L	U	UF	EPA 901.1	SMP	32	53
BDD-SWSF-092817-C	9/28/17 1:12	Cs-137	0	pCi/L	U,M	UF	EPA 901.1	SMP	20	34
BDD-SWSF-092817-C	9/28/17 1:12	Gross alpha	13.9	pCi/L		UF	EPA 900.0	SMP	1.3	1.1
BDD-SWSF-092817-C	9/28/17 1:12	Gross beta	16.3	pCi/L		UF	EPA 900.0	SMP	1.4	1.3
BDD-SWSF-092817-C	9/28/17 1:12	I-131	400	pCi/L	U	UF	EPA 901.1	SMP	740	1220
BDD-SWSF-092817-C	9/28/17 1:12	K-40	120	pCi/L	U	UF	EPA 901.1	SMP	590	980
BDD-SWSF-092817-C	9/28/17 1:12	Na-22	1	pCi/L	U	UF	EPA 901.1	SMP	22	38
BDD-SWSF-092817-C	9/28/17 1:12	Np-237	0.021	pCi/L	U,M	10F	HASL-300	SMP	0.071	0.28
BDD-SWSF-092817-C	9/28/17 1:12	Np-237	0.0138	pCi/g	LT	Dry Weight	HASL-300	DUP		0.0057
BDD-SWSF-092817-C	9/28/17 1:12	Np-237	0.0235	pCi/g	LT	Dry Weight	HASL-300	SMP		0.0077
BDD-SWSF-092817-C	9/28/17 1:12	Pa-234m	1600	pCi/L	U	UF	EPA 901.1	SMP	3400	5700
BDD-SWSF-092817-C	9/28/17 1:12	Pb-212	11	pCi/L	U	UF	EPA 901.1	SMP	70	116
BDD-SWSF-092817-C	9/28/17 1:12	Pb-214	-40	pCi/L	U	UF	EPA 901.1	SMP	100	170
BDD-SWSF-092817-C	9/28/17 1:12	Pu-238	0.194	pCi/L	M3	10F	HASL-300	SMP	0.081	0.088
BDD-SWSF-092817-C	9/28/17 1:12	Pu-238	0.0071	pCi/g	U,M	Dry Weight	HASL-300	DUP		0.0062
BDD-SWSF-092817-C	9/28/17 1:12	Pu-238	0.0032	pCi/g	Y2,U,M	Dry Weight	HASL-300	SMP		0.0078
BDD-SWSF-092817-C	9/28/17 1:12	Pu-239/240	0.29	pCi/L	M3	10F	HASL-300	SMP	0.11	0.24
BDD-SWSF-092817-C	9/28/17 1:12	Pu-239/240	0.0142	pCi/g	LT	Dry Weight	HASL-300	DUP		0.0057
BDD-SWSF-092817-C	9/28/17 1:12	Pu-239/240	0.0127	pCi/g	Y2,U,M	Dry Weight	HASL-300	SMP		0.0078
BDD-SWSF-092817-C	9/28/17 1:12	Ra-226	25	pCi/L	M3	UF	EPA 903.1	SMP	3.8	2.4
BDD-SWSF-092817-C	9/28/17 1:12	Ra-228	25.1	pCi/L	M3	UF	EPA 904.0	SMP	4.4	12.2
BDD-SWSF-092817-C	9/28/17 1:12	Sr-90	-0.36	pCi/L	U,M	UF	ASTM 5811	SMP	0.74	2.49
BDD-SWSF-092817-C	9/28/17 1:12	SSC	27.155	g/L		UF	D3977-97	SMP		
BDD-SWSF-092817-C	9/28/17 1:12	Th-234	660	pCi/L	U	UF	EPA 901.1	SMP	940	1540
BDD-SWSF-092817-C	9/28/17 1:12	Tl-208	43	pCi/L	NQ	UF	EPA 901.1	SMP	23	36
BDD-SWSF-092817-C	9/28/17 1:12	U-234	31.4	pCi/L		10F	HASL-300	SMP	2.5	0.1
BDD-SWSF-092817-C	9/28/17 1:12	U-234	1.46	pCi/g		Dry Weight	HASL-300	DUP		0.12
BDD-SWSF-092817-C	9/28/17 1:12	U-234	1.54	pCi/g		Dry Weight	HASL-300	SMP		0.12
BDD-SWSF-092817-C	9/28/17 1:12	U-235	1.12	pCi/L		10F	HASL-300	SMP	0.19	0.07
BDD-SWSF-092817-C	9/28/17 1:12	U-235	0.102	pCi/g		Dry Weight	HASL-300	DUP		0.013
BDD-SWSF-092817-C	9/28/17 1:12	U-235	0.0581	pCi/g		Dry Weight	HASL-300	SMP		0.009
BDD-SWSF-092817-C	9/28/17 1:12	U-238	31.6	pCi/L	M3	10F	HASL-300	SMP	2.6	0.2
BDD-SWSF-092817-C	9/28/17 1:12	U-238	1.64	pCi/g		Dry Weight	HASL-300	DUP		0.13
BDD-SWSF-092817-C	9/28/17 1:12	U-238	1.69	pCi/g		Dry Weight	HASL-300	SMP		0.13
BDD-SWSF-092817-D	9/28/17 1:54	Ac-228	120	pCi/L	U	UF	EPA 901.1	SMP	100	170

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-092817-D	9/28/17 1:54	Am-241	-0.01	pCi/L	U,M	10F	HASL-300	SMP	0.11	0.42
BDD-SWSF-092817-D	9/28/17 1:54	Am-241	-0.005	pCi/g	U,M	Dry Weight	HASL-300	SMP		0.0059
BDD-SWSF-092817-D	9/28/17 1:54	Be-7	-40	pCi/L	U	UF	EPA 901.1	SMP	280	470
BDD-SWSF-092817-D	9/28/17 1:54	Bi-212	200	pCi/L	U	UF	EPA 901.1	SMP	340	570
BDD-SWSF-092817-D	9/28/17 1:54	Bi-214	92	pCi/L	NQ	UF	EPA 901.1	SMP	54	84
BDD-SWSF-092817-D	9/28/17 1:54	Co-60	21	pCi/L	U	UF	EPA 901.1	SMP	32	52
BDD-SWSF-092817-D	9/28/17 1:54	Cs-134	-34	pCi/L	U	UF	EPA 901.1	SMP	26	45
BDD-SWSF-092817-D	9/28/17 1:54	Cs-137	-3	pCi/L	U,M	UF	EPA 901.1	SMP	25	43
BDD-SWSF-092817-D	9/28/17 1:54	Gross alpha	16.1	pCi/L		UF	EPA 900.0	DUP	1.5	1.3
BDD-SWSF-092817-D	9/28/17 1:54	Gross alpha	15.4	pCi/L		UF	EPA 900.0	SMP	1.4	1.3
BDD-SWSF-092817-D	9/28/17 1:54	Gross beta	17.9	pCi/L		UF	EPA 900.0	DUP	1.5	1.2
BDD-SWSF-092817-D	9/28/17 1:54	Gross beta	16.8	pCi/L		UF	EPA 900.0	SMP	1.4	1.2
BDD-SWSF-092817-D	9/28/17 1:54	I-131	-290	pCi/L	U	UF	EPA 901.1	SMP	820	1410
BDD-SWSF-092817-D	9/28/17 1:54	K-40	120	pCi/L	U	UF	EPA 901.1	SMP	810	1350
BDD-SWSF-092817-D	9/28/17 1:54	Na-22	5	pCi/L	U	UF	EPA 901.1	SMP	32	54
BDD-SWSF-092817-D	9/28/17 1:54	Np-237	0.036	pCi/L	U,M	10F	HASL-300	SMP	0.057	0.216
BDD-SWSF-092817-D	9/28/17 1:54	Np-237	0.0012	pCi/g	U	Dry Weight	HASL-300	SMP		0.0032
BDD-SWSF-092817-D	9/28/17 1:54	Pa-234m	2800	pCi/L	U	UF	EPA 901.1	SMP	4200	7000
BDD-SWSF-092817-D	9/28/17 1:54	Pb-212	20	pCi/L	U	UF	EPA 901.1	SMP	64	106
BDD-SWSF-092817-D	9/28/17 1:54	Pb-214	-52	pCi/L	U	UF	EPA 901.1	SMP	87	146
BDD-SWSF-092817-D	9/28/17 1:54	Pu-238	0.201	pCi/L	M3	10F	HASL-300	SMP	0.071	0.148
BDD-SWSF-092817-D	9/28/17 1:54	Pu-238	0.0084	pCi/g	U	Dry Weight	HASL-300	SMP		0.0037
BDD-SWSF-092817-D	9/28/17 1:54	Pu-239/240	0.261	pCi/L	M3	10F	HASL-300	SMP	0.085	0.187
BDD-SWSF-092817-D	9/28/17 1:54	Pu-239/240	0.0137	pCi/g	LT	Dry Weight	HASL-300	SMP		0.0039
BDD-SWSF-092817-D	9/28/17 1:54	Ra-226	593	pCi/L	M3	UF	EPA 903.1	SMP	73	2
BDD-SWSF-092817-D	9/28/17 1:54	Ra-228	28.9	pCi/L	M3	UF	EPA 904.0	SMP	4.5	10.3
BDD-SWSF-092817-D	9/28/17 1:54	Sr-90	1.5	pCi/L	Y2,U,M	UF	ASTM 5811	SMP	1.4	4.6
BDD-SWSF-092817-D	9/28/17 1:54	SSC	23.431	g/L		UF	D3977-97	SMP		
BDD-SWSF-092817-D	9/28/17 1:54	Th-234	180	pCi/L	U	UF	EPA 901.1	SMP	670	1110
BDD-SWSF-092817-D	9/28/17 1:54	Tl-208	49	pCi/L	NQ	UF	EPA 901.1	SMP	26	39
BDD-SWSF-092817-D	9/28/17 1:54	U-234	35.1	pCi/L	M3	10F	HASL-300	SMP	2.8	0.2
BDD-SWSF-092817-D	9/28/17 1:54	U-234	1.88	pCi/g		Dry Weight	HASL-300	SMP		0.15
BDD-SWSF-092817-D	9/28/17 1:54	U-235	1.57	pCi/L	M3	10F	HASL-300	SMP	0.22	0.15
BDD-SWSF-092817-D	9/28/17 1:54	U-235	0.108	pCi/g		Dry Weight	HASL-300	SMP		0.013
BDD-SWSF-092817-D	9/28/17 1:54	U-238	36.8	pCi/L	M3	10F	HASL-300	SMP	2.9	0.1
BDD-SWSF-092817-D	9/28/17 1:54	U-238	2.02	pCi/g		Dry Weight	HASL-300	SMP		0.16
BDD-SWSF-092817-E	9/28/17 2:42	Ac-228	44	pCi/L	U	UF	EPA 901.1	SMP	55	90
BDD-SWSF-092817-E	9/28/17 2:42	Am-241	-0.077	pCi/L	U,M	10F	HASL-300	SMP	0.052	0.232
BDD-SWSF-092817-E	9/28/17 2:42	Am-241	-0.0105	pCi/g	Y2,U,M	Dry Weight	HASL-300	SMP		0.0059
BDD-SWSF-092817-E	9/28/17 2:42	Be-7	30	pCi/L	U	UF	EPA 901.1	SMP	160	270
BDD-SWSF-092817-E	9/28/17 2:42	Bi-212	90	pCi/L	U	UF	EPA 901.1	SMP	190	320
BDD-SWSF-092817-E	9/28/17 2:42	Bi-214	66	pCi/L	NQ	UF	EPA 901.1	SMP	28	43
BDD-SWSF-092817-E	9/28/17 2:42	Co-60	3	pCi/L	U	UF	EPA 901.1	SMP	17	29
BDD-SWSF-092817-E	9/28/17 2:42	Cs-134	-29	pCi/L	U	UF	EPA 901.1	SMP	14	25
BDD-SWSF-092817-E	9/28/17 2:42	Cs-137	0	pCi/L	U,M	UF	EPA 901.1	SMP	12	21
BDD-SWSF-092817-E	9/28/17 2:42	Gross alpha	10.13	pCi/L		UF	EPA 900.0	SMP	0.9	0.6
BDD-SWSF-092817-E	9/28/17 2:42	Gross beta	10.93	pCi/L		UF	EPA 900.0	SMP	0.97	1.15
BDD-SWSF-092817-E	9/28/17 2:42	I-131	-80	pCi/L	U	UF	EPA 901.1	SMP	470	800
BDD-SWSF-092817-E	9/28/17 2:42	K-40	200	pCi/L	U	UF	EPA 901.1	SMP	510	850
BDD-SWSF-092817-E	9/28/17 2:42	Na-22	5	pCi/L	U	UF	EPA 901.1	SMP	18	30
BDD-SWSF-092817-E	9/28/17 2:42	Np-237	0.066	pCi/L	U	10F	HASL-300	SMP	0.041	0.122
BDD-SWSF-092817-E	9/28/17 2:42	Np-237	0.0022	pCi/g	U	Dry Weight	HASL-300	SMP		0.0047
BDD-SWSF-092817-E	9/28/17 2:42	Pa-234m	100	pCi/L	U	UF	EPA 901.1	SMP	2400	4100
BDD-SWSF-092817-E	9/28/17 2:42	Pb-212	1	pCi/L	U	UF	EPA 901.1	SMP	50	82
BDD-SWSF-092817-E	9/28/17 2:42	Pb-214	45	pCi/L	NQ	UF	EPA 901.1	SMP	25	39

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-092817-E	9/28/17 2:42	Pu-238	0.055	pCi/L	U,M	10F	HASL-300	SMP	0.034	0.101
BDD-SWSF-092817-E	9/28/17 2:42	Pu-238	0.0079	pCi/g	LT	Dry Weight	HASL-300	SMP		0.0031
BDD-SWSF-092817-E	9/28/17 2:42	Pu-239/240	0.109	pCi/L	M3	10F	HASL-300	SMP	0.044	0.101
BDD-SWSF-092817-E	9/28/17 2:42	Pu-239/240	0.0079	pCi/g	U	Dry Weight	HASL-300	SMP		0.0034
BDD-SWSF-092817-E	9/28/17 2:42	Ra-226	35	pCi/L	M3	UF	EPA 903.1	SMP	4.7	1.7
BDD-SWSF-092817-E	9/28/17 2:42	Ra-228	25.8	pCi/L	M3	UF	EPA 904.0	SMP	3.7	6.8
BDD-SWSF-092817-E	9/28/17 2:42	Sr-90	0.53	pCi/L	U,M	UF	ASTM 5811	SMP	0.56	1.85
BDD-SWSF-092817-E	9/28/17 2:42	SSC	14.127	g/L		UF	D3977-97	SMP		
BDD-SWSF-092817-E	9/28/17 2:42	Th-234	80	pCi/L	U	UF	EPA 901.1	SMP	420	720
BDD-SWSF-092817-E	9/28/17 2:42	Tl-208	26	pCi/L	NQ	UF	EPA 901.1	SMP	14	21
BDD-SWSF-092817-E	9/28/17 2:42	U-234	25	pCi/L	M3	10F	HASL-300	SMP	2	0.1
BDD-SWSF-092817-E	9/28/17 2:42	U-234	1.51	pCi/g	M3	Dry Weight	HASL-300	SMP		0.12
BDD-SWSF-092817-E	9/28/17 2:42	U-235	1.2	pCi/L		10F	HASL-300	SMP	0.16	0.04
BDD-SWSF-092817-E	9/28/17 2:42	U-235	0.055	pCi/g		Dry Weight	HASL-300	SMP		0.0089
BDD-SWSF-092817-E	9/28/17 2:42	U-238	25.6	pCi/L		10F	HASL-300	SMP	2	0.1
BDD-SWSF-092817-E	9/28/17 2:42	U-238	1.55	pCi/g	M3	Dry Weight	HASL-300	SMP		0.13
BDD-SWSF-092817-F	9/28/17 3:24	Ac-228	73	pCi/L	NQ	UF	EPA 901.1	SMP	37	56
BDD-SWSF-092817-F	9/28/17 3:24	Am-241	0.02	pCi/L	U,M	10F	HASL-300	SMP	0.044	0.16
BDD-SWSF-092817-F	9/28/17 3:24	Am-241	-0.0032	pCi/g	Y2,U,M	Dry Weight	HASL-300	SMP		0.0071
BDD-SWSF-092817-F	9/28/17 3:24	Be-7	-90	pCi/L	U	UF	EPA 901.1	SMP	110	180
BDD-SWSF-092817-F	9/28/17 3:24	Bi-212	30	pCi/L	U	UF	EPA 901.1	SMP	130	220
BDD-SWSF-092817-F	9/28/17 3:24	Bi-214	-31	pCi/L	U	UF	EPA 901.1	SMP	46	76
BDD-SWSF-092817-F	9/28/17 3:24	Co-60	-12	pCi/L	U	UF	EPA 901.1	SMP	11	19
BDD-SWSF-092817-F	9/28/17 3:24	Cs-134	-12.1	pCi/L	U	UF	EPA 901.1	SMP	9.4	16.3
BDD-SWSF-092817-F	9/28/17 3:24	Cs-137	-4.2	pCi/L	U,M	UF	EPA 901.1	SMP	9	15.5
BDD-SWSF-092817-F	9/28/17 3:24	Gross alpha	6.21	pCi/L		UF	EPA 900.0	SMP	0.62	0.76
BDD-SWSF-092817-F	9/28/17 3:24	Gross beta	7.09	pCi/L		UF	EPA 900.0	SMP	0.7	1.23
BDD-SWSF-092817-F	9/28/17 3:24	I-131	220	pCi/L	U	UF	EPA 901.1	SMP	310	510
BDD-SWSF-092817-F	9/28/17 3:24	K-40	260	pCi/L	U	UF	EPA 901.1	SMP	260	420
BDD-SWSF-092817-F	9/28/17 3:24	Na-22	3	pCi/L	U	UF	EPA 901.1	SMP	11	19
BDD-SWSF-092817-F	9/28/17 3:24	Np-237	0	pCi/L	U	10F	HASL-300	SMP	0.031	0.125
BDD-SWSF-092817-F	9/28/17 3:24	Np-237	0.0134	pCi/g	LT	Dry Weight	HASL-300	SMP		0.0047
BDD-SWSF-092817-F	9/28/17 3:24	Pa-234m	1400	pCi/L	U	UF	EPA 901.1	SMP	1600	2500
BDD-SWSF-092817-F	9/28/17 3:24	Pb-212	-3	pCi/L	U	UF	EPA 901.1	SMP	26	43
BDD-SWSF-092817-F	9/28/17 3:24	Pb-214	-46	pCi/L	U	UF	EPA 901.1	SMP	34	57
BDD-SWSF-092817-F	9/28/17 3:24	Pu-238	0.027	pCi/L	U,M	10F	HASL-300	SMP	0.027	0.097
BDD-SWSF-092817-F	9/28/17 3:24	Pu-238	0.0072	pCi/g	U	Dry Weight	HASL-300	SMP		0.0035
BDD-SWSF-092817-F	9/28/17 3:24	Pu-239/240	0.126	pCi/L		10F	HASL-300	SMP	0.035	0.024
BDD-SWSF-092817-F	9/28/17 3:24	Pu-239/240	0.0092	pCi/g	LT	Dry Weight	HASL-300	SMP		0.0035
BDD-SWSF-092817-F	9/28/17 3:24	Ra-226	16.1	pCi/L		UF	EPA 903.1	SMP	2.2	0.8
BDD-SWSF-092817-F	9/28/17 3:24	Ra-228	10.9	pCi/L	Y1,M3	UF	EPA 904.0	SMP	1.8	4.8
BDD-SWSF-092817-F	9/28/17 3:24	Sr-90	0.26	pCi/L	U,M	UF	ASTM 5811	SMP	0.33	1.09
BDD-SWSF-092817-F	9/28/17 3:24	SSC	8.263	g/L		UF	D3977-97	SMP		
BDD-SWSF-092817-F	9/28/17 3:24	Th-234	50	pCi/L	U	UF	EPA 901.1	SMP	240	440
BDD-SWSF-092817-F	9/28/17 3:24	Tl-208	10	pCi/L	U	UF	EPA 901.1	SMP	19	31
BDD-SWSF-092817-F	9/28/17 3:24	U-234	15.7	pCi/L		10F	HASL-300	SMP	1.3	0
BDD-SWSF-092817-F	9/28/17 3:24	U-234	1.95	pCi/g	M3	Dry Weight	HASL-300	SMP		0.16
BDD-SWSF-092817-F	9/28/17 3:24	U-235	0.91	pCi/L		10F	HASL-300	SMP	0.12	0.09
BDD-SWSF-092817-F	9/28/17 3:24	U-235	0.103	pCi/g		Dry Weight	HASL-300	SMP		0.013
BDD-SWSF-092817-F	9/28/17 3:24	U-238	16.4	pCi/L	M3	10F	HASL-300	SMP	1.3	0.1
BDD-SWSF-092817-F	9/28/17 3:24	U-238	2.09	pCi/g		Dry Weight	HASL-300	SMP		0.17
BDD-SWSF-092817-G	9/28/17 4:12	Ac-228	-15	pCi/L	U	UF	EPA 901.1	SMP	84	140
BDD-SWSF-092817-G	9/28/17 4:12	Am-241	-0.023	pCi/L	U,M	10F	HASL-300	SMP	0.026	0.11
BDD-SWSF-092817-G	9/28/17 4:12	Am-241	-0.0067	pCi/g	Y2,U,M	Dry Weight	HASL-300	SMP		0.0088
BDD-SWSF-092817-G	9/28/17 4:12	Be-7	33	pCi/L	U	UF	EPA 901.1	SMP	90	151

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-092817-G	9/28/17 4:12	Bi-212	90	pCi/L	U	UF	EPA 901.1	SMP	110	180
BDD-SWSF-092817-G	9/28/17 4:12	Bi-214	-5	pCi/L	U	UF	EPA 901.1	SMP	34	56
BDD-SWSF-092817-G	9/28/17 4:12	Co-60	-10	pCi/L	U	UF	EPA 901.1	SMP	11	19
BDD-SWSF-092817-G	9/28/17 4:12	Cs-134	4	pCi/L	U	UF	EPA 901.1	SMP	11	19
BDD-SWSF-092817-G	9/28/17 4:12	Cs-137	-2.3	pCi/L	U,M	UF	EPA 901.1	SMP	8.3	14.3
BDD-SWSF-092817-G	9/28/17 4:12	Gross alpha	3.62	pCi/L		UF	EPA 900.0	SMP	0.39	0.56
BDD-SWSF-092817-G	9/28/17 4:12	Gross beta	3.89	pCi/L	LT	UF	EPA 900.0	SMP	0.5	1.2
BDD-SWSF-092817-G	9/28/17 4:12	I-131	20	pCi/L	U	UF	EPA 901.1	SMP	300	500
BDD-SWSF-092817-G	9/28/17 4:12	K-40	180	pCi/L	U	UF	EPA 901.1	SMP	250	400
BDD-SWSF-092817-G	9/28/17 4:12	Na-22	-11	pCi/L	U	UF	EPA 901.1	SMP	10	18
BDD-SWSF-092817-G	9/28/17 4:12	Np-237	0.012	pCi/L	U	10F	HASL-300	SMP	0.021	0.078
BDD-SWSF-092817-G	9/28/17 4:12	Np-237	0.0091	pCi/g	U	Dry Weight	HASL-300	SMP		0.005
BDD-SWSF-092817-G	9/28/17 4:12	Pa-234m	2200	pCi/L	U	UF	EPA 901.1	SMP	1400	2200
BDD-SWSF-092817-G	9/28/17 4:12	Pb-212	-7	pCi/L	U	UF	EPA 901.1	SMP	20	33
BDD-SWSF-092817-G	9/28/17 4:12	Pb-214	-5	pCi/L	U	UF	EPA 901.1	SMP	29	48
BDD-SWSF-092817-G	9/28/17 4:12	Pu-238	0.038	pCi/L	U,M	10F	HASL-300	SMP	0.023	0.07
BDD-SWSF-092817-G	9/28/17 4:12	Pu-238	0.0114	pCi/g	LT	Dry Weight	HASL-300	SMP		0.0043
BDD-SWSF-092817-G	9/28/17 4:12	Pu-239/240	0.113	pCi/L		10F	HASL-300	SMP	0.03	0.02
BDD-SWSF-092817-G	9/28/17 4:12	Pu-239/240	0.0227	pCi/g		Dry Weight	HASL-300	SMP		0.0056
BDD-SWSF-092817-G	9/28/17 4:12	Ra-226	11.2	pCi/L		UF	EPA 903.1	SMP	1.5	0.6
BDD-SWSF-092817-G	9/28/17 4:12	Ra-228	11.3	pCi/L	M3	UF	EPA 904.0	SMP	1.6	3.1
BDD-SWSF-092817-G	9/28/17 4:12	Sr-90	-0.18	pCi/L	U	UF	ASTM 5811	SMP	0.27	0.91
BDD-SWSF-092817-G	9/28/17 4:12	SSC	6.381	g/L		UF	D3977-97	SMP		
BDD-SWSF-092817-G	9/28/17 4:12	Th-234	40	pCi/L	U	UF	EPA 901.1	SMP	220	370
BDD-SWSF-092817-G	9/28/17 4:12	Tl-208	8.3	pCi/L	U	UF	EPA 901.1	SMP	8.3	13.6
BDD-SWSF-092817-G	9/28/17 4:12	U-234	14.1	pCi/L		10F	HASL-300	SMP	1.1	0.1
BDD-SWSF-092817-G	9/28/17 4:12	U-234	2.17	pCi/g	M3	Dry Weight	HASL-300	SMP		0.17
BDD-SWSF-092817-G	9/28/17 4:12	U-235	0.634	pCi/L		10F	HASL-300	SMP	0.085	0.068
BDD-SWSF-092817-G	9/28/17 4:12	U-235	0.108	pCi/g		Dry Weight	HASL-300	SMP		0.014
BDD-SWSF-092817-G	9/28/17 4:12	U-238	13.9	pCi/L		10F	HASL-300	SMP	1.1	0.1
BDD-SWSF-092817-G	9/28/17 4:12	U-238	2.2	pCi/g		Dry Weight	HASL-300	SMP		0.17
BDD-SWSF-092817-H	9/28/17 4:51	Ac-228	48	pCi/L	NQ	UF	EPA 901.1	SMP	25	46
BDD-SWSF-092817-H	9/28/17 4:51	Am-241	-0.025	pCi/L	U,M	10F	HASL-300	SMP	0.03	0.128
BDD-SWSF-092817-H	9/28/17 4:51	Am-241	-0.0081	pCi/g	Y2,U,M	Dry Weight	HASL-300	SMP		0.0074
BDD-SWSF-092817-H	9/28/17 4:51	Be-7	65	pCi/L	U	UF	EPA 901.1	SMP	88	144
BDD-SWSF-092817-H	9/28/17 4:51	Bi-212	60	pCi/L	U	UF	EPA 901.1	SMP	100	170
BDD-SWSF-092817-H	9/28/17 4:51	Bi-214	10	pCi/L	U	UF	EPA 901.1	SMP	39	64
BDD-SWSF-092817-H	9/28/17 4:51	Co-60	3.9	pCi/L	U	UF	EPA 901.1	SMP	7.5	12.5
BDD-SWSF-092817-H	9/28/17 4:51	Cs-134	4.3	pCi/L	U	UF	EPA 901.1	SMP	9.4	16.2
BDD-SWSF-092817-H	9/28/17 4:51	Cs-137	-4.2	pCi/L	U,M	UF	EPA 901.1	SMP	7.3	12.7
BDD-SWSF-092817-H	9/28/17 4:51	Gross alpha	5	pCi/L		UF	EPA 900.0	SMP	0.5	0.65
BDD-SWSF-092817-H	9/28/17 4:51	Gross beta	5.97	pCi/L		UF	EPA 900.0	SMP	0.62	1.2
BDD-SWSF-092817-H	9/28/17 4:51	I-131	60	pCi/L	U	UF	EPA 901.1	SMP	330	550
BDD-SWSF-092817-H	9/28/17 4:51	K-40	-190	pCi/L	U	UF	EPA 901.1	SMP	250	420
BDD-SWSF-092817-H	9/28/17 4:51	Na-22	5.9	pCi/L	U	UF	EPA 901.1	SMP	7.7	12.6
BDD-SWSF-092817-H	9/28/17 4:51	Np-237	0.06	pCi/L	U	10F	HASL-300	SMP	0.027	0.062
BDD-SWSF-092817-H	9/28/17 4:51	Np-237	0.0084	pCi/g	U	Dry Weight	HASL-300	SMP		0.0043
BDD-SWSF-092817-H	9/28/17 4:51	Pa-234m	-300	pCi/L	U	UF	EPA 901.1	SMP	1200	2100
BDD-SWSF-092817-H	9/28/17 4:51	Pb-212	13	pCi/L	U	UF	EPA 901.1	SMP	11	18
BDD-SWSF-092817-H	9/28/17 4:51	Pb-214	23	pCi/L	NQ	UF	EPA 901.1	SMP	14	22
BDD-SWSF-092817-H	9/28/17 4:51	Pu-238	0.091	pCi/L	M3	10F	HASL-300	SMP	0.031	0.061
BDD-SWSF-092817-H	9/28/17 4:51	Pu-238	0.0067	pCi/g	U	Dry Weight	HASL-300	SMP		0.0032
BDD-SWSF-092817-H	9/28/17 4:51	Pu-239/240	0.066	pCi/L	M3	10F	HASL-300	SMP	0.027	0.061
BDD-SWSF-092817-H	9/28/17 4:51	Pu-239/240	0.0145	pCi/g	LT	Dry Weight	HASL-300	SMP		0.0047
BDD-SWSF-092817-H	9/28/17 4:51	Ra-226	11.5	pCi/L		UF	EPA 903.1	SMP	1.6	0.6

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-092817-H	9/28/17 4:51	Ra-228	12.5	pCi/L	M3	UF	EPA 904.0	SMP	1.8	3
BDD-SWSF-092817-H	9/28/17 4:51	Sr-90	-0.07	pCi/L	U,M	UF	ASTM 5811	SMP	0.31	1.02
BDD-SWSF-092817-H	9/28/17 4:51	SSC	6.781	g/L		UF	D3977-97	SMP		
BDD-SWSF-092817-H	9/28/17 4:51	Th-234	174	pCi/L	NQ	UF	EPA 901.1	SMP	97	152
BDD-SWSF-092817-H	9/28/17 4:51	Tl-208	10	pCi/L	U	UF	EPA 901.1	SMP	7.3	11.6
BDD-SWSF-092817-H	9/28/17 4:51	U-234	15.9	pCi/L		10F	HASL-300	SMP	1.3	0.1
BDD-SWSF-092817-H	9/28/17 4:51	U-234	2.35	pCi/g		Dry Weight	HASL-300	SMP		0.19
BDD-SWSF-092817-H	9/28/17 4:51	U-235	0.97	pCi/L		10F	HASL-300	SMP	0.12	0.06
BDD-SWSF-092817-H	9/28/17 4:51	U-235	0.114	pCi/g		Dry Weight	HASL-300	SMP		0.014
BDD-SWSF-092817-H	9/28/17 4:51	U-238	16.3	pCi/L		10F	HASL-300	SMP	1.3	0.1
BDD-SWSF-092817-H	9/28/17 4:51	U-238	2.42	pCi/g	M3	Dry Weight	HASL-300	SMP		0.19
BDD-SWSF-092817-I	9/28/17 5:36	Ac-228	33	pCi/L	U	UF	EPA 901.1	SMP	22	35
BDD-SWSF-092817-I	9/28/17 5:36	Am-241	-0.03	pCi/L	U,M	10F	HASL-300	SMP	0.026	0.11
BDD-SWSF-092817-I	9/28/17 5:36	Am-241	-0.0073	pCi/g	Y2,U,M	Dry Weight	HASL-300	SMP		0.0078
BDD-SWSF-092817-I	9/28/17 5:36	Be-7	1	pCi/L	U	UF	EPA 901.1	SMP	69	117
BDD-SWSF-092817-I	9/28/17 5:36	Bi-212	108	pCi/L	U	UF	EPA 901.1	SMP	84	135
BDD-SWSF-092817-I	9/28/17 5:36	Bi-214	-17	pCi/L	U	UF	EPA 901.1	SMP	28	47
BDD-SWSF-092817-I	9/28/17 5:36	Co-60	0.1	pCi/L	U	UF	EPA 901.1	SMP	7.1	12.2
BDD-SWSF-092817-I	9/28/17 5:36	Cs-134	-6.5	pCi/L	U	UF	EPA 901.1	SMP	5.9	10.1
BDD-SWSF-092817-I	9/28/17 5:36	Cs-137	2.5	pCi/L	U	UF	EPA 901.1	SMP	5.7	9.4
BDD-SWSF-092817-I	9/28/17 5:36	Gross alpha	4.1	pCi/L		UF	EPA 900.0	SMP	0.44	0.66
BDD-SWSF-092817-I	9/28/17 5:36	Gross beta	4.74	pCi/L		UF	EPA 900.0	SMP	0.54	1.14
BDD-SWSF-092817-I	9/28/17 5:36	I-131	80	pCi/L	U	UF	EPA 901.1	SMP	220	360
BDD-SWSF-092817-I	9/28/17 5:36	K-40	40	pCi/L	U	UF	EPA 901.1	SMP	160	260
BDD-SWSF-092817-I	9/28/17 5:36	Na-22	-2.2	pCi/L	U	UF	EPA 901.1	SMP	6.9	12
BDD-SWSF-092817-I	9/28/17 5:36	Np-237	0.033	pCi/L	U	10F	HASL-300	SMP	0.019	0.051
BDD-SWSF-092817-I	9/28/17 5:36	Np-237	0.0091	pCi/g	U	Dry Weight	HASL-300	SMP		0.0041
BDD-SWSF-092817-I	9/28/17 5:36	Pa-234m	0	pCi/L	U	UF	EPA 901.1	SMP	1000	1700
BDD-SWSF-092817-I	9/28/17 5:36	Pb-212	-2	pCi/L	U	UF	EPA 901.1	SMP	16	27
BDD-SWSF-092817-I	9/28/17 5:36	Pb-214	-16	pCi/L	U	UF	EPA 901.1	SMP	22	36
BDD-SWSF-092817-I	9/28/17 5:36	Pu-238	0.025	pCi/L	U,M	10F	HASL-300	SMP	0.023	0.081
BDD-SWSF-092817-I	9/28/17 5:36	Pu-238	0.0036	pCi/g	U	Dry Weight	HASL-300	SMP		0.0046
BDD-SWSF-092817-I	9/28/17 5:36	Pu-239/240	0.043	pCi/L	U	10F	HASL-300	SMP	0.019	0.045
BDD-SWSF-092817-I	9/28/17 5:36	Pu-239/240	0.0095	pCi/g	U	Dry Weight	HASL-300	SMP		0.0042
BDD-SWSF-092817-I	9/28/17 5:36	Ra-226	6.34	pCi/L		UF	EPA 903.1	SMP	0.95	0.61
BDD-SWSF-092817-I	9/28/17 5:36	Ra-228	5.59	pCi/L	M3	UF	EPA 904.0	SMP	0.98	2.57
BDD-SWSF-092817-I	9/28/17 5:36	Sr-90	0.02	pCi/L	U,M	UF	ASTM 5811	SMP	0.34	1.13
BDD-SWSF-092817-I	9/28/17 5:36	Th-234	-20	pCi/L	U	UF	EPA 901.1	SMP	160	280
BDD-SWSF-092817-I	9/28/17 5:36	Tl-208	10.5	pCi/L	NQ	UF	EPA 901.1	SMP	6.1	9.4
BDD-SWSF-092817-I	9/28/17 5:36	U-234	13.6	pCi/L		10F	HASL-300	SMP	1.1	0
BDD-SWSF-092817-I	9/28/17 5:36	U-234	2	pCi/g		Dry Weight	HASL-300	SMP		0.16
BDD-SWSF-092817-I	9/28/17 5:36	U-235	0.602	pCi/L		10F	HASL-300	SMP	0.076	0.044
BDD-SWSF-092817-I	9/28/17 5:36	U-235	0.107	pCi/g		Dry Weight	HASL-300	SMP		0.013
BDD-SWSF-092817-I	9/28/17 5:36	U-238	13.7	pCi/L		10F	HASL-300	SMP	1.1	0
BDD-SWSF-092817-I	9/28/17 5:36	U-238	2.15	pCi/g		Dry Weight	HASL-300	SMP		0.17
BDD-SWSF-092817-I	9/28/17 5:42	SSC	5.001	g/L		UF	D3977-97	SMP		
BDD-SWSF-092817-J	9/28/17 7:12	Am-241	-0.011	pCi/L	U,M	UF	HASL-300	SMP	0.015	0.06
BDD-SWSF-092817-J	9/28/17 7:12	Pu-238	0	pCi/L	U	UF	HASL-300	SMP	0.0074	0.028
BDD-SWSF-092817-J	9/28/17 7:12	Pu-239/240	0.027	pCi/L	U	UF	HASL-300	SMP	0.013	0.036
BDD-SWSF-092817-J	9/28/17 7:12	SSC	2.460	g/L		UF	D3977-97	SMP		
BDD-SWSF-092817-J	9/28/17 7:12	U-234	6.3	pCi/L		UF	HASL-300	SMP	0.5	0.05
BDD-SWSF-092817-J	9/28/17 7:12	U-235	0.3	pCi/L		UF	HASL-300	SMP	0.04	0.039
BDD-SWSF-092817-J	9/28/17 7:12	U-238	5.97	pCi/L		UF	HASL-300	SMP	0.48	0.03
BDD-SWSF-092917-A	9/29/17 1:08	Ac-228	46	pCi/L	NQ	UF	EPA 901.1	SMP	24	37
BDD-SWSF-092917-A	9/29/17 1:08	Am-241	-0.035	pCi/L	U,M	10F	HASL-300	SMP	0.03	0.129

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-092917-A	9/29/17 1:08	Am-241	0.0103	pCi/g	Y2,U,M	Dry Weight	HASL-300	SMP		0.0096
BDD-SWSF-092917-A	9/29/17 1:08	Be-7	46	pCi/L	U	UF	EPA 901.1	SMP	63	103
BDD-SWSF-092917-A	9/29/17 1:08	Bi-212	30	pCi/L	U	UF	EPA 901.1	SMP	140	240
BDD-SWSF-092917-A	9/29/17 1:08	Bi-214	-10	pCi/L	U	UF	EPA 901.1	SMP	28	47
BDD-SWSF-092917-A	9/29/17 1:08	Co-60	0.4	pCi/L	U	UF	EPA 901.1	SMP	6.7	11.4
BDD-SWSF-092917-A	9/29/17 1:08	Cs-134	-1.6	pCi/L	U	UF	EPA 901.1	SMP	5.7	9.7
BDD-SWSF-092917-A	9/29/17 1:08	Cs-137	-2.7	pCi/L	U	UF	EPA 901.1	SMP	5.5	9.6
BDD-SWSF-092917-A	9/29/17 1:08	Gross alpha	3.13	pCi/L		UF	EPA 900.0	SMP	0.35	0.54
BDD-SWSF-092917-A	9/29/17 1:08	Gross beta	2.97	pCi/L	LT	UF	EPA 900.0	SMP	0.43	1.13
BDD-SWSF-092917-A	9/29/17 1:08	I-131	300	pCi/L	U	UF	EPA 901.1	SMP	220	350
BDD-SWSF-092917-A	9/29/17 1:08	K-40	100	pCi/L	U	UF	EPA 901.1	SMP	160	270
BDD-SWSF-092917-A	9/29/17 1:08	Na-22	3.3	pCi/L	U	UF	EPA 901.1	SMP	6.5	10.8
BDD-SWSF-092917-A	9/29/17 1:08	Np-237	0.021	pCi/L	LT	10F	HASL-300	SMP	0.017	0.019
BDD-SWSF-092917-A	9/29/17 1:08	Np-237	0.0056	pCi/g	U	Dry Weight	HASL-300	SMP		0.0032
BDD-SWSF-092917-A	9/29/17 1:08	Pa-234m	430	pCi/L	U	UF	EPA 901.1	SMP	970	1620
BDD-SWSF-092917-A	9/29/17 1:08	Pb-212	5	pCi/L	U	UF	EPA 901.1	SMP	14	24
BDD-SWSF-092917-A	9/29/17 1:08	Pb-214	-22	pCi/L	U	UF	EPA 901.1	SMP	24	40
BDD-SWSF-092917-A	9/29/17 1:08	Pu-238	0	pCi/L	U,M	10F	HASL-300	SMP	0.019	0.072
BDD-SWSF-092917-A	9/29/17 1:08	Pu-238	0.0107	pCi/g	LT	Dry Weight	HASL-300	SMP		0.0036
BDD-SWSF-092917-A	9/29/17 1:08	Pu-239/240	0.07	pCi/L	U,M	10F	HASL-300	SMP	0.029	0.072
BDD-SWSF-092917-A	9/29/17 1:08	Pu-239/240	0.0234	pCi/g		Dry Weight	HASL-300	SMP		0.0053
BDD-SWSF-092917-A	9/29/17 1:08	Ra-226	8	pCi/L		UF	EPA 903.1	SMP	1.2	0.8
BDD-SWSF-092917-A	9/29/17 1:08	Ra-228	11.3	pCi/L	M3	UF	EPA 904.0	SMP	1.7	3.2
BDD-SWSF-092917-A	9/29/17 1:08	Sr-90	0.1	pCi/L	U	UF	ASTM 5811	SMP	0.28	0.92
BDD-SWSF-092917-A	9/29/17 1:08	SSC	7.747	g/L		UF	D3977-97	SMP		
BDD-SWSF-092917-A	9/29/17 1:08	Th-234	10	pCi/L	U	UF	EPA 901.1	SMP	100	170
BDD-SWSF-092917-A	9/29/17 1:08	Tl-208	1	pCi/L	U	UF	EPA 901.1	SMP	13	22
BDD-SWSF-092917-A	9/29/17 1:08	U-234	7.31	pCi/L		10F	HASL-300	SMP	0.6	0.08
BDD-SWSF-092917-A	9/29/17 1:08	U-234	1.128	pCi/g	M3	Dry Weight	HASL-300	SMP		0.092
BDD-SWSF-092917-A	9/29/17 1:08	U-235	0.359	pCi/L		10F	HASL-300	SMP	0.06	0.056
BDD-SWSF-092917-A	9/29/17 1:08	U-235	0.0638	pCi/g		Dry Weight	HASL-300	SMP		0.0098
BDD-SWSF-092917-A	9/29/17 1:08	U-238	7.12	pCi/L		10F	HASL-300	SMP	0.59	0.02
BDD-SWSF-092917-A	9/29/17 1:08	U-238	1.185	pCi/g		Dry Weight	HASL-300	SMP		0.097
BDD-SWSF-092917-B	9/29/17 1:37	Ac-228	14	pCi/L	U	UF	EPA 901.1	SMP	15	24
BDD-SWSF-092917-B	9/29/17 1:37	Am-241	-0.018	pCi/L	U,M	10F	HASL-300	SMP	0.02	0.081
BDD-SWSF-092917-B	9/29/17 1:37	Am-241	0.0001	pCi/g	Y2,U,M	Dry Weight	HASL-300	SMP		0.0083
BDD-SWSF-092917-B	9/29/17 1:37	Be-7	9	pCi/L	U	UF	EPA 901.1	SMP	42	70
BDD-SWSF-092917-B	9/29/17 1:37	Bi-212	96	pCi/L	NQ	UF	EPA 901.1	SMP	55	85
BDD-SWSF-092917-B	9/29/17 1:37	Bi-214	-1	pCi/L	U	UF	EPA 901.1	SMP	18	31
BDD-SWSF-092917-B	9/29/17 1:37	Co-60	0.1	pCi/L	U	UF	EPA 901.1	SMP	3.9	6.8
BDD-SWSF-092917-B	9/29/17 1:37	Cs-134	-2.6	pCi/L	U	UF	EPA 901.1	SMP	3.6	6.2
BDD-SWSF-092917-B	9/29/17 1:37	Cs-137	-0.6	pCi/L	U	UF	EPA 901.1	SMP	3.4	5.8
BDD-SWSF-092917-B	9/29/17 1:37	Gross alpha	4.02	pCi/L		UF	EPA 900.0	SMP	0.42	0.62
BDD-SWSF-092917-B	9/29/17 1:37	Gross beta	3.12	pCi/L	LT	UF	EPA 900.0	SMP	0.46	1.21
BDD-SWSF-092917-B	9/29/17 1:37	I-131	130	pCi/L	U	UF	EPA 901.1	SMP	130	220
BDD-SWSF-092917-B	9/29/17 1:37	K-40	60	pCi/L	U	UF	EPA 901.1	SMP	100	170
BDD-SWSF-092917-B	9/29/17 1:37	Na-22	-0.5	pCi/L	U	UF	EPA 901.1	SMP	4.2	7.2
BDD-SWSF-092917-B	9/29/17 1:37	Np-237	0.011	pCi/L	U	10F	HASL-300	SMP	0.014	0.05
BDD-SWSF-092917-B	9/29/17 1:37	Np-237	0.0022	pCi/g	U	Dry Weight	HASL-300	SMP		0.0035
BDD-SWSF-092917-B	9/29/17 1:37	Pa-234m	280	pCi/L	U	UF	EPA 901.1	SMP	630	1060
BDD-SWSF-092917-B	9/29/17 1:37	Pb-212	4.9	pCi/L	U	UF	EPA 901.1	SMP	9.8	16.2
BDD-SWSF-092917-B	9/29/17 1:37	Pb-214	-12	pCi/L	U	UF	EPA 901.1	SMP	15	24
BDD-SWSF-092917-B	9/29/17 1:37	Pu-238	0.036	pCi/L	U	10F	HASL-300	SMP	0.016	0.037
BDD-SWSF-092917-B	9/29/17 1:37	Pu-238	0.007	pCi/g	U	Dry Weight	HASL-300	SMP		0.0034
BDD-SWSF-092917-B	9/29/17 1:37	Pu-239/240	0.005	pCi/L	U	10F	HASL-300	SMP	0.012	0.037

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-092917-B	9/29/17 1:37	Pu-239/240	0.008	pCi/g	U	Dry Weight	HASL-300	SMP		0.0038
BDD-SWSF-092917-B	9/29/17 1:37	Ra-226	4.52	pCi/L		UF	EPA 903.1	SMP	0.67	0.37
BDD-SWSF-092917-B	9/29/17 1:37	Ra-228	6.47	pCi/L	M3	UF	EPA 904.0	SMP	0.95	1.83
BDD-SWSF-092917-B	9/29/17 1:37	Sr-90	0.37	pCi/L	U	UF	ASTM 5811	SMP	0.16	0.49
BDD-SWSF-092917-B	9/29/17 1:37	SSC	4.051	g/L		UF	D3977-97	SMP		
BDD-SWSF-092917-B	9/29/17 1:37	Th-234	-36	pCi/L	U	UF	EPA 901.1	SMP	68	114
BDD-SWSF-092917-B	9/29/17 1:37	Tl-208	2.7	pCi/L	U	UF	EPA 901.1	SMP	8.7	14.4
BDD-SWSF-092917-B	9/29/17 1:37	U-234	5	pCi/L		10F	HASL-300	SMP	0.41	0.04
BDD-SWSF-092917-B	9/29/17 1:37	U-234	1.058	pCi/g	M3	Dry Weight	HASL-300	SMP		0.087
BDD-SWSF-092917-B	9/29/17 1:37	U-235	0.238	pCi/L		10F	HASL-300	SMP	0.037	0.012
BDD-SWSF-092917-B	9/29/17 1:37	U-235	0.0583	pCi/g		Dry Weight	HASL-300	SMP		0.0091
BDD-SWSF-092917-B	9/29/17 1:37	U-238	4.67	pCi/L		10F	HASL-300	SMP	0.38	0.03
BDD-SWSF-092917-B	9/29/17 1:37	U-238	1.182	pCi/g		Dry Weight	HASL-300	SMP		0.097
BDD-SWSF-092917-C	9/29/17 2:08	Ac-228	34	pCi/L	NQ	UF	EPA 901.1	SMP	20	31
BDD-SWSF-092917-C	9/29/17 2:08	Am-241	0.031	pCi/L	U,M	10F	HASL-300	SMP	0.037	0.131
BDD-SWSF-092917-C	9/29/17 2:08	Am-241	0.0028	pCi/g	U,M	Dry Weight	HASL-300	SMP		0.0078
BDD-SWSF-092917-C	9/29/17 2:08	Be-7	25	pCi/L	U	UF	EPA 901.1	SMP	60	99
BDD-SWSF-092917-C	9/29/17 2:08	Bi-212	41	pCi/L	U	UF	EPA 901.1	SMP	64	105
BDD-SWSF-092917-C	9/29/17 2:08	Bi-214	-15	pCi/L	U	UF	EPA 901.1	SMP	25	42
BDD-SWSF-092917-C	9/29/17 2:08	Co-60	-0.8	pCi/L	U	UF	EPA 901.1	SMP	5	8.6
BDD-SWSF-092917-C	9/29/17 2:08	Cs-134	-6	pCi/L	U	UF	EPA 901.1	SMP	5.3	9.2
BDD-SWSF-092917-C	9/29/17 2:08	Cs-137	-1.7	pCi/L	U	UF	EPA 901.1	SMP	4.8	8.2
BDD-SWSF-092917-C	9/29/17 2:08	Gross alpha	2.61	pCi/L	LT	UF	EPA 900.0	SMP	0.36	0.79
BDD-SWSF-092917-C	9/29/17 2:08	Gross beta	4.75	pCi/L		UF	EPA 900.0	SMP	0.54	1.14
BDD-SWSF-092917-C	9/29/17 2:08	I-131	70	pCi/L	U	UF	EPA 901.1	SMP	190	320
BDD-SWSF-092917-C	9/29/17 2:08	K-40	20	pCi/L	U	UF	EPA 901.1	SMP	140	230
BDD-SWSF-092917-C	9/29/17 2:08	Na-22	-0.1	pCi/L	U	UF	EPA 901.1	SMP	5.3	9
BDD-SWSF-092917-C	9/29/17 2:08	Np-237	-0.014	pCi/L	U	10F	HASL-300	SMP	0.019	0.08
BDD-SWSF-092917-C	9/29/17 2:08	Np-237	0.0109	pCi/g	LT	Dry Weight	HASL-300	SMP		0.0046
BDD-SWSF-092917-C	9/29/17 2:08	Pa-234m	770	pCi/L	U	UF	EPA 901.1	SMP	660	1050
BDD-SWSF-092917-C	9/29/17 2:08	Pb-212	11	pCi/L	U	UF	EPA 901.1	SMP	16	26
BDD-SWSF-092917-C	9/29/17 2:08	Pb-214	-20	pCi/L	U	UF	EPA 901.1	SMP	23	38
BDD-SWSF-092917-C	9/29/17 2:08	Pu-238	0.053	pCi/L		10F	HASL-300	SMP	0.019	0.039
BDD-SWSF-092917-C	9/29/17 2:08	Pu-238	0.008	pCi/g	LT	Dry Weight	HASL-300	SMP		0.0029
BDD-SWSF-092917-C	9/29/17 2:08	Pu-239/240	0.074	pCi/L		10F	HASL-300	SMP	0.022	0.039
BDD-SWSF-092917-C	9/29/17 2:08	Pu-239/240	0.013	pCi/g	U	Dry Weight	HASL-300	SMP		0.0049
BDD-SWSF-092917-C	9/29/17 2:08	Ra-226	6.84	pCi/L		UF	EPA 903.1	SMP	0.96	0.52
BDD-SWSF-092917-C	9/29/17 2:08	Ra-228	8.1	pCi/L	M3	UF	EPA 904.0	SMP	1.2	2.3
BDD-SWSF-092917-C	9/29/17 2:08	Sr-90	-0.44	pCi/L	U	UF	ASTM 5811	SMP	0.24	0.8
BDD-SWSF-092917-C	9/29/17 2:08	SSC	5.947	g/L		UF	D3977-97	SMP		
BDD-SWSF-092917-C	9/29/17 2:08	Th-234	60	pCi/L	U	UF	EPA 901.1	SMP	220	360
BDD-SWSF-092917-C	9/29/17 2:08	Tl-208	1	pCi/L	U	UF	EPA 901.1	SMP	11	19
BDD-SWSF-092917-C	9/29/17 2:08	U-234	7.07	pCi/L		10F	HASL-300	SMP	0.58	0.06
BDD-SWSF-092917-C	9/29/17 2:08	U-234	1.25	pCi/g	M3	Dry Weight	HASL-300	SMP		0.1
BDD-SWSF-092917-C	9/29/17 2:08	U-235	0.29	pCi/L		10F	HASL-300	SMP	0.047	0.016
BDD-SWSF-092917-C	9/29/17 2:08	U-235	0.079	pCi/g		Dry Weight	HASL-300	SMP		0.011
BDD-SWSF-092917-C	9/29/17 2:08	U-238	6.46	pCi/L		10F	HASL-300	SMP	0.53	0.04
BDD-SWSF-092917-C	9/29/17 2:08	U-238	1.27	pCi/g		Dry Weight	HASL-300	SMP		0.1
BDD-SWSF-092917-D	9/29/17 2:50	Am-241	0.025	pCi/L	U,M	10F	HASL-300	SMP	0.033	0.116
BDD-SWSF-092917-D	9/29/17 2:50	Am-241	-0.0148	pCi/g	Y2,U,M	Dry Weight	HASL-300	SMP		0.007
BDD-SWSF-092917-D	9/29/17 2:50	Np-237	0.0134	pCi/g	LT	Dry Weight	HASL-300	SMP		0.0049
BDD-SWSF-092917-D	9/29/17 2:50	Pu-238	0.019	pCi/L	U,M	10F	HASL-300	SMP	0.019	0.069
BDD-SWSF-092917-D	9/29/17 2:50	Pu-238	0.0115	pCi/g	LT	Dry Weight	HASL-300	SMP		0.0042
BDD-SWSF-092917-D	9/29/17 2:50	Pu-239/240	0.07	pCi/L		10F	HASL-300	SMP	0.022	0.017
BDD-SWSF-092917-D	9/29/17 2:50	Pu-239/240	0.024	pCi/g		Dry Weight	HASL-300	SMP		0.0053

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-092917-D	9/29/17 2:50	SSC	10.322	g/L		UF	D3977-97	SMP		
BDD-SWSF-092917-D	9/29/17 2:50	U-234	9.59	pCi/L		10F	HASL-300	SMP	0.78	0.02
BDD-SWSF-092917-D	9/29/17 2:50	U-234	1.071	pCi/g	M3	Dry Weight	HASL-300	SMP		0.088
BDD-SWSF-092917-D	9/29/17 2:50	U-235	0.423	pCi/L		10F	HASL-300	SMP	0.066	0.068
BDD-SWSF-092917-D	9/29/17 2:50	U-235	0.064	pCi/g		Dry Weight	HASL-300	SMP		0.0096
BDD-SWSF-092917-D	9/29/17 2:50	U-238	9.78	pCi/L		10F	HASL-300	SMP	0.79	0.06
BDD-SWSF-092917-D	9/29/17 2:50	U-238	1.115	pCi/g	M3	Dry Weight	HASL-300	SMP		0.091
BDD-SWSF-092917-E	9/29/17 3:38	Ac-228	133	pCi/L	U	UF	EPA 901.1	SMP	84	154
BDD-SWSF-092917-E	9/29/17 3:38	Am-241	-0.069	pCi/L	U,M	10F	HASL-300	SMP	0.079	0.332
BDD-SWSF-092917-E	9/29/17 3:38	Am-241	0.001	pCi/g	Y2,U,M	Dry Weight	HASL-300	SMP		0.012
BDD-SWSF-092917-E	9/29/17 3:38	Be-7	170	pCi/L	U	UF	EPA 901.1	SMP	250	410
BDD-SWSF-092917-E	9/29/17 3:38	Bi-212	-20	pCi/L	U	UF	EPA 901.1	SMP	280	480
BDD-SWSF-092917-E	9/29/17 3:38	Bi-214	40	pCi/L	U	UF	EPA 901.1	SMP	79	154
BDD-SWSF-092917-E	9/29/17 3:38	Co-60	16	pCi/L	U	UF	EPA 901.1	SMP	23	38
BDD-SWSF-092917-E	9/29/17 3:38	Cs-134	-9	pCi/L	U	UF	EPA 901.1	SMP	21	36
BDD-SWSF-092917-E	9/29/17 3:38	Cs-137	9	pCi/L	U,M	UF	EPA 901.1	SMP	20	34
BDD-SWSF-092917-E	9/29/17 3:38	Gross alpha	9.88	pCi/L		UF	EPA 900.0	SMP	0.93	0.94
BDD-SWSF-092917-E	9/29/17 3:38	Gross beta	11.6	pCi/L		UF	EPA 900.0	SMP	1	1.2
BDD-SWSF-092917-E	9/29/17 3:38	I-131	-350	pCi/L	U	UF	EPA 901.1	SMP	790	1350
BDD-SWSF-092917-E	9/29/17 3:38	K-40	-110	pCi/L	U	UF	EPA 901.1	SMP	620	1040
BDD-SWSF-092917-E	9/29/17 3:38	Na-22	23	pCi/L	U	UF	EPA 901.1	SMP	24	40
BDD-SWSF-092917-E	9/29/17 3:38	Np-237	-0.019	pCi/L	U,M	10F	HASL-300	SMP	0.062	0.265
BDD-SWSF-092917-E	9/29/17 3:38	Np-237	0.0176	pCi/g	LT	Dry Weight	HASL-300	SMP		0.0071
BDD-SWSF-092917-E	9/29/17 3:38	Pa-234m	400	pCi/L	U	UF	EPA 901.1	SMP	3300	5500
BDD-SWSF-092917-E	9/29/17 3:38	Pb-212	15	pCi/L	U	UF	EPA 901.1	SMP	63	105
BDD-SWSF-092917-E	9/29/17 3:38	Pb-214	-58	pCi/L	U	UF	EPA 901.1	SMP	84	140
BDD-SWSF-092917-E	9/29/17 3:38	Pu-238	0.069	pCi/L	U,M	10F	HASL-300	SMP	0.049	0.16
BDD-SWSF-092917-E	9/29/17 3:38	Pu-238	0.0043	pCi/g	U	Dry Weight	HASL-300	SMP		0.0038
BDD-SWSF-092917-E	9/29/17 3:38	Pu-239/240	0.103	pCi/L	U,M	10F	HASL-300	SMP	0.049	0.126
BDD-SWSF-092917-E	9/29/17 3:38	Pu-239/240	0.0108	pCi/g	U	Dry Weight	HASL-300	SMP		0.0044
BDD-SWSF-092917-E	9/29/17 3:38	Ra-226	19.6	pCi/L	M3	UF	EPA 903.1	SMP	3	2.1
BDD-SWSF-092917-E	9/29/17 3:38	Ra-228	15.1	pCi/L	Y1,M3	UF	EPA 904.0	SMP	2.9	8.7
BDD-SWSF-092917-E	9/29/17 3:38	Sr-90	-0.44	pCi/L	U,M	UF	ASTM 5811	SMP	0.68	2.27
BDD-SWSF-092917-E	9/29/17 3:38	SSC	19.518	g/L		UF	D3977-97	SMP		
BDD-SWSF-092917-E	9/29/17 3:38	Th-234	70	pCi/L	U	UF	EPA 901.1	SMP	680	1130
BDD-SWSF-092917-E	9/29/17 3:38	Tl-208	44	pCi/L	NQ	UF	EPA 901.1	SMP	21	32
BDD-SWSF-092917-E	9/29/17 3:38	U-234	27.4	pCi/L	M3	10F	HASL-300	SMP	2.2	0.2
BDD-SWSF-092917-E	9/29/17 3:38	U-234	1.67	pCi/g		Dry Weight	HASL-300	SMP		0.13
BDD-SWSF-092917-E	9/29/17 3:38	U-235	1.41	pCi/L	M3	10F	HASL-300	SMP	0.2	0.15
BDD-SWSF-092917-E	9/29/17 3:38	U-235	0.097	pCi/g		Dry Weight	HASL-300	SMP		0.012
BDD-SWSF-092917-E	9/29/17 3:38	U-238	26	pCi/L	M3	10F	HASL-300	SMP	2.1	0.2
BDD-SWSF-092917-E	9/29/17 3:38	U-238	1.77	pCi/g		Dry Weight	HASL-300	SMP		0.14
BDD-SWSF-092917-F	9/29/17 4:20	Ac-228	30	pCi/L	U	UF	EPA 901.1	SMP	250	410
BDD-SWSF-092917-F	9/29/17 4:20	Am-241	-0.046	pCi/L	U,M	10F	HASL-300	SMP	0.086	0.349
BDD-SWSF-092917-F	9/29/17 4:20	Am-241	-0.01	pCi/g	Y2,U,M	Dry Weight	HASL-300	SMP		0.01
BDD-SWSF-092917-F	9/29/17 4:20	Be-7	70	pCi/L	U	UF	EPA 901.1	SMP	280	470
BDD-SWSF-092917-F	9/29/17 4:20	Bi-212	270	pCi/L	U	UF	EPA 901.1	SMP	320	520
BDD-SWSF-092917-F	9/29/17 4:20	Bi-214	4	pCi/L	U	UF	EPA 901.1	SMP	99	164
BDD-SWSF-092917-F	9/29/17 4:20	Co-60	1	pCi/L	U	UF	EPA 901.1	SMP	31	53
BDD-SWSF-092917-F	9/29/17 4:20	Cs-134	9	pCi/L	U	UF	EPA 901.1	SMP	32	53
BDD-SWSF-092917-F	9/29/17 4:20	Cs-137	3	pCi/L	U,M	UF	EPA 901.1	SMP	24	41
BDD-SWSF-092917-F	9/29/17 4:20	Gross alpha	11	pCi/L		UF	EPA 900.0	SMP	1	0.8
BDD-SWSF-092917-F	9/29/17 4:20	Gross beta	14.1	pCi/L		UF	EPA 900.0	SMP	1.2	1.2
BDD-SWSF-092917-F	9/29/17 4:20	I-131	10	pCi/L	U	UF	EPA 901.1	SMP	890	1500
BDD-SWSF-092917-F	9/29/17 4:20	K-40	-30	pCi/L	U	UF	EPA 901.1	SMP	720	1200

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-092917-F	9/29/17 4:20	Na-22	17	pCi/L	U	UF	EPA 901.1	SMP	30	50
BDD-SWSF-092917-F	9/29/17 4:20	Np-237	0.066	pCi/L	LT	10F	HASL-300	SMP	0.043	0.045
BDD-SWSF-092917-F	9/29/17 4:20	Np-237	0.0095	pCi/g	U	Dry Weight	HASL-300	SMP		0.0062
BDD-SWSF-092917-F	9/29/17 4:20	Pa-234m	6300	pCi/L	U	UF	EPA 901.1	SMP	6000	9700
BDD-SWSF-092917-F	9/29/17 4:20	Pb-212	-11	pCi/L	U	UF	EPA 901.1	SMP	60	100
BDD-SWSF-092917-F	9/29/17 4:20	Pb-214	-18	pCi/L	U	UF	EPA 901.1	SMP	87	144
BDD-SWSF-092917-F	9/29/17 4:20	Pu-238	0.059	pCi/L	U,M	10F	HASL-300	SMP	0.052	0.181
BDD-SWSF-092917-F	9/29/17 4:20	Pu-238	0.0023	pCi/g	U	Dry Weight	HASL-300	SMP		0.0037
BDD-SWSF-092917-F	9/29/17 4:20	Pu-239/240	0.253	pCi/L	M3	10F	HASL-300	SMP	0.078	0.143
BDD-SWSF-092917-F	9/29/17 4:20	Pu-239/240	0.0164	pCi/g	LT	Dry Weight	HASL-300	SMP		0.0046
BDD-SWSF-092917-F	9/29/17 4:20	Ra-226	452	pCi/L	M3	UF	EPA 903.1	SMP	56	2
BDD-SWSF-092917-F	9/29/17 4:20	Ra-228	26.2	pCi/L	M3	UF	EPA 904.0	SMP	4.1	8.8
BDD-SWSF-092917-F	9/29/17 4:20	Sr-90	0.13	pCi/L	U,M	UF	ASTM 5811	SMP	0.73	2.43
BDD-SWSF-092917-F	9/29/17 4:20	SSC	20.314	g/L		UF	D3977-97	SMP		
BDD-SWSF-092917-F	9/29/17 4:20	Th-234	-170	pCi/L	U	UF	EPA 901.1	SMP	640	1060
BDD-SWSF-092917-F	9/29/17 4:20	Tl-208	52	pCi/L	NQ	UF	EPA 901.1	SMP	24	36
BDD-SWSF-092917-F	9/29/17 4:20	U-234	33.8	pCi/L	M3	10F	HASL-300	SMP	2.7	0.2
BDD-SWSF-092917-F	9/29/17 4:20	U-234	2.05	pCi/g		Dry Weight	HASL-300	SMP		0.16
BDD-SWSF-092917-F	9/29/17 4:20	U-235	1.69	pCi/L		10F	HASL-300	SMP	0.23	0.06
BDD-SWSF-092917-F	9/29/17 4:20	U-235	0.088	pCi/g	M3	Dry Weight	HASL-300	SMP		0.012
BDD-SWSF-092917-F	9/29/17 4:20	U-238	34.4	pCi/L	M3	10F	HASL-300	SMP	2.8	0.1
BDD-SWSF-092917-F	9/29/17 4:20	U-238	2.16	pCi/g	M3	Dry Weight	HASL-300	SMP		0.17
BDD-SWSF-092917-G	9/29/17 5:08	Ac-228	17	pCi/L	U	UF	EPA 901.1	SMP	94	156
BDD-SWSF-092917-G	9/29/17 5:08	Am-241	-0.047	pCi/L	U,M	10F	HASL-300	SMP	0.063	0.256
BDD-SWSF-092917-G	9/29/17 5:08	Am-241	-0.0002	pCi/g	Y2,U,M	Dry Weight	HASL-300	SMP		0.0078
BDD-SWSF-092917-G	9/29/17 5:08	Be-7	-30	pCi/L	U	UF	EPA 901.1	SMP	160	270
BDD-SWSF-092917-G	9/29/17 5:08	Bi-212	160	pCi/L	U	UF	EPA 901.1	SMP	170	280
BDD-SWSF-092917-G	9/29/17 5:08	Bi-214	-24	pCi/L	U	UF	EPA 901.1	SMP	65	108
BDD-SWSF-092917-G	9/29/17 5:08	Co-60	-12	pCi/L	U	UF	EPA 901.1	SMP	13	24
BDD-SWSF-092917-G	9/29/17 5:08	Cs-134	-19	pCi/L	U	UF	EPA 901.1	SMP	14	24
BDD-SWSF-092917-G	9/29/17 5:08	Cs-137	-11	pCi/L	U,M	UF	EPA 901.1	SMP	11	20
BDD-SWSF-092917-G	9/29/17 5:08	Gross alpha	8.3	pCi/L		UF	EPA 900.0	SMP	0.81	0.97
BDD-SWSF-092917-G	9/29/17 5:08	Gross beta	10	pCi/L		UF	EPA 900.0	SMP	0.91	1.25
BDD-SWSF-092917-G	9/29/17 5:08	I-131	-190	pCi/L	U	UF	EPA 901.1	SMP	480	830
BDD-SWSF-092917-G	9/29/17 5:08	K-40	160	pCi/L	U	UF	EPA 901.1	SMP	370	620
BDD-SWSF-092917-G	9/29/17 5:08	Na-22	-4	pCi/L	U	UF	EPA 901.1	SMP	13	22
BDD-SWSF-092917-G	9/29/17 5:08	Np-237	0.076	pCi/L	U	10F	HASL-300	SMP	0.05	0.152
BDD-SWSF-092917-G	9/29/17 5:08	Np-237	0.0136	pCi/g	U	Dry Weight	HASL-300	SMP		0.0064
BDD-SWSF-092917-G	9/29/17 5:08	Pa-234m	1200	pCi/L	U	UF	EPA 901.1	SMP	2000	3400
BDD-SWSF-092917-G	9/29/17 5:08	Pb-212	4	pCi/L	U	UF	EPA 901.1	SMP	40	67
BDD-SWSF-092917-G	9/29/17 5:08	Pb-214	-23	pCi/L	U	UF	EPA 901.1	SMP	48	81
BDD-SWSF-092917-G	9/29/17 5:08	Pu-238	0.199	pCi/L		10F	HASL-300	SMP	0.054	0.036
BDD-SWSF-092917-G	9/29/17 5:08	Pu-238	0.0061	pCi/g	U	Dry Weight	HASL-300	SMP		0.0044
BDD-SWSF-092917-G	9/29/17 5:08	Pu-239/240	0.119	pCi/L	M3	10F	HASL-300	SMP	0.045	0.097
BDD-SWSF-092917-G	9/29/17 5:08	Pu-239/240	0.0098	pCi/g	LT	Dry Weight	HASL-300	SMP		0.0035
BDD-SWSF-092917-G	9/29/17 5:08	Ra-226	24	pCi/L	M3	UF	EPA 903.1	SMP	3.3	1.6
BDD-SWSF-092917-G	9/29/17 5:08	Ra-228	18.1	pCi/L	Y1,M3	UF	EPA 904.0	SMP	2.8	6
BDD-SWSF-092917-G	9/29/17 5:08	Sr-90	-0.16	pCi/L	U,M	UF	ASTM 5811	SMP	0.58	1.95
BDD-SWSF-092917-G	9/29/17 5:08	SSC	13.779	g/L		UF	D3977-97	SMP		
BDD-SWSF-092917-G	9/29/17 5:08	Th-234	-10	pCi/L	U	UF	EPA 901.1	SMP	630	1040
BDD-SWSF-092917-G	9/29/17 5:08	Tl-208	5	pCi/L	U	UF	EPA 901.1	SMP	28	47
BDD-SWSF-092917-G	9/29/17 5:08	U-234	23.7	pCi/L		10F	HASL-300	SMP	1.9	0
BDD-SWSF-092917-G	9/29/17 5:08	U-234	1.79	pCi/g	M3	Dry Weight	HASL-300	SMP		0.14
BDD-SWSF-092917-G	9/29/17 5:08	U-235	1.15	pCi/L	M3	10F	HASL-300	SMP	0.16	0.14
BDD-SWSF-092917-G	9/29/17 5:08	U-235	0.087	pCi/g		Dry Weight	HASL-300	SMP		0.012

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-092917-G	9/29/17 5:08	U-238	23.9	pCi/L	M3	10F	HASL-300	SMP	1.9	0.2
BDD-SWSF-092917-G	9/29/17 5:08	U-238	1.78	pCi/g		Dry Weight	HASL-300	SMP		0.14
BDD-SWSF-092917-H	9/29/17 5:53	Ac-228	47	pCi/L	U	UF	EPA 901.1	SMP	42	73
BDD-SWSF-092917-H	9/29/17 5:53	Am-241	-0.004	pCi/L	U,M	10F	HASL-300	SMP	0.05	0.191
BDD-SWSF-092917-H	9/29/17 5:53	Am-241	0.011	pCi/g	Y2,U,M	Dry Weight	HASL-300	SMP		0.012
BDD-SWSF-092917-H	9/29/17 5:53	Be-7	60	pCi/L	U	UF	EPA 901.1	SMP	120	200
BDD-SWSF-092917-H	9/29/17 5:53	Bi-212	50	pCi/L	U	UF	EPA 901.1	SMP	140	230
BDD-SWSF-092917-H	9/29/17 5:53	Bi-214	-33	pCi/L	U	UF	EPA 901.1	SMP	50	83
BDD-SWSF-092917-H	9/29/17 5:53	Co-60	6	pCi/L	U	UF	EPA 901.1	SMP	13	21
BDD-SWSF-092917-H	9/29/17 5:53	Cs-134	-4	pCi/L	U	UF	EPA 901.1	SMP	10	17
BDD-SWSF-092917-H	9/29/17 5:53	Cs-137	-9	pCi/L	U,M	UF	EPA 901.1	SMP	10	18
BDD-SWSF-092917-H	9/29/17 5:53	Gross alpha	7.32	pCi/L		UF	EPA 900.0	SMP	0.69	0.68
BDD-SWSF-092917-H	9/29/17 5:53	Gross beta	7.74	pCi/L		UF	EPA 900.0	SMP	0.75	1.23
BDD-SWSF-092917-H	9/29/17 5:53	I-131	50	pCi/L	U	UF	EPA 901.1	SMP	380	640
BDD-SWSF-092917-H	9/29/17 5:53	K-40	290	pCi/L	U	UF	EPA 901.1	SMP	280	460
BDD-SWSF-092917-H	9/29/17 5:53	Na-22	-3	pCi/L	U	UF	EPA 901.1	SMP	12	21
BDD-SWSF-092917-H	9/29/17 5:53	Np-237	-0.02	pCi/L	U	10F	HASL-300	SMP	0.032	0.143
BDD-SWSF-092917-H	9/29/17 5:53	Np-237	0.005	pCi/g	U	Dry Weight	HASL-300	SMP		0.0069
BDD-SWSF-092917-H	9/29/17 5:53	Pa-234m	-500	pCi/L	U	UF	EPA 901.1	SMP	1700	3000
BDD-SWSF-092917-H	9/29/17 5:53	Pb-212	1	pCi/L	U	UF	EPA 901.1	SMP	28	47
BDD-SWSF-092917-H	9/29/17 5:53	Pb-214	-43	pCi/L	U	UF	EPA 901.1	SMP	38	64
BDD-SWSF-092917-H	9/29/17 5:53	Pu-238	0.058	pCi/L	U,M	10F	HASL-300	SMP	0.041	0.135
BDD-SWSF-092917-H	9/29/17 5:53	Pu-238	0.0101	pCi/g	LT	Dry Weight	HASL-300	SMP		0.0041
BDD-SWSF-092917-H	9/29/17 5:53	Pu-239/240	0.015	pCi/L	U,M	10F	HASL-300	SMP	0.06	0.231
BDD-SWSF-092917-H	9/29/17 5:53	Pu-239/240	0.0125	pCi/g	LT	Dry Weight	HASL-300	SMP		0.0041
BDD-SWSF-092917-H	9/29/17 5:53	Ra-226	39.5	pCi/L	M3	UF	EPA 903.1	SMP	5.1	1.1
BDD-SWSF-092917-H	9/29/17 5:53	Ra-228	23.4	pCi/L	M3	UF	EPA 904.0	SMP	3.2	4.9
BDD-SWSF-092917-H	9/29/17 5:53	Sr-90	0.46	pCi/L	U,M	UF	ASTM 5811	SMP	0.37	1.2
BDD-SWSF-092917-H	9/29/17 5:53	SSC	11.358	g/L		UF	D3977-97	SMP		
BDD-SWSF-092917-H	9/29/17 5:53	Th-234	40	pCi/L	U	UF	EPA 901.1	SMP	270	480
BDD-SWSF-092917-H	9/29/17 5:53	Tl-208	-2	pCi/L	U	UF	EPA 901.1	SMP	20	33
BDD-SWSF-092917-H	9/29/17 5:53	U-234	19.8	pCi/L	M3	10F	HASL-300	SMP	1.6	0.1
BDD-SWSF-092917-H	9/29/17 5:53	U-234	1.66	pCi/g		Dry Weight	HASL-300	SMP		0.13
BDD-SWSF-092917-H	9/29/17 5:53	U-235	0.99	pCi/L		10F	HASL-300	SMP	0.14	0.03
BDD-SWSF-092917-H	9/29/17 5:53	U-235	0.103	pCi/g		Dry Weight	HASL-300	SMP		0.013
BDD-SWSF-092917-H	9/29/17 5:53	U-238	20.3	pCi/L	M3	10F	HASL-300	SMP	1.6	0.1
BDD-SWSF-092917-H	9/29/17 5:53	U-238	1.77	pCi/g		Dry Weight	HASL-300	SMP		0.14
BDD-SWSF-092917-I	9/29/17 6:38	Ac-228	65	pCi/L	NQ	UF	EPA 901.1	SMP	28	61
BDD-SWSF-092917-I	9/29/17 6:38	Am-241	-0.013	pCi/L	U,M	10F	HASL-300	SMP	0.049	0.192
BDD-SWSF-092917-I	9/29/17 6:38	Am-241	-0.0032	pCi/g	Y2,U,M	Dry Weight	HASL-300	SMP		0.0087
BDD-SWSF-092917-I	9/29/17 6:38	Be-7	80	pCi/L	U	UF	EPA 901.1	SMP	100	170
BDD-SWSF-092917-I	9/29/17 6:38	Bi-212	60	pCi/L	U	UF	EPA 901.1	SMP	150	240
BDD-SWSF-092917-I	9/29/17 6:38	Bi-214	2	pCi/L	U	UF	EPA 901.1	SMP	48	81
BDD-SWSF-092917-I	9/29/17 6:38	Co-60	-2	pCi/L	U	UF	EPA 901.1	SMP	11	19
BDD-SWSF-092917-I	9/29/17 6:38	Cs-134	-5.3	pCi/L	U	UF	EPA 901.1	SMP	9.5	16.4
BDD-SWSF-092917-I	9/29/17 6:38	Cs-137	-0.2	pCi/L	U,M	UF	EPA 901.1	SMP	9.2	15.7
BDD-SWSF-092917-I	9/29/17 6:38	Gross alpha	6.76	pCi/L		UF	EPA 900.0	SMP	0.66	0.75
BDD-SWSF-092917-I	9/29/17 6:38	Gross beta	8.44	pCi/L		UF	EPA 900.0	SMP	0.8	1.22
BDD-SWSF-092917-I	9/29/17 6:38	I-131	-160	pCi/L	U	UF	EPA 901.1	SMP	390	660
BDD-SWSF-092917-I	9/29/17 6:38	K-40	90	pCi/L	U	UF	EPA 901.1	SMP	270	450
BDD-SWSF-092917-I	9/29/17 6:38	Na-22	4	pCi/L	U	UF	EPA 901.1	SMP	11	19
BDD-SWSF-092917-I	9/29/17 6:38	Np-237	0.01	pCi/L	U	10F	HASL-300	SMP	0.038	0.148
BDD-SWSF-092917-I	9/29/17 6:38	Np-237	0.0029	pCi/g	U	Dry Weight	HASL-300	SMP		0.0051
BDD-SWSF-092917-I	9/29/17 6:38	Pa-234m	1000	pCi/L	U	UF	EPA 901.1	SMP	1200	2000
BDD-SWSF-092917-I	9/29/17 6:38	Pb-212	5	pCi/L	U	UF	EPA 901.1	SMP	26	43

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-092917-I	9/29/17 6:38	Pb-214	-5	pCi/L	U	UF	EPA 901.1	SMP	41	68
BDD-SWSF-092917-I	9/29/17 6:38	Pu-238	0.118	pCi/L	M3	10F	HASL-300	SMP	0.044	0.096
BDD-SWSF-092917-I	9/29/17 6:38	Pu-238	0.0064	pCi/g	U	Dry Weight	HASL-300	SMP		0.003
BDD-SWSF-092917-I	9/29/17 6:38	Pu-239/240	0.183	pCi/L		10F	HASL-300	SMP	0.051	0.035
BDD-SWSF-092917-I	9/29/17 6:38	Pu-239/240	0.0106	pCi/g	LT	Dry Weight	HASL-300	SMP		0.0041
BDD-SWSF-092917-I	9/29/17 6:38	Ra-226	25	pCi/L		UF	EPA 903.1	SMP	3.3	1
BDD-SWSF-092917-I	9/29/17 6:38	Ra-228	19	pCi/L	Y1,M3	UF	EPA 904.0	SMP	2.7	4.7
BDD-SWSF-092917-I	9/29/17 6:38	Sr-90	-0.64	pCi/L	U,M	UF	ASTM 5811	SMP	0.43	1.44
BDD-SWSF-092917-I	9/29/17 6:38	SSC	10.970	g/L		UF	D3977-97	SMP		
BDD-SWSF-092917-I	9/29/17 6:38	Th-234	-50	pCi/L	U	UF	EPA 901.1	SMP	180	300
BDD-SWSF-092917-I	9/29/17 6:38	Tl-208	2	pCi/L	U	UF	EPA 901.1	SMP	22	37
BDD-SWSF-092917-I	9/29/17 6:38	U-234	23.5	pCi/L	M3	10F	HASL-300	SMP	1.9	0.1
BDD-SWSF-092917-I	9/29/17 6:38	U-234	1.94	pCi/g	M3	Dry Weight	HASL-300	SMP		0.16
BDD-SWSF-092917-I	9/29/17 6:38	U-235	1.05	pCi/L		10F	HASL-300	SMP	0.13	0.03
BDD-SWSF-092917-I	9/29/17 6:38	U-235	0.081	pCi/g		Dry Weight	HASL-300	SMP		0.011
BDD-SWSF-092917-I	9/29/17 6:38	U-238	23.7	pCi/L	M3	10F	HASL-300	SMP	1.9	0.1
BDD-SWSF-092917-I	9/29/17 6:38	U-238	2.04	pCi/g	M3	Dry Weight	HASL-300	SMP		0.16
BDD-SWSF-092917-J	9/29/17 8:08	Am-241	-0.045	pCi/L	U,M	UF	HASL-300	SMP	0.033	0.144
BDD-SWSF-092917-J	9/29/17 8:08	Pu-238	0.089	pCi/L	M3	UF	HASL-300	SMP	0.032	0.076
BDD-SWSF-092917-J	9/29/17 8:08	Pu-239/240	0.114	pCi/L	M3	UF	HASL-300	SMP	0.036	0.075
BDD-SWSF-092917-J	9/29/17 8:08	SSC	8.617	g/L		UF	D3977-97	SMP		
BDD-SWSF-092917-J	9/29/17 8:08	U-234	17.9	pCi/L		UF	HASL-300	SMP	1.4	0.1
BDD-SWSF-092917-J	9/29/17 8:08	U-235	0.87	pCi/L		UF	HASL-300	SMP	0.11	0.07
BDD-SWSF-092917-J	9/29/17 8:08	U-238	19.1	pCi/L		UF	HASL-300	SMP	1.5	0.1
BDD-SWSF-100417-A	10/4/17 22:58	Ac-228	41	pCi/L	NQ	UF	EPA 901.1	SMP	23	35
BDD-SWSF-100417-A	10/4/17 22:58	Am-241	-0.032	pCi/L	U,M	10F	HASL-300	SMP	0.026	0.115
BDD-SWSF-100417-A	10/4/17 22:58	Am-241	-0.0037	pCi/g	U,M	Dry Weight	HASL-300	SMP		0.006
BDD-SWSF-100417-A	10/4/17 22:58	Be-7	9	pCi/L	U	UF	EPA 901.1	SMP	63	105
BDD-SWSF-100417-A	10/4/17 22:58	Bi-212	106	pCi/L	U	UF	EPA 901.1	SMP	82	131
BDD-SWSF-100417-A	10/4/17 22:58	Bi-214	-8	pCi/L	U	UF	EPA 901.1	SMP	28	47
BDD-SWSF-100417-A	10/4/17 22:58	Co-60	-4	pCi/L	U	UF	EPA 901.1	SMP	7.2	12.6
BDD-SWSF-100417-A	10/4/17 22:58	Cs-134	-8.5	pCi/L	U	UF	EPA 901.1	SMP	5.8	10.1
BDD-SWSF-100417-A	10/4/17 22:58	Cs-137	-1.7	pCi/L	U	UF	EPA 901.1	SMP	5.8	9.8
BDD-SWSF-100417-A	10/4/17 22:58	Gross alpha	120	pCi/L	M3	UF	EPA 900.0	SMP	15	27
BDD-SWSF-100417-A	10/4/17 22:58	Gross beta	143	pCi/L	M3	UF	EPA 900.0	SMP	18	42
BDD-SWSF-100417-A	10/4/17 22:58	I-131	10	pCi/L	U	UF	EPA 901.1	SMP	110	190
BDD-SWSF-100417-A	10/4/17 22:58	K-40	20	pCi/L	U	UF	EPA 901.1	SMP	160	260
BDD-SWSF-100417-A	10/4/17 22:58	Na-22	-10.5	pCi/L	U	UF	EPA 901.1	SMP	7.3	13
BDD-SWSF-100417-A	10/4/17 22:58	Np-237	0.033	pCi/L	U	10F	HASL-300	SMP	0.019	0.051
BDD-SWSF-100417-A	10/4/17 22:58	Np-237	0.0116	pCi/g	U	Dry Weight	HASL-300	SMP		0.0054
BDD-SWSF-100417-A	10/4/17 22:58	Pa-234m	220	pCi/L	U	UF	EPA 901.1	SMP	980	1660
BDD-SWSF-100417-A	10/4/17 22:58	Pb-212	-2	pCi/L	U	UF	EPA 901.1	SMP	16	26
BDD-SWSF-100417-A	10/4/17 22:58	Pb-214	-17	pCi/L	U	UF	EPA 901.1	SMP	21	35
BDD-SWSF-100417-A	10/4/17 22:58	Pu-238	0.041	pCi/L	U	10F	HASL-300	SMP	0.018	0.043
BDD-SWSF-100417-A	10/4/17 22:58	Pu-238	0.0176	pCi/g	LT	Dry Weight	HASL-300	SMP		0.005
BDD-SWSF-100417-A	10/4/17 22:58	Pu-239/240	0.064	pCi/L		10F	HASL-300	SMP	0.021	0.043
BDD-SWSF-100417-A	10/4/17 22:58	Pu-239/240	0.0245	pCi/g		Dry Weight	HASL-300	SMP		0.0059
BDD-SWSF-100417-A	10/4/17 22:58	Ra-226	12.4	pCi/L		UF	EPA 903.1	SMP	1.6	0.4
BDD-SWSF-100417-A	10/4/17 22:58	Ra-228	10.5	pCi/L	M3	UF	EPA 904.0	SMP	1.5	2.4
BDD-SWSF-100417-A	10/4/17 22:58	Sr-90	-0.04	pCi/L	U	UF	ASTM 5811	SMP	0.23	0.76
BDD-SWSF-100417-A	10/4/17 22:58	SSC	6.627	g/L		UF	D3977-97	SMP		
BDD-SWSF-100417-A	10/4/17 22:58	Th-234	-30	pCi/L	U	UF	EPA 901.1	SMP	160	270
BDD-SWSF-100417-A	10/4/17 22:58	Tl-208	6	pCi/L	U	UF	EPA 901.1	SMP	12	19
BDD-SWSF-100417-A	10/4/17 22:58	U-234	10	pCi/L		10F	HASL-300	SMP	0.8	0.09
BDD-SWSF-100417-A	10/4/17 22:58	U-234	1.57	pCi/g		Dry Weight	HASL-300	SMP		0.13

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-100417-A	10/4/17 22:58	U-235	0.434	pCi/L		10F	HASL-300	SMP	0.063	0.072
BDD-SWSF-100417-A	10/4/17 22:58	U-235	0.091	pCi/g		Dry Weight	HASL-300	SMP		0.012
BDD-SWSF-100417-A	10/4/17 22:58	U-238	10.03	pCi/L		10F	HASL-300	SMP	0.8	0.06
BDD-SWSF-100417-A	10/4/17 22:58	U-238	1.65	pCi/g		Dry Weight	HASL-300	SMP		0.13
BDD-SWSF-100417-B	10/4/17 23:27	Ac-228	11	pCi/L	U	UF	EPA 901.1	SMP	81	135
BDD-SWSF-100417-B	10/4/17 23:27	Am-241	-0.064	pCi/L	U,M	10F	HASL-300	SMP	0.053	0.25
BDD-SWSF-100417-B	10/4/17 23:27	Am-241	-0.0085	pCi/g	U,M	Dry Weight	HASL-300	SMP		0.0057
BDD-SWSF-100417-B	10/4/17 23:27	Be-7	30	pCi/L	U	UF	EPA 901.1	SMP	83	139
BDD-SWSF-100417-B	10/4/17 23:27	Bi-212	100	pCi/L	U	UF	EPA 901.1	SMP	120	200
BDD-SWSF-100417-B	10/4/17 23:27	Bi-214	8	pCi/L	U	UF	EPA 901.1	SMP	41	68
BDD-SWSF-100417-B	10/4/17 23:27	Co-60	-1.7	pCi/L	U	UF	EPA 901.1	SMP	8.9	15.5
BDD-SWSF-100417-B	10/4/17 23:27	Cs-134	-6.9	pCi/L	U	UF	EPA 901.1	SMP	8.2	14.2
BDD-SWSF-100417-B	10/4/17 23:27	Cs-137	1.7	pCi/L	U,M	UF	EPA 901.1	SMP	7.6	12.9
BDD-SWSF-100417-B	10/4/17 23:27	Gross alpha	287	pCi/L	M3	UF	EPA 900.0	SMP	28	31
BDD-SWSF-100417-B	10/4/17 23:27	Gross beta	290	pCi/L	M3	UF	EPA 900.0	SMP	28	43
BDD-SWSF-100417-B	10/4/17 23:27	I-131	90	pCi/L	U	UF	EPA 901.1	SMP	160	270
BDD-SWSF-100417-B	10/4/17 23:27	K-40	210	pCi/L	U	UF	EPA 901.1	SMP	240	390
BDD-SWSF-100417-B	10/4/17 23:27	Na-22	7.7	pCi/L	U	UF	EPA 901.1	SMP	9.4	15.3
BDD-SWSF-100417-B	10/4/17 23:27	Np-237	0.065	pCi/L	U	10F	HASL-300	SMP	0.038	0.115
BDD-SWSF-100417-B	10/4/17 23:27	Np-237	0.0199	pCi/g	LT	Dry Weight	HASL-300	SMP		0.0075
BDD-SWSF-100417-B	10/4/17 23:27	Pa-234m	1500	pCi/L	U	UF	EPA 901.1	SMP	1400	2300
BDD-SWSF-100417-B	10/4/17 23:27	Pb-212	12	pCi/L	U	UF	EPA 901.1	SMP	22	36
BDD-SWSF-100417-B	10/4/17 23:27	Pb-214	-17	pCi/L	U	UF	EPA 901.1	SMP	33	55
BDD-SWSF-100417-B	10/4/17 23:27	Pu-238	0.054	pCi/L	U,M	10F	HASL-300	SMP	0.026	0.066
BDD-SWSF-100417-B	10/4/17 23:27	Pu-238	0.0043	pCi/g	U	Dry Weight	HASL-300	SMP		0.003
BDD-SWSF-100417-B	10/4/17 23:27	Pu-239/240	0.081	pCi/L	M3	10F	HASL-300	SMP	0.03	0.066
BDD-SWSF-100417-B	10/4/17 23:27	Pu-239/240	0.0117	pCi/g	LT	Dry Weight	HASL-300	SMP		0.004
BDD-SWSF-100417-B	10/4/17 23:27	Ra-226	21.2	pCi/L		UF	EPA 903.1	SMP	2.8	0.9
BDD-SWSF-100417-B	10/4/17 23:27	Ra-228	13.4	pCi/L	M3	UF	EPA 904.0	SMP	2	3.7
BDD-SWSF-100417-B	10/4/17 23:27	Sr-90	-0.79	pCi/L	U,M	UF	ASTM 5811	SMP	0.38	1.24
BDD-SWSF-100417-B	10/4/17 23:27	SSC	9.387	g/L		UF	D3977-97	SMP		
BDD-SWSF-100417-B	10/4/17 23:27	Th-234	-30	pCi/L	U	UF	EPA 901.1	SMP	150	250
BDD-SWSF-100417-B	10/4/17 23:27	Tl-208	0	pCi/L	U	UF	EPA 901.1	SMP	19	31
BDD-SWSF-100417-B	10/4/17 23:27	U-234	16.3	pCi/L	M3	10F	HASL-300	SMP	1.3	0.1
BDD-SWSF-100417-B	10/4/17 23:27	U-234	1.134	pCi/g		Dry Weight	HASL-300	SMP		0.093
BDD-SWSF-100417-B	10/4/17 23:27	U-235	0.88	pCi/L		10F	HASL-300	SMP	0.12	0.08
BDD-SWSF-100417-B	10/4/17 23:27	U-235	0.0512	pCi/g		Dry Weight	HASL-300	SMP		0.0082
BDD-SWSF-100417-B	10/4/17 23:27	U-238	16.3	pCi/L		10F	HASL-300	SMP	1.3	0
BDD-SWSF-100417-B	10/4/17 23:27	U-238	1.18	pCi/g		Dry Weight	HASL-300	SMP		0.096
BDD-SWSF-100417-C	10/4/17 23:58	Ac-228	39	pCi/L	U,D	UF	EPA 901.1	DUP	34	54
BDD-SWSF-100417-C	10/4/17 23:58	Ac-228	94	pCi/L	NQ	UF	EPA 901.1	SMP	38	56
BDD-SWSF-100417-C	10/4/17 23:58	Am-241	-0.033	pCi/L	U,M	10F	HASL-300	SMP	0.031	0.132
BDD-SWSF-100417-C	10/4/17 23:58	Am-241	-0.0191	pCi/g	U,M	Dry Weight	HASL-300	SMP		0.0066
BDD-SWSF-100417-C	10/4/17 23:58	Be-7	92	pCi/L	U	UF	EPA 901.1	DUP	92	149
BDD-SWSF-100417-C	10/4/17 23:58	Be-7	30	pCi/L	U	UF	EPA 901.1	SMP	110	180
BDD-SWSF-100417-C	10/4/17 23:58	Bi-212	-10	pCi/L	U	UF	EPA 901.1	DUP	120	210
BDD-SWSF-100417-C	10/4/17 23:58	Bi-212	110	pCi/L	U	UF	EPA 901.1	SMP	130	210
BDD-SWSF-100417-C	10/4/17 23:58	Bi-214	-7	pCi/L	U,D	UF	EPA 901.1	DUP	41	69
BDD-SWSF-100417-C	10/4/17 23:58	Bi-214	86	pCi/L		UF	EPA 901.1	SMP	44	69
BDD-SWSF-100417-C	10/4/17 23:58	Co-60	-6.5	pCi/L	U	UF	EPA 901.1	DUP	9.1	16.3
BDD-SWSF-100417-C	10/4/17 23:58	Co-60	-7	pCi/L	U	UF	EPA 901.1	SMP	12	20
BDD-SWSF-100417-C	10/4/17 23:58	Cs-134	-5.3	pCi/L	U,D	UF	EPA 901.1	DUP	8.2	14.3
BDD-SWSF-100417-C	10/4/17 23:58	Cs-134	12.6	pCi/L	U	UF	EPA 901.1	SMP	8.2	13
BDD-SWSF-100417-C	10/4/17 23:58	Cs-137	-1.9	pCi/L	U,M	UF	EPA 901.1	DUP	8.9	15.3
BDD-SWSF-100417-C	10/4/17 23:58	Cs-137	-9.1	pCi/L	U,M	UF	EPA 901.1	SMP	9.2	15.9

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-100417-C	10/4/17 23:58	Gross alpha	235	pCi/L	M3	UF	EPA 900.0	SMP	24	35
BDD-SWSF-100417-C	10/4/17 23:58	Gross beta	233	pCi/L	M3	UF	EPA 900.0	SMP	23	41
BDD-SWSF-100417-C	10/4/17 23:58	I-131	-10	pCi/L	U	UF	EPA 901.1	DUP	180	300
BDD-SWSF-100417-C	10/4/17 23:58	I-131	-40	pCi/L	U	UF	EPA 901.1	SMP	180	310
BDD-SWSF-100417-C	10/4/17 23:58	K-40	-190	pCi/L	U,D	UF	EPA 901.1	DUP	300	500
BDD-SWSF-100417-C	10/4/17 23:58	K-40	760	pCi/L		UF	EPA 901.1	SMP	260	380
BDD-SWSF-100417-C	10/4/17 23:58	Na-22	1.1	pCi/L	U	UF	EPA 901.1	DUP	9.5	16.2
BDD-SWSF-100417-C	10/4/17 23:58	Na-22	3	pCi/L	U	UF	EPA 901.1	SMP	11	19
BDD-SWSF-100417-C	10/4/17 23:58	Np-237	0.007	pCi/L	U	10F	HASL-300	SMP	0.024	0.093
BDD-SWSF-100417-C	10/4/17 23:58	Np-237	0.0026	pCi/g	U	Dry Weight	HASL-300	SMP		0.0041
BDD-SWSF-100417-C	10/4/17 23:58	Pa-234m	2700	pCi/L	D,NQ	UF	EPA 901.1	DUP	1500	2300
BDD-SWSF-100417-C	10/4/17 23:58	Pa-234m	0	pCi/L	U	UF	EPA 901.1	SMP	1600	2700
BDD-SWSF-100417-C	10/4/17 23:58	Pb-212	13	pCi/L	U	UF	EPA 901.1	DUP	27	45
BDD-SWSF-100417-C	10/4/17 23:58	Pb-212	13	pCi/L	U	UF	EPA 901.1	SMP	25	42
BDD-SWSF-100417-C	10/4/17 23:58	Pb-214	-24	pCi/L	U	UF	EPA 901.1	DUP	38	63
BDD-SWSF-100417-C	10/4/17 23:58	Pb-214	28	pCi/L	U	UF	EPA 901.1	SMP	32	53
BDD-SWSF-100417-C	10/4/17 23:58	Pu-238	0.049	pCi/L	U,M	10F	HASL-300	SMP	0.039	0.131
BDD-SWSF-100417-C	10/4/17 23:58	Pu-238	0.0058	pCi/g	U	Dry Weight	HASL-300	SMP		0.0035
BDD-SWSF-100417-C	10/4/17 23:58	Pu-239/240	0.171	pCi/L		10F	HASL-300	SMP	0.048	0.033
BDD-SWSF-100417-C	10/4/17 23:58	Pu-239/240	0.014	pCi/g	LT	Dry Weight	HASL-300	SMP		0.0048
BDD-SWSF-100417-C	10/4/17 23:58	Ra-226	14.4	pCi/L		UF	EPA 903.1	SMP	1.9	0.5
BDD-SWSF-100417-C	10/4/17 23:58	Ra-228	9.9	pCi/L	Y1,M3	UF	EPA 904.0	SMP	1.5	3.2
BDD-SWSF-100417-C	10/4/17 23:58	Sr-90	0.25	pCi/L	U,M	UF	ASTM 5811	SMP	0.34	1.13
BDD-SWSF-100417-C	10/4/17 23:58	SSC	8.555	g/L		UF	D3977-97	SMP		
BDD-SWSF-100417-C	10/4/17 23:58	Th-234	0	pCi/L	U	UF	EPA 901.1	DUP	260	440
BDD-SWSF-100417-C	10/4/17 23:58	Th-234	90	pCi/L	U	UF	EPA 901.1	SMP	280	510
BDD-SWSF-100417-C	10/4/17 23:58	Tl-208	3.9	pCi/L	U	UF	EPA 901.1	DUP	8.4	14
BDD-SWSF-100417-C	10/4/17 23:58	Tl-208	13	pCi/L	U	UF	EPA 901.1	SMP	17	29
BDD-SWSF-100417-C	10/4/17 23:58	U-234	15.2	pCi/L	M3	10F	HASL-300	SMP	1.2	0.1
BDD-SWSF-100417-C	10/4/17 23:58	U-234	1.13	pCi/g		Dry Weight	HASL-300	SMP		0.093
BDD-SWSF-100417-C	10/4/17 23:58	U-235	0.96	pCi/L		10F	HASL-300	SMP	0.12	0.03
BDD-SWSF-100417-C	10/4/17 23:58	U-235	0.0468	pCi/g	M3	Dry Weight	HASL-300	SMP		0.0083
BDD-SWSF-100417-C	10/4/17 23:58	U-238	16	pCi/L		10F	HASL-300	SMP	1.3	0.1
BDD-SWSF-100417-C	10/4/17 23:58	U-238	1.129	pCi/g		Dry Weight	HASL-300	SMP		0.092
BDD-SWSF-100417-D	10/5/17 0:40	Ac-228	-2	pCi/L	U	UF	EPA 901.1	SMP	68	114
BDD-SWSF-100417-D	10/5/17 0:40	Am-241	0.015	pCi/L	U,M	10F	HASL-300	SMP	0.035	0.128
BDD-SWSF-100417-D	10/5/17 0:40	Am-241	0.001	pCi/g	Y2,U,M	Dry Weight	HASL-300	SMP		0.014
BDD-SWSF-100417-D	10/5/17 0:40	Be-7	62	pCi/L	U	UF	EPA 901.1	SMP	83	136
BDD-SWSF-100417-D	10/5/17 0:40	Bi-212	100	pCi/L	U	UF	EPA 901.1	SMP	100	160
BDD-SWSF-100417-D	10/5/17 0:40	Bi-214	21	pCi/L	U	UF	EPA 901.1	SMP	39	64
BDD-SWSF-100417-D	10/5/17 0:40	Co-60	1.6	pCi/L	U	UF	EPA 901.1	SMP	7.8	13.2
BDD-SWSF-100417-D	10/5/17 0:40	Cs-134	-2.9	pCi/L	U	UF	EPA 901.1	SMP	7.8	13.3
BDD-SWSF-100417-D	10/5/17 0:40	Cs-137	-4.6	pCi/L	U,M	UF	EPA 901.1	SMP	7.1	12.4
BDD-SWSF-100417-D	10/5/17 0:40	Gross alpha	172	pCi/L	M3	UF	EPA 900.0	DUP	19	29
BDD-SWSF-100417-D	10/5/17 0:40	Gross alpha	171	pCi/L	M3	UF	EPA 900.0	SMP	18	28
BDD-SWSF-100417-D	10/5/17 0:40	Gross beta	177	pCi/L	M3	UF	EPA 900.0	DUP	20	43
BDD-SWSF-100417-D	10/5/17 0:40	Gross beta	193	pCi/L	M3	UF	EPA 900.0	SMP	21	41
BDD-SWSF-100417-D	10/5/17 0:40	I-131	-100	pCi/L	U	UF	EPA 901.1	SMP	130	230
BDD-SWSF-100417-D	10/5/17 0:40	K-40	120	pCi/L	U	UF	EPA 901.1	SMP	230	370
BDD-SWSF-100417-D	10/5/17 0:40	Na-22	-3.4	pCi/L	U	UF	EPA 901.1	SMP	8	14
BDD-SWSF-100417-D	10/5/17 0:40	Np-237	0.044	pCi/L	U	10F	HASL-300	SMP	0.025	0.068
BDD-SWSF-100417-D	10/5/17 0:40	Np-237	0.0214	pCi/g	LT	Dry Weight	HASL-300	SMP		0.0074
BDD-SWSF-100417-D	10/5/17 0:40	Pa-234m	600	pCi/L	U	UF	EPA 901.1	SMP	1300	2100
BDD-SWSF-100417-D	10/5/17 0:40	Pb-212	13	pCi/L	U	UF	EPA 901.1	SMP	24	40
BDD-SWSF-100417-D	10/5/17 0:40	Pb-214	9	pCi/L	U	UF	EPA 901.1	SMP	36	60

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-100417-D	10/5/17 0:40	Pu-238	0.05	pCi/L	U,M	10F	HASL-300	SMP	0.027	0.078
BDD-SWSF-100417-D	10/5/17 0:40	Pu-238	0.0066	pCi/g	U	Dry Weight	HASL-300	SMP		0.0032
BDD-SWSF-100417-D	10/5/17 0:40	Pu-239/240	0.159	pCi/L	M3	10F	HASL-300	SMP	0.04	0.061
BDD-SWSF-100417-D	10/5/17 0:40	Pu-239/240	0.0221	pCi/g		Dry Weight	HASL-300	SMP		0.0054
BDD-SWSF-100417-D	10/5/17 0:40	Ra-226	14.5	pCi/L		UF	EPA 903.1	SMP	1.9	0.7
BDD-SWSF-100417-D	10/5/17 0:40	Ra-228	10.9	pCi/L	M3	UF	EPA 904.0	SMP	1.6	3
BDD-SWSF-100417-D	10/5/17 0:40	Sr-90	0.28	pCi/L	U,M	UF	ASTM 5811	SMP	0.31	1.02
BDD-SWSF-100417-D	10/5/17 0:40	SSC	8.806	g/L		UF	D3977-97	SMP		
BDD-SWSF-100417-D	10/5/17 0:40	Th-234	150	pCi/L	U	UF	EPA 901.1	SMP	340	560
BDD-SWSF-100417-D	10/5/17 0:40	Tl-208	-2	pCi/L	U	UF	EPA 901.1	SMP	17	29
BDD-SWSF-100417-D	10/5/17 0:40	U-234	11.84	pCi/L		10F	HASL-300	SMP	0.96	0.09
BDD-SWSF-100417-D	10/5/17 0:40	U-234	1.031	pCi/g		Dry Weight	HASL-300	SMP		0.086
BDD-SWSF-100417-D	10/5/17 0:40	U-235	0.606	pCi/L		10F	HASL-300	SMP	0.086	0.023
BDD-SWSF-100417-D	10/5/17 0:40	U-235	0.0554	pCi/g		Dry Weight	HASL-300	SMP		0.0092
BDD-SWSF-100417-D	10/5/17 0:40	U-238	11.48	pCi/L		10F	HASL-300	SMP	0.93	0.05
BDD-SWSF-100417-D	10/5/17 0:40	U-238	1.115	pCi/g		Dry Weight	HASL-300	SMP		0.092
BDD-SWSF-100417-E	10/5/17 1:28	Ac-228	11	pCi/L	U	UF	EPA 901.1	SMP	85	142
BDD-SWSF-100417-E	10/5/17 1:28	Am-241	-0.022	pCi/L	U,M	10F	HASL-300	SMP	0.032	0.134
BDD-SWSF-100417-E	10/5/17 1:28	Am-241	-0.0054	pCi/g	U,M	Dry Weight	HASL-300	SMP		0.0061
BDD-SWSF-100417-E	10/5/17 1:28	Be-7	22	pCi/L	U	UF	EPA 901.1	SMP	84	141
BDD-SWSF-100417-E	10/5/17 1:28	Bi-212	-50	pCi/L	U	UF	EPA 901.1	SMP	110	200
BDD-SWSF-100417-E	10/5/17 1:28	Bi-214	-4	pCi/L	U	UF	EPA 901.1	SMP	34	57
BDD-SWSF-100417-E	10/5/17 1:28	Co-60	-4	pCi/L	U	UF	EPA 901.1	SMP	10	18
BDD-SWSF-100417-E	10/5/17 1:28	Cs-134	-1	pCi/L	U	UF	EPA 901.1	SMP	11	19
BDD-SWSF-100417-E	10/5/17 1:28	Cs-137	2.3	pCi/L	U,M	UF	EPA 901.1	SMP	8.4	14.2
BDD-SWSF-100417-E	10/5/17 1:28	Gross alpha	206	pCi/L	M3	UF	EPA 900.0	SMP	22	32
BDD-SWSF-100417-E	10/5/17 1:28	Gross beta	238	pCi/L	M3	UF	EPA 900.0	SMP	25	45
BDD-SWSF-100417-E	10/5/17 1:28	I-131	-60	pCi/L	U	UF	EPA 901.1	SMP	140	250
BDD-SWSF-100417-E	10/5/17 1:28	K-40	90	pCi/L	U	UF	EPA 901.1	SMP	260	430
BDD-SWSF-100417-E	10/5/17 1:28	Na-22	2	pCi/L	U	UF	EPA 901.1	SMP	11	18
BDD-SWSF-100417-E	10/5/17 1:28	Np-237	0.04	pCi/L	U	10F	HASL-300	SMP	0.023	0.062
BDD-SWSF-100417-E	10/5/17 1:28	Np-237	0.0085	pCi/g	U	Dry Weight	HASL-300	SMP		0.005
BDD-SWSF-100417-E	10/5/17 1:28	Pa-234m	1400	pCi/L	U	UF	EPA 901.1	SMP	1400	2300
BDD-SWSF-100417-E	10/5/17 1:28	Pb-212	11	pCi/L	U	UF	EPA 901.1	SMP	11	17
BDD-SWSF-100417-E	10/5/17 1:28	Pb-214	-10	pCi/L	U	UF	EPA 901.1	SMP	29	48
BDD-SWSF-100417-E	10/5/17 1:28	Pu-238	0.008	pCi/L	U,M	10F	HASL-300	SMP	0.02	0.077
BDD-SWSF-100417-E	10/5/17 1:28	Pu-238	0.0044	pCi/g	U	Dry Weight	HASL-300	SMP		0.0027
BDD-SWSF-100417-E	10/5/17 1:28	Pu-239/240	0.132	pCi/L	M3	10F	HASL-300	SMP	0.037	0.061
BDD-SWSF-100417-E	10/5/17 1:28	Pu-239/240	0.0109	pCi/g	LT	Dry Weight	HASL-300	SMP		0.0042
BDD-SWSF-100417-E	10/5/17 1:28	Ra-226	14.8	pCi/L		UF	EPA 903.1	SMP	2	0.7
BDD-SWSF-100417-E	10/5/17 1:28	Ra-228	9	pCi/L	Y1,M3	UF	EPA 904.0	SMP	1.4	3
BDD-SWSF-100417-E	10/5/17 1:28	Sr-90	-0.35	pCi/L	U,M	UF	ASTM 5811	SMP	0.32	1.06
BDD-SWSF-100417-E	10/5/17 1:28	SSC	9.274	g/L		UF	D3977-97	SMP		
BDD-SWSF-100417-E	10/5/17 1:28	Th-234	-140	pCi/L	U	UF	EPA 901.1	SMP	220	360
BDD-SWSF-100417-E	10/5/17 1:28	Tl-208	11.4	pCi/L	U	UF	EPA 901.1	SMP	8.3	13.3
BDD-SWSF-100417-E	10/5/17 1:28	U-234	13.4	pCi/L		10F	HASL-300	SMP	1.1	0
BDD-SWSF-100417-E	10/5/17 1:28	U-234	0.976	pCi/g	M3	Dry Weight	HASL-300	SMP		0.081
BDD-SWSF-100417-E	10/5/17 1:28	U-235	0.633	pCi/L		10F	HASL-300	SMP	0.089	0.076
BDD-SWSF-100417-E	10/5/17 1:28	U-235	0.0539	pCi/g		Dry Weight	HASL-300	SMP		0.0086
BDD-SWSF-100417-E	10/5/17 1:28	U-238	13	pCi/L		10F	HASL-300	SMP	1	0.1
BDD-SWSF-100417-E	10/5/17 1:28	U-238	1.062	pCi/g		Dry Weight	HASL-300	SMP		0.087
BDD-SWSF-100417-F	10/5/17 2:10	Ac-228	18	pCi/L	U	UF	EPA 901.1	SMP	27	44
BDD-SWSF-100417-F	10/5/17 2:10	Am-241	-0.022	pCi/L	U,M	10F	HASL-300	SMP	0.034	0.14
BDD-SWSF-100417-F	10/5/17 2:10	Am-241	-0.0081	pCi/g	U,M	Dry Weight	HASL-300	DUP		0.0055
BDD-SWSF-100417-F	10/5/17 2:10	Am-241	-0.0083	pCi/g	U,M	Dry Weight	HASL-300	SMP		0.0057

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-100417-F	10/5/17 2:10	Be-7	35	pCi/L	U	UF	EPA 901.1	SMP	78	130
BDD-SWSF-100417-F	10/5/17 2:10	Bi-212	37	pCi/L	U	UF	EPA 901.1	SMP	95	159
BDD-SWSF-100417-F	10/5/17 2:10	Bi-214	22	pCi/L	U	UF	EPA 901.1	SMP	24	50
BDD-SWSF-100417-F	10/5/17 2:10	Co-60	-6.2	pCi/L	U	UF	EPA 901.1	SMP	7.7	13.6
BDD-SWSF-100417-F	10/5/17 2:10	Cs-134	-1.2	pCi/L	U	UF	EPA 901.1	SMP	7.5	12.7
BDD-SWSF-100417-F	10/5/17 2:10	Cs-137	-3.5	pCi/L	U,M	UF	EPA 901.1	SMP	6.6	11.4
BDD-SWSF-100417-F	10/5/17 2:10	Gross alpha	121	pCi/L	M3	UF	EPA 900.0	SMP	15	31
BDD-SWSF-100417-F	10/5/17 2:10	Gross beta	153	pCi/L	M3	UF	EPA 900.0	SMP	19	43
BDD-SWSF-100417-F	10/5/17 2:10	I-131	-20	pCi/L	U	UF	EPA 901.1	SMP	130	220
BDD-SWSF-100417-F	10/5/17 2:10	K-40	140	pCi/L	U	UF	EPA 901.1	SMP	220	350
BDD-SWSF-100417-F	10/5/17 2:10	Na-22	2.5	pCi/L	U	UF	EPA 901.1	SMP	7.1	11.9
BDD-SWSF-100417-F	10/5/17 2:10	Np-237	0.037	pCi/L	U	10F	HASL-300	SMP	0.023	0.068
BDD-SWSF-100417-F	10/5/17 2:10	Np-237	0.0149	pCi/g	U	Dry Weight	HASL-300	DUP		0.0063
BDD-SWSF-100417-F	10/5/17 2:10	Np-237	-0.0038	pCi/g	U	Dry Weight	HASL-300	SMP		0.005
BDD-SWSF-100417-F	10/5/17 2:10	Pa-234m	500	pCi/L	U	UF	EPA 901.1	SMP	1200	1900
BDD-SWSF-100417-F	10/5/17 2:10	Pb-212	2	pCi/L	U	UF	EPA 901.1	SMP	23	39
BDD-SWSF-100417-F	10/5/17 2:10	Pb-214	5	pCi/L	U	UF	EPA 901.1	SMP	29	48
BDD-SWSF-100417-F	10/5/17 2:10	Pu-238	0.075	pCi/L		10F	HASL-300	SMP	0.024	0.02
BDD-SWSF-100417-F	10/5/17 2:10	Pu-238	0.0063	pCi/g	U	Dry Weight	HASL-300	DUP		0.0034
BDD-SWSF-100417-F	10/5/17 2:10	Pu-238	0.0082	pCi/g	U	Dry Weight	HASL-300	SMP		0.0036
BDD-SWSF-100417-F	10/5/17 2:10	Pu-239/240	0.082	pCi/L	M3	10F	HASL-300	SMP	0.028	0.055
BDD-SWSF-100417-F	10/5/17 2:10	Pu-239/240	0.0042	pCi/g	U	Dry Weight	HASL-300	DUP		0.0026
BDD-SWSF-100417-F	10/5/17 2:10	Pu-239/240	0.0105	pCi/g	U	Dry Weight	HASL-300	SMP		0.0046
BDD-SWSF-100417-F	10/5/17 2:10	Ra-226	11.3	pCi/L		UF	EPA 903.1	SMP	1.5	0.7
BDD-SWSF-100417-F	10/5/17 2:10	Ra-228	11	pCi/L	M3	UF	EPA 904.0	SMP	1.7	3.4
BDD-SWSF-100417-F	10/5/17 2:10	Sr-90	0.14	pCi/L	U	UF	ASTM 5811	SMP	0.27	0.91
BDD-SWSF-100417-F	10/5/17 2:10	SSC	9.982	g/L		UF	D3977-97	SMP		
BDD-SWSF-100417-F	10/5/17 2:10	Th-234	0	pCi/L	U	UF	EPA 901.1	SMP	340	560
BDD-SWSF-100417-F	10/5/17 2:10	Tl-208	8.5	pCi/L	U	UF	EPA 901.1	SMP	6.7	10.7
BDD-SWSF-100417-F	10/5/17 2:10	U-234	13.9	pCi/L		10F	HASL-300	SMP	1.1	0.1
BDD-SWSF-100417-F	10/5/17 2:10	U-234	0.816	pCi/g	M3	Dry Weight	HASL-300	DUP		0.069
BDD-SWSF-100417-F	10/5/17 2:10	U-234	0.82	pCi/g		Dry Weight	HASL-300	SMP		0.069
BDD-SWSF-100417-F	10/5/17 2:10	U-235	0.549	pCi/L		10F	HASL-300	SMP	0.081	0.061
BDD-SWSF-100417-F	10/5/17 2:10	U-235	0.0351	pCi/g	M3	Dry Weight	HASL-300	DUP		0.0072
BDD-SWSF-100417-F	10/5/17 2:10	U-235	0.0291	pCi/g		Dry Weight	HASL-300	SMP		0.0062
BDD-SWSF-100417-F	10/5/17 2:10	U-238	13.5	pCi/L		10F	HASL-300	SMP	1.1	0.1
BDD-SWSF-100417-F	10/5/17 2:10	U-238	0.898	pCi/g		Dry Weight	HASL-300	DUP		0.075
BDD-SWSF-100417-F	10/5/17 2:10	U-238	0.847	pCi/g	M3	Dry Weight	HASL-300	SMP		0.071
BDD-SWSF-100417-G	10/5/17 2:58	Am-241	-0.037	pCi/L	U,M	10F	HASL-300	SMP	0.042	0.173
BDD-SWSF-100417-G	10/5/17 2:58	Am-241	0.0014	pCi/g	U,M	Dry Weight	HASL-300	SMP		0.0072
BDD-SWSF-100417-G	10/5/17 2:58	Np-237	0.0277	pCi/g	LT	Dry Weight	HASL-300	SMP		0.0099
BDD-SWSF-100417-G	10/5/17 2:58	Pu-238	0.117	pCi/L	M3	10F	HASL-300	SMP	0.04	0.09
BDD-SWSF-100417-G	10/5/17 2:58	Pu-238	0.0011	pCi/g	U	Dry Weight	HASL-300	SMP		0.0034
BDD-SWSF-100417-G	10/5/17 2:58	Pu-239/240	0.068	pCi/L	U,M	10F	HASL-300	SMP	0.047	0.154
BDD-SWSF-100417-G	10/5/17 2:58	Pu-239/240	0.025	pCi/g		Dry Weight	HASL-300	SMP		0.0059
BDD-SWSF-100417-G	10/5/17 2:58	SSC	10.201	g/L		UF	D3977-97	SMP		
BDD-SWSF-100417-G	10/5/17 2:58	U-234	15.2	pCi/L		10F	HASL-300	SMP	1.2	0.1
BDD-SWSF-100417-G	10/5/17 2:58	U-234	1.79	pCi/g		Dry Weight	HASL-300	SMP		0.14
BDD-SWSF-100417-G	10/5/17 2:58	U-235	0.79	pCi/L		10F	HASL-300	SMP	0.11	0.03
BDD-SWSF-100417-G	10/5/17 2:58	U-235	0.096	pCi/g		Dry Weight	HASL-300	SMP		0.012
BDD-SWSF-100417-G	10/5/17 2:58	U-238	16.3	pCi/L		10F	HASL-300	SMP	1.3	0.1
BDD-SWSF-100417-G	10/5/17 2:58	U-238	1.74	pCi/g		Dry Weight	HASL-300	SMP		0.14
BDD-SWSF-100417-H	10/5/17 4:28	Am-241	-0.122	pCi/L	U,M	10F	HASL-300	SMP	0.081	0.355
BDD-SWSF-100417-H	10/5/17 4:28	Am-241	0.0028	pCi/g	Y2,U,M	Dry Weight	HASL-300	SMP		0.0078
BDD-SWSF-100417-H	10/5/17 4:28	Np-237	0.0138	pCi/g	LT	Dry Weight	HASL-300	SMP		0.0055

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWSF-100417-H	10/5/17 4:28	Pu-238	0.148	pCi/L	M3	10F	HASL-300	SMP	0.06	0.136
BDD-SWSF-100417-H	10/5/17 4:28	Pu-238	0.0025	pCi/g	U	Dry Weight	HASL-300	SMP		0.0031
BDD-SWSF-100417-H	10/5/17 4:28	Pu-239/240	0.129	pCi/L	M3	10F	HASL-300	SMP	0.05	0.05
BDD-SWSF-100417-H	10/5/17 4:28	Pu-239/240	0.0037	pCi/g	LT	Dry Weight	HASL-300	SMP		0.0031
BDD-SWSF-100417-H	10/5/17 4:28	SSC	21.935	g/L		UF	D3977-97	SMP		
BDD-SWSF-100417-H	10/5/17 4:28	U-234	51.6	pCi/L	M3	10F	HASL-300	SMP	4.1	0.2
BDD-SWSF-100417-H	10/5/17 4:28	U-234	2.16	pCi/g	M3	Dry Weight	HASL-300	SMP		0.17
BDD-SWSF-100417-H	10/5/17 4:28	U-235	2.76	pCi/L		10F	HASL-300	SMP	0.33	0.06
BDD-SWSF-100417-H	10/5/17 4:28	U-235	0.111	pCi/g		Dry Weight	HASL-300	SMP		0.014
BDD-SWSF-100417-H	10/5/17 4:28	U-238	53.2	pCi/L	M3	10F	HASL-300	SMP	4.2	0.2
BDD-SWSF-100417-H	10/5/17 4:28	U-238	2.16	pCi/g	M3	Dry Weight	HASL-300	SMP		0.17
BDD-SWSF-100417-I	10/5/17 5:58	Am-241	0.048	pCi/L	U,M	10F	HASL-300	SMP	0.071	0.252
BDD-SWSF-100417-I	10/5/17 5:58	Am-241	-0.0008	pCi/g	U,M	Dry Weight	HASL-300	SMP		0.0073
BDD-SWSF-100417-I	10/5/17 5:58	Np-237	0.0186	pCi/g	LT	Dry Weight	HASL-300	SMP		0.007
BDD-SWSF-100417-I	10/5/17 5:58	Pu-238	0.072	pCi/L	U,M	10F	HASL-300	SMP	0.044	0.134
BDD-SWSF-100417-I	10/5/17 5:58	Pu-238	0.0102	pCi/g	LT	Dry Weight	HASL-300	SMP		0.0033
BDD-SWSF-100417-I	10/5/17 5:58	Pu-239/240	0.188	pCi/L	M3	10F	HASL-300	SMP	0.061	0.134
BDD-SWSF-100417-I	10/5/17 5:58	Pu-239/240	0.0071	pCi/g	U	Dry Weight	HASL-300	SMP		0.0031
BDD-SWSF-100417-I	10/5/17 5:58	SSC	15.843	g/L		UF	D3977-97	SMP		
BDD-SWSF-100417-I	10/5/17 5:58	U-234	33.8	pCi/L	M3	10F	HASL-300	SMP	2.7	0.2
BDD-SWSF-100417-I	10/5/17 5:58	U-234	2.36	pCi/g		Dry Weight	HASL-300	SMP		0.19
BDD-SWSF-100417-I	10/5/17 5:58	U-235	1.19	pCi/L		10F	HASL-300	SMP	0.17	0.04
BDD-SWSF-100417-I	10/5/17 5:58	U-235	0.103	pCi/g		Dry Weight	HASL-300	SMP		0.013
BDD-SWSF-100417-I	10/5/17 5:58	U-238	33.7	pCi/L	M3	10F	HASL-300	SMP	2.7	0.2
BDD-SWSF-100417-I	10/5/17 5:58	U-238	2.34	pCi/g		Dry Weight	HASL-300	SMP		0.18
BDD-SWBF-103117-A	10/31/17 14:23	Ac-228	7.7	pCi/L	U	UF	EPA 901.1	SMP	8.7	16
BDD-SWBF-103117-A	10/31/17 14:23	Ac-228	19	pCi/L	U	UF	EPA 901.1	DUP	12	20
BDD-SWBF-103117-A	10/31/17 14:23	Am-241	-0.0109	pCi/L	U	UF	HASL-300	SMP	0.008	0.0343
BDD-SWBF-103117-A	10/31/17 14:23	Be-7	14	pCi/L	U	UF	EPA 901.1	DUP	25	41
BDD-SWBF-103117-A	10/31/17 14:23	Be-7	-5	pCi/L	U	UF	EPA 901.1	SMP	18	30
BDD-SWBF-103117-A	10/31/17 14:23	Bi-212	-13	pCi/L	U	UF	EPA 901.1	SMP	55	93
BDD-SWBF-103117-A	10/31/17 14:23	Bi-212	41	pCi/L	U	UF	EPA 901.1	DUP	41	66
BDD-SWBF-103117-A	10/31/17 14:23	Bi-214	11.7	pCi/L	D,NQ	UF	EPA 901.1	DUP	6.2	9.6
BDD-SWBF-103117-A	10/31/17 14:23	Bi-214	-4	pCi/L	U	UF	EPA 901.1	SMP	11	19
BDD-SWBF-103117-A	10/31/17 14:23	Co-60	-2.8	pCi/L	U	UF	EPA 901.1	SMP	2.4	4.3
BDD-SWBF-103117-A	10/31/17 14:23	Co-60	-0.7	pCi/L	U	UF	EPA 901.1	DUP	3.8	6.6
BDD-SWBF-103117-A	10/31/17 14:23	Cs-134	-5.5	pCi/L	U,D	UF	EPA 901.1	DUP	3	5.2
BDD-SWBF-103117-A	10/31/17 14:23	Cs-134	-0.8	pCi/L	U	UF	EPA 901.1	SMP	2.2	3.8
BDD-SWBF-103117-A	10/31/17 14:23	Cs-137	-0.1	pCi/L	U	UF	EPA 901.1	DUP	2.8	4.7
BDD-SWBF-103117-A	10/31/17 14:23	Cs-137	-1.3	pCi/L	U	UF	EPA 901.1	SMP	2.2	3.8
BDD-SWBF-103117-A	10/31/17 14:23	Gross alpha	2.44	pCi/L	LT	UF	EPA 900.0	DUP	0.41	1
BDD-SWBF-103117-A	10/31/17 14:23	Gross alpha	3.55	pCi/L		UF	EPA 900.0	SMP	0.51	1.09
BDD-SWBF-103117-A	10/31/17 14:23	Gross beta	3.41	pCi/L	LT	UF	EPA 900.0	DUP	0.44	1.06
BDD-SWBF-103117-A	10/31/17 14:23	Gross beta	4.49	pCi/L		UF	EPA 900.0	SMP	0.51	1.09
BDD-SWBF-103117-A	10/31/17 14:23	I-131	-0.7	pCi/L	U	UF	EPA 901.1	SMP	6.5	11.1
BDD-SWBF-103117-A	10/31/17 14:23	I-131	-1	pCi/L	U	UF	EPA 901.1	DUP	10	17
BDD-SWBF-103117-A	10/31/17 14:23	K-40	-6	pCi/L	U	UF	EPA 901.1	SMP	63	105
BDD-SWBF-103117-A	10/31/17 14:23	K-40	15	pCi/L	U	UF	EPA 901.1	DUP	96	160
BDD-SWBF-103117-A	10/31/17 14:23	Na-22	0	pCi/L	U	UF	EPA 901.1	SMP	2.6	4.4
BDD-SWBF-103117-A	10/31/17 14:23	Na-22	0.5	pCi/L	U	UF	EPA 901.1	DUP	3.7	6.3
BDD-SWBF-103117-A	10/31/17 14:23	Np-237	0.0019	pCi/L	U	UF	HASL-300	SMP	0.0045	0.0136
BDD-SWBF-103117-A	10/31/17 14:23	Pa-234m	380	pCi/L	U	UF	EPA 901.1	DUP	540	890
BDD-SWBF-103117-A	10/31/17 14:23	Pa-234m	450	pCi/L	U	UF	EPA 901.1	SMP	400	640
BDD-SWBF-103117-A	10/31/17 14:23	Pb-212	1.3	pCi/L	U	UF	EPA 901.1	DUP	7.9	13.1
BDD-SWBF-103117-A	10/31/17 14:23	Pb-212	0.3	pCi/L	U	UF	EPA 901.1	SMP	5.6	9.3

APPENDIX A - Analytical Results Radionuclides

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	TPU	MDC
BDD-SWBF-103117-A	10/31/17 14:23	Pb-214	4.2	pCi/L	U	UF	EPA 901.1	DUP	5.4	8.9
BDD-SWBF-103117-A	10/31/17 14:23	Pb-214	5.1	pCi/L	U	UF	EPA 901.1	SMP	4.4	7
BDD-SWBF-103117-A	10/31/17 14:23	Pu-238	0.0169	pCi/L	LT	UF	HASL-300	SMP	0.0068	0.0156
BDD-SWBF-103117-A	10/31/17 14:23	Pu-239/240	0.0063	pCi/L	U	UF	HASL-300	SMP	0.0052	0.0156
BDD-SWBF-103117-A	10/31/17 14:23	Ra-226	0.096	pCi/L	U	UF	EPA 903.1	SMP	0.055	0.169
BDD-SWBF-103117-A	10/31/17 14:23	Ra-228	0.09	pCi/L	U	UF	EPA 904.0	SMP	0.14	0.62
BDD-SWBF-103117-A	10/31/17 14:23	Sr-90	0.184	pCi/L	Y1,LT	UF	ASTM 5811	SMP	0.059	0.177
BDD-SWBF-103117-A	10/31/17 14:23	SSC	0.061	g/L		UF	D3977-97	SMP		
BDD-SWBF-103117-A	10/31/17 14:23	Th-234	2	pCi/L	U	UF	EPA 901.1	DUP	76	126
BDD-SWBF-103117-A	10/31/17 14:23	Th-234	9	pCi/L	U	UF	EPA 901.1	SMP	41	68
BDD-SWBF-103117-A	10/31/17 14:23	Tl-208	1.9	pCi/L	U	UF	EPA 901.1	DUP	4.5	7.4
BDD-SWBF-103117-A	10/31/17 14:23	Tl-208	0.4	pCi/L	U	UF	EPA 901.1	SMP	5.1	8.5
BDD-SWBF-103117-A	10/31/17 14:23	U-234	1.19	pCi/L		UF	HASL-300	SMP	0.1	0.03
BDD-SWBF-103117-A	10/31/17 14:23	U-235	0.051	pCi/L	LT	UF	HASL-300	SMP	0.012	0.016
BDD-SWBF-103117-A	10/31/17 14:23	U-238	0.671	pCi/L		UF	HASL-300	SMP	0.062	0.005

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWBF-061915-B	6/19/15 9:20	Aluminum	2100	ug/l		UF	EPA200.8	SMP	13	50
BDD-SWBF-061915-B-F	6/19/15 9:20	Aluminum	60	ug/l		F	EPA200.8	SMP	13	50
BDD-SWBF-061915-B-F	6/19/15 9:20	Aluminum	49.4	ug/l	J	F	EPA200.8	DUP	13.1	50
BDD-SWBF-061915-B	6/19/15 9:20	Antimony	0.3	ug/l	U	UF	EPA200.8	SMP	0.18	0.3
BDD-SWBF-061915-B-F	6/19/15 9:20	Antimony	0.3	ug/l	U	F	EPA200.8	DUP	0.179	0.3
BDD-SWBF-061915-B-F	6/19/15 9:20	Antimony	0.26	ug/l	J	F	EPA200.8	SMP	0.18	0.3
BDD-SWBF-061915-B	6/19/15 9:20	Arsenic	2.3	ug/l		UF	EPA200.8	SMP	0.35	2
BDD-SWBF-061915-B-F	6/19/15 9:20	Arsenic	1.89	ug/l	J	F	EPA200.8	DUP	0.348	2
BDD-SWBF-061915-B-F	6/19/15 9:20	Arsenic	1.2	ug/l	J	F	EPA200.8	SMP	0.35	2
BDD-SWBF-061915-B	6/19/15 9:20	Barium	75	ug/l		UF	EPA200.8	SMP	0.58	1
BDD-SWBF-061915-B-F	6/19/15 9:20	Barium	43.5	ug/l		F	EPA200.8	DUP	0.581	1
BDD-SWBF-061915-B-F	6/19/15 9:20	Barium	43	ug/l		F	EPA200.8	SMP	0.58	1
BDD-SWBF-061915-B	6/19/15 9:20	Beryllium	0.17	ug/l	J	UF	EPA200.8	SMP	0.13	0.5
BDD-SWBF-061915-B-F	6/19/15 9:20	Beryllium	0.5	ug/l	U	F	EPA200.8	DUP	0.131	0.5
BDD-SWBF-061915-B-F	6/19/15 9:20	Beryllium	0.5	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWBF-061915-B	6/19/15 9:20	Boron	26	ug/l	J	UF	EPA200.8	SMP	0.06	0.2
BDD-SWBF-061915-B-F	6/19/15 9:20	Boron	19.1	ug/l	J	F	EPA200.8	DUP	6.91	50
BDD-SWBF-061915-B-F	6/19/15 9:20	Boron	23	ug/l	J	F	EPA200.8	SMP	6.9	50
BDD-SWBF-061915-B	6/19/15 9:20	Cadmium	0.3	ug/l	U	UF	EPA200.8	SMP	0.18	0.3
BDD-SWBF-061915-B-F	6/19/15 9:20	Cadmium	0.3	ug/l	U	F	EPA200.8	DUP	0.177	0.3
BDD-SWBF-061915-B-F	6/19/15 9:20	Cadmium	0.3	ug/l	U	F	EPA200.8	SMP	0.18	0.3
BDD-SWBF-061915-B	6/19/15 9:20	Calcium	35000	ug/l		UF	EPA200.8	SMP	100	1000
BDD-SWBF-061915-B-F	6/19/15 9:20	Calcium	31700	ug/l		F	EPA200.8	DUP	100	1000
BDD-SWBF-061915-B-F	6/19/15 9:20	Calcium	32000	ug/l		F	EPA200.8	SMP	100	1000
BDD-SWBF-061915-B	6/19/15 9:20	Chromium	1.5	ug/l	J	UF	EPA200.8	SMP	0.6	10
BDD-SWBF-061915-B-F	6/19/15 9:20	Chromium	10	ug/l	U	F	EPA200.8	DUP	0.6	10
BDD-SWBF-061915-B-F	6/19/15 9:20	Chromium	10	ug/l	U	F	EPA200.8	SMP	0.6	10
BDD-SWBF-061915-B	6/19/15 9:20	Cobalt	1.2	ug/l		UF	EPA200.8	SMP	0.24	1
BDD-SWBF-061915-B-F	6/19/15 9:20	Cobalt	2.02	ug/l		F	EPA200.8	DUP	0.24	1
BDD-SWBF-061915-B-F	6/19/15 9:20	Cobalt	2.2	ug/l		F	EPA200.8	SMP	0.24	1
BDD-SWBF-061915-B	6/19/15 9:20	Copper	10	ug/l	U	UF	EPA200.8	SMP	3	10
BDD-SWBF-061915-B-F	6/19/15 9:20	Copper	10	ug/l	U	F	EPA200.8	DUP	3.05	10
BDD-SWBF-061915-B-F	6/19/15 9:20	Copper	10	ug/l	U	F	EPA200.8	SMP	3	10
BDD-SWBF-061915-B	6/19/15 9:20	Iron	2100	ug/l		UF	EPA200.8	SMP	25	100
BDD-SWBF-061915-B-F	6/19/15 9:20	Iron	144	ug/l		F	EPA200.8	DUP	24.7	100
BDD-SWBF-061915-B-F	6/19/15 9:20	Iron	91	ug/l	J	F	EPA200.8	SMP	25	100
BDD-SWBF-061915-B	6/19/15 9:20	Lead	3	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWBF-061915-B-F	6/19/15 9:20	Lead	0.21	ug/l	J	F	EPA200.8	DUP	0.13	0.5
BDD-SWBF-061915-B-F	6/19/15 9:20	Lead	0.16	ug/l	J	F	EPA200.8	SMP	0.13	0.5
BDD-SWBF-061915-B	6/19/15 9:20	Magnesium	5600	ug/l		UF	EPA200.8	SMP	45	100
BDD-SWBF-061915-B-F	6/19/15 9:20	Magnesium	4840	ug/l		F	EPA200.8	DUP	44.6	100
BDD-SWBF-061915-B-F	6/19/15 9:20	Magnesium	4800	ug/l		F	EPA200.8	SMP	45	100
BDD-SWBF-061915-B	6/19/15 9:20	Manganese	160	ug/l		UF	EPA200.8	SMP	0.7	2
BDD-SWBF-061915-B-F	6/19/15 9:20	Manganese	5.64	ug/l		F	EPA200.8	DUP	0.695	2
BDD-SWBF-061915-B-F	6/19/15 9:20	Manganese	5.9	ug/l		F	EPA200.8	SMP	0.7	2
BDD-SWBF-061915-B	6/19/15 9:20	Mercury	0.2	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWBF-061915-B-F	6/19/15 9:20	Mercury	0.2	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWBF-061915-B	6/19/15 9:20	Nickel	2.6	ug/l	J	UF	EPA200.8	SMP	2.4	5
BDD-SWBF-061915-B-F	6/19/15 9:20	Nickel	5	ug/l	U	F	EPA200.8	DUP	2.44	5
BDD-SWBF-061915-B-F	6/19/15 9:20	Nickel	5	ug/l	U	F	EPA200.8	SMP	2.4	5
BDD-SWBF-061915-B	6/19/15 9:20	Potassium	2500	ug/l		UF	EPA200.8	SMP	220	1000
BDD-SWBF-061915-B-F	6/19/15 9:20	Potassium	2150	ug/l		F	EPA200.8	DUP	220	1000
BDD-SWBF-061915-B-F	6/19/15 9:20	Potassium	2100	ug/l		F	EPA200.8	SMP	220	1000
BDD-SWBF-061915-B	6/19/15 9:20	Selenium	1	ug/l	U	UF	EPA200.8	SMP	0.68	1
BDD-SWBF-061915-B-F	6/19/15 9:20	Selenium	1	ug/l	U	F	EPA200.8	DUP	0.675	1
BDD-SWBF-061915-B-F	6/19/15 9:20	Selenium	1	ug/l	U	F	EPA200.8	SMP	0.68	1

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWBF-061915-B	6/19/15 9:20	Silver	0.05	ug/l	J	UF	EPA200.8	SMP	0.038	0.1
BDD-SWBF-061915-B-F	6/19/15 9:20	Silver	0.1	ug/l	U	F	EPA200.8	DUP	0.0379	0.1
BDD-SWBF-061915-B-F	6/19/15 9:20	Silver	0.1	ug/l	U	F	EPA200.8	SMP	0.038	0.1
BDD-SWBF-061915-B	6/19/15 9:20	Sodium	12000	ug/l		UF	EPA200.8	SMP	240	1000
BDD-SWBF-061915-B-F	6/19/15 9:20	Sodium	11300	ug/l		F	EPA200.8	DUP	245	1000
BDD-SWBF-061915-B-F	6/19/15 9:20	Sodium	11000	ug/l		F	EPA200.8	SMP	240	1000
BDD-SWBF-061915-B	6/19/15 9:20	Thallium	0.2	ug/l	U	UF	EPA200.8	SMP	0.04	0.2
BDD-SWBF-061915-B-F	6/19/15 9:20	Thallium	0.2	ug/l	U	F	EPA200.8	DUP	0.0402	0.2
BDD-SWBF-061915-B-F	6/19/15 9:20	Thallium	0.2	ug/l	U	F	EPA200.8	SMP	0.04	0.2
BDD-SWBF-061915-B	6/19/15 9:20	Uranium	1.2	ug/l		UF	EPA200.8	SMP	0.05	0.1
BDD-SWBF-061915-B-F	6/19/15 9:20	Uranium	1.13	ug/l		F	EPA200.8	DUP	0.0502	0.1
BDD-SWBF-061915-B-F	6/19/15 9:20	Uranium	1.1	ug/l		F	EPA200.8	SMP	0.05	0.1
BDD-SWBF-061915-B	6/19/15 9:20	Vanadium	5.7	ug/l		UF	EPA200.8	SMP	0.38	1
BDD-SWBF-061915-B-F	6/19/15 9:20	Vanadium	2.39	ug/l		F	EPA200.8	DUP	0.382	1
BDD-SWBF-061915-B-F	6/19/15 9:20	Vanadium	2.7	ug/l		F	EPA200.8	SMP	0.38	1
BDD-SWBF-061915-B	6/19/15 9:20	Zinc	22	ug/l		UF	EPA200.8	SMP	6.2	20
BDD-SWBF-061915-B-F	6/19/15 9:20	Zinc	20	ug/l	U	F	EPA200.8	DUP	6.21	20
BDD-SWBF-061915-B-F	6/19/15 9:20	Zinc	11	ug/l	J	F	EPA200.8	SMP	6.2	20
BDD-SWSF-070215-A	7/2/15 15:41	Aluminum	1850	ug/l		UF	EPA200.8	DUP	13.1	50
BDD-SWSF-070215-A	7/2/15 15:41	Aluminum	1800	ug/l		UF	EPA200.8	SMP	13	50
BDD-SWSF-070215-A-F	7/2/15 15:41	Aluminum	20.8	ug/l	J	F	EPA200.8	DUP	13.1	50
BDD-SWSF-070215-A-F	7/2/15 15:41	Aluminum	32	ug/l	J	F	EPA200.8	SMP	13	50
BDD-SWSF-070215-A	7/2/15 15:41	Antimony	0.29	ug/l	J	UF	EPA200.8	DUP	0.179	0.3
BDD-SWSF-070215-A	7/2/15 15:41	Antimony	0.27	ug/l	J	UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070215-A-F	7/2/15 15:41	Antimony	0.18	ug/l	J	F	EPA200.8	DUP	0.179	0.3
BDD-SWSF-070215-A-F	7/2/15 15:41	Antimony	0.22	ug/l	J	F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070215-A	7/2/15 15:41	Arsenic	2.19	ug/l		UF	EPA200.8	DUP	0.348	2
BDD-SWSF-070215-A	7/2/15 15:41	Arsenic	2.2	ug/l		UF	EPA200.8	SMP	0.35	2
BDD-SWSF-070215-A-F	7/2/15 15:41	Arsenic	1.85	ug/l	J	F	EPA200.8	DUP	0.348	2
BDD-SWSF-070215-A-F	7/2/15 15:41	Arsenic	1.3	ug/l	J	F	EPA200.8	SMP	0.35	2
BDD-SWSF-070215-A	7/2/15 15:41	Barium	74.4	ug/l		UF	EPA200.8	DUP	0.581	1
BDD-SWSF-070215-A	7/2/15 15:41	Barium	71	ug/l		UF	EPA200.8	SMP	0.58	1
BDD-SWSF-070215-A-F	7/2/15 15:41	Barium	42	ug/l		F	EPA200.8	DUP	0.581	1
BDD-SWSF-070215-A-F	7/2/15 15:41	Barium	43	ug/l		F	EPA200.8	SMP	0.58	1
BDD-SWSF-070215-A	7/2/15 15:41	Beryllium	0.5	ug/l	U	UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070215-A	7/2/15 15:41	Beryllium	0.131	ug/l	U	UF	EPA200.8	DUP	0.131	0.5
BDD-SWSF-070215-A-F	7/2/15 15:41	Beryllium	0.131	ug/l	U	F	EPA200.8	DUP	0.131	0.5
BDD-SWSF-070215-A-F	7/2/15 15:41	Beryllium	0.5	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070215-A	7/2/15 15:41	Boron	30.9	ug/l	J	UF	EPA200.8	DUP	6.91	50
BDD-SWSF-070215-A	7/2/15 15:41	Boron	58	ug/l		UF	EPA200.8	SMP	6.9	50
BDD-SWSF-070215-A-F	7/2/15 15:41	Boron	33.3	ug/l	J	F	EPA200.8	DUP	6.91	50
BDD-SWSF-070215-A-F	7/2/15 15:41	Boron	63	ug/l		F	EPA200.8	SMP	6.9	50
BDD-SWSF-070215-A	7/2/15 15:41	Cadmium	0.177	ug/l	U	UF	EPA200.8	DUP	0.177	0.3
BDD-SWSF-070215-A	7/2/15 15:41	Cadmium	0.3	ug/l	U	UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070215-A-F	7/2/15 15:41	Cadmium	0.177	ug/l	U	F	EPA200.8	DUP	0.177	0.3
BDD-SWSF-070215-A-F	7/2/15 15:41	Cadmium	0.3	ug/l	U	F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070215-A	7/2/15 15:41	Calcium	28700	ug/l		UF	EPA200.8	DUP	100	1000
BDD-SWSF-070215-A	7/2/15 15:41	Calcium	30000	ug/l		UF	EPA200.8	SMP	100	1000
BDD-SWSF-070215-A-F	7/2/15 15:41	Calcium	26400	ug/l		F	EPA200.8	DUP	100	1000
BDD-SWSF-070215-A-F	7/2/15 15:41	Calcium	25000	ug/l		F	EPA200.8	SMP	100	1000
BDD-SWSF-070215-A	7/2/15 15:41	Chromium	1.79	ug/l	J	UF	EPA200.8	DUP	0.6	10
BDD-SWSF-070215-A	7/2/15 15:41	Chromium	2	ug/l	J	UF	EPA200.8	SMP	0.6	10
BDD-SWSF-070215-A-F	7/2/15 15:41	Chromium	0.6	ug/l	U	F	EPA200.8	DUP	0.6	10
BDD-SWSF-070215-A-F	7/2/15 15:41	Chromium	0.76	ug/l	J	F	EPA200.8	SMP	0.6	10
BDD-SWSF-070215-A	7/2/15 15:41	Cobalt	1.02	ug/l		UF	EPA200.8	DUP	0.24	1
BDD-SWSF-070215-A	7/2/15 15:41	Cobalt	1.1	ug/l		UF	EPA200.8	SMP	0.24	1

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-070215-A-F	7/2/15 15:41	Cobalt	1.19	ug/l		F	EPA200.8	DUP	0.24	1
BDD-SWSF-070215-A-F	7/2/15 15:41	Cobalt	1.1	ug/l		F	EPA200.8	SMP	0.24	1
BDD-SWSF-070215-A	7/2/15 15:41	Copper	3.05	ug/l	U	UF	EPA200.8	DUP	3.05	10
BDD-SWSF-070215-A	7/2/15 15:41	Copper	10	ug/l	U	UF	EPA200.8	SMP	3	10
BDD-SWSF-070215-A-F	7/2/15 15:41	Copper	3.05	ug/l	U	F	EPA200.8	DUP	3.05	10
BDD-SWSF-070215-A-F	7/2/15 15:41	Copper	10	ug/l	U	F	EPA200.8	SMP	3	10
BDD-SWSF-070215-A	7/2/15 15:41	Iron	2080	ug/l		UF	EPA200.8	DUP	24.7	100
BDD-SWSF-070215-A	7/2/15 15:41	Iron	1700	ug/l		UF	EPA200.8	SMP	25	100
BDD-SWSF-070215-A-F	7/2/15 15:41	Iron	27.4	ug/l	J	F	EPA200.8	DUP	24.7	100
BDD-SWSF-070215-A-F	7/2/15 15:41	Iron	100	ug/l	U	F	EPA200.8	SMP	25	100
BDD-SWSF-070215-A	7/2/15 15:41	Lead	2.66	ug/l		UF	EPA200.8	DUP	0.13	0.5
BDD-SWSF-070215-A	7/2/15 15:41	Lead	2	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070215-A-F	7/2/15 15:41	Lead	0.13	ug/l	U	F	EPA200.8	DUP	0.13	0.5
BDD-SWSF-070215-A-F	7/2/15 15:41	Lead	0.5	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070215-A	7/2/15 15:41	Magnesium	5400	ug/l		UF	EPA200.8	SMP	45	100
BDD-SWSF-070215-A	7/2/15 15:41	Magnesium	4900	ug/l		UF	EPA200.8	DUP	44.6	100
BDD-SWSF-070215-A-F	7/2/15 15:41	Magnesium	4700	ug/l		F	EPA200.8	SMP	45	100
BDD-SWSF-070215-A-F	7/2/15 15:41	Magnesium	4390	ug/l		F	EPA200.8	DUP	44.6	100
BDD-SWSF-070215-A	7/2/15 15:41	Manganese	160	ug/l		UF	EPA200.8	SMP	0.7	2
BDD-SWSF-070215-A	7/2/15 15:41	Manganese	150	ug/l		UF	EPA200.8	DUP	0.695	2
BDD-SWSF-070215-A-F	7/2/15 15:41	Manganese	3	ug/l		F	EPA200.8	SMP	0.7	2
BDD-SWSF-070215-A-F	7/2/15 15:41	Manganese	2.37	ug/l		F	EPA200.8	DUP	0.695	2
BDD-SWSF-070215-A	7/2/15 15:41	Mercury	0.061	ug/l	J	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-070215-A-F	7/2/15 15:41	Mercury	0.06	ug/l	U	F	EPA245.1	DUP	0.06	0.2
BDD-SWSF-070215-A-F	7/2/15 15:41	Mercury	0.2	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-070215-A	7/2/15 15:41	Nickel	2.44	ug/l	U	UF	EPA200.8	DUP	2.44	5
BDD-SWSF-070215-A	7/2/15 15:41	Nickel	5	ug/l	U	UF	EPA200.8	SMP	2.4	5
BDD-SWSF-070215-A-F	7/2/15 15:41	Nickel	3.36	ug/l	J	F	EPA200.8	DUP	2.44	5
BDD-SWSF-070215-A-F	7/2/15 15:41	Nickel	5	ug/l	U	F	EPA200.8	SMP	2.4	5
BDD-SWSF-070215-A	7/2/15 15:41	Potassium	2300	ug/l		UF	EPA200.8	SMP	220	1000
BDD-SWSF-070215-A	7/2/15 15:41	Potassium	2160	ug/l		UF	EPA200.8	DUP	220	1000
BDD-SWSF-070215-A-F	7/2/15 15:41	Potassium	1800	ug/l		F	EPA200.8	SMP	220	1000
BDD-SWSF-070215-A-F	7/2/15 15:41	Potassium	1690	ug/l		F	EPA200.8	DUP	220	1000
BDD-SWSF-070215-A	7/2/15 15:41	Selenium	0.675	ug/l	U	UF	EPA200.8	DUP	0.675	1
BDD-SWSF-070215-A	7/2/15 15:41	Selenium	0.87	ug/l	J	UF	EPA200.8	SMP	0.68	1
BDD-SWSF-070215-A-F	7/2/15 15:41	Selenium	0.675	ug/l	U	F	EPA200.8	DUP	0.675	1
BDD-SWSF-070215-A-F	7/2/15 15:41	Selenium	1	ug/l	U	F	EPA200.8	SMP	0.68	1
BDD-SWSF-070215-A	7/2/15 15:41	Silver	0.0379	ug/l	U	UF	EPA200.8	DUP	0.0379	0.1
BDD-SWSF-070215-A	7/2/15 15:41	Silver	0.1	ug/l	U	UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-070215-A-F	7/2/15 15:41	Silver	0.0379	ug/l	U	F	EPA200.8	DUP	0.0379	0.1
BDD-SWSF-070215-A-F	7/2/15 15:41	Silver	0.1	ug/l	U	F	EPA200.8	SMP	0.038	0.1
BDD-SWSF-070215-A	7/2/15 15:41	Sodium	10700	ug/l		UF	EPA200.8	DUP	245	1000
BDD-SWSF-070215-A	7/2/15 15:41	Sodium	11000	ug/l		UF	EPA200.8	SMP	240	1000
BDD-SWSF-070215-A-F	7/2/15 15:41	Sodium	10800	ug/l		F	EPA200.8	DUP	245	1000
BDD-SWSF-070215-A-F	7/2/15 15:41	Sodium	11000	ug/l		F	EPA200.8	SMP	240	1000
BDD-SWSF-070215-A	7/2/15 15:41	Thallium	0.08	ug/l	J	UF	EPA200.8	SMP	0.04	0.2
BDD-SWSF-070215-A	7/2/15 15:41	Thallium	0.0402	ug/l	U	UF	EPA200.8	DUP	0.0402	0.2
BDD-SWSF-070215-A-F	7/2/15 15:41	Thallium	0.0402	ug/l	U	F	EPA200.8	DUP	0.0402	0.2
BDD-SWSF-070215-A-F	7/2/15 15:41	Thallium	0.08	ug/l	J	F	EPA200.8	SMP	0.04	0.2
BDD-SWSF-070215-A	7/2/15 15:41	Uranium	1.2	ug/l		UF	EPA200.8	DUP	0.0502	0.1
BDD-SWSF-070215-A	7/2/15 15:41	Uranium	1.2	ug/l		UF	EPA200.8	SMP	0.05	0.1
BDD-SWSF-070215-A-F	7/2/15 15:41	Uranium	1.11	ug/l		F	EPA200.8	DUP	0.0502	0.1
BDD-SWSF-070215-A-F	7/2/15 15:41	Uranium	1.1	ug/l		F	EPA200.8	SMP	0.05	0.1
BDD-SWSF-070215-A	7/2/15 15:41	Vanadium	4.8	ug/l		UF	EPA200.8	SMP	0.38	1
BDD-SWSF-070215-A	7/2/15 15:41	Vanadium	5.07	ug/l		UF	EPA200.8	DUP	0.382	1
BDD-SWSF-070215-A-F	7/2/15 15:41	Vanadium	2.61	ug/l		F	EPA200.8	DUP	0.382	1

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-070215-A-F	7/2/15 15:41	Vanadium	2.5	ug/l		F	EPA200.8	SMP	0.38	1
BDD-SWSF-070215-A	7/2/15 15:41	Zinc	6.21	ug/l	U	UF	EPA200.8	DUP	6.21	20
BDD-SWSF-070215-A	7/2/15 15:41	Zinc	20	ug/l	U	UF	EPA200.8	SMP	6.2	20
BDD-SWSF-070215-A-F	7/2/15 15:41	Zinc	0.17	ug/l	U	F	EPA200.8	DUP	0.06	0.2
BDD-SWSF-070215-A-F	7/2/15 15:41	Zinc	20	ug/l	U	F	EPA200.8	SMP	6.2	20
BDD-SWSF-070215-B	7/2/15 16:11	Aluminum	1600	ug/l		UF	EPA200.8	SMP	13	50
BDD-SWSF-070215-B-F	7/2/15 16:11	Aluminum	31	ug/l	J	F	EPA200.8	SMP	13	50
BDD-SWSF-070215-B	7/2/15 16:11	Antimony	0.18	ug/l	J	UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070215-B-F	7/2/15 16:11	Antimony	0.3	ug/l	U	F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070215-B	7/2/15 16:11	Arsenic	1.9	ug/l	J	UF	EPA200.8	SMP	0.35	2
BDD-SWSF-070215-B-F	7/2/15 16:11	Arsenic	1.5	ug/l	J	F	EPA200.8	SMP	0.35	2
BDD-SWSF-070215-B	7/2/15 16:11	Barium	67	ug/l		UF	EPA200.8	SMP	0.58	1
BDD-SWSF-070215-B-F	7/2/15 16:11	Barium	43	ug/l		F	EPA200.8	SMP	0.58	1
BDD-SWSF-070215-B	7/2/15 16:11	Beryllium	0.5	ug/l	U	UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070215-B-F	7/2/15 16:11	Beryllium	0.5	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070215-B	7/2/15 16:11	Boron	61	ug/l		UF	EPA200.8	SMP	6.9	50
BDD-SWSF-070215-B-F	7/2/15 16:11	Boron	39	ug/l	J	F	EPA200.8	SMP	6.9	50
BDD-SWSF-070215-B	7/2/15 16:11	Cadmium	0.3	ug/l	U	UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070215-B-F	7/2/15 16:11	Cadmium	0.3	ug/l	U	F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070215-B	7/2/15 16:11	Calcium	25000	ug/l		UF	EPA200.8	SMP	100	1000
BDD-SWSF-070215-B-F	7/2/15 16:11	Calcium	28000	ug/l		F	EPA200.8	SMP	100	1000
BDD-SWSF-070215-B	7/2/15 16:11	Chromium	1.4	ug/l	J	UF	EPA200.8	SMP	0.6	10
BDD-SWSF-070215-B-F	7/2/15 16:11	Chromium	10	ug/l	U	F	EPA200.8	SMP	0.6	10
BDD-SWSF-070215-B	7/2/15 16:11	Cobalt	0.82	ug/l	J	UF	EPA200.8	SMP	0.24	1
BDD-SWSF-070215-B-F	7/2/15 16:11	Cobalt	2	ug/l		F	EPA200.8	SMP	0.24	1
BDD-SWSF-070215-B	7/2/15 16:11	Copper	10	ug/l	U	UF	EPA200.8	SMP	3	10
BDD-SWSF-070215-B-F	7/2/15 16:11	Copper	10	ug/l	U	F	EPA200.8	SMP	3	10
BDD-SWSF-070215-B	7/2/15 16:11	Iron	1400	ug/l		UF	EPA200.8	SMP	25	100
BDD-SWSF-070215-B-F	7/2/15 16:11	Iron	100	ug/l	U	F	EPA200.8	SMP	25	100
BDD-SWSF-070215-B	7/2/15 16:11	Lead	2.1	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070215-B-F	7/2/15 16:11	Lead	0.5	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070215-B	7/2/15 16:11	Magnesium	4400	ug/l		UF	EPA200.8	SMP	45	100
BDD-SWSF-070215-B-F	7/2/15 16:11	Magnesium	4400	ug/l		F	EPA200.8	SMP	45	100
BDD-SWSF-070215-B	7/2/15 16:11	Manganese	130	ug/l		UF	EPA200.8	SMP	0.7	2
BDD-SWSF-070215-B-F	7/2/15 16:11	Manganese	3.6	ug/l		F	EPA200.8	SMP	0.7	2
BDD-SWSF-070215-B	7/2/15 16:11	Mercury	0.06	ug/l	U	UF	EPA245.1	DUP	0.06	0.2
BDD-SWSF-070215-B	7/2/15 16:11	Mercury	0.2	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-070215-B-F	7/2/15 16:11	Mercury	0.2	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-070215-B	7/2/15 16:11	Nickel	5.9	ug/l		UF	EPA200.8	SMP	2.4	5
BDD-SWSF-070215-B-F	7/2/15 16:11	Nickel	5	ug/l	U	F	EPA200.8	SMP	2.4	5
BDD-SWSF-070215-B	7/2/15 16:11	Potassium	2000	ug/l		UF	EPA200.8	SMP	220	1000
BDD-SWSF-070215-B-F	7/2/15 16:11	Potassium	1800	ug/l		F	EPA200.8	SMP	220	1000
BDD-SWSF-070215-B	7/2/15 16:11	Selenium	1	ug/l	U	UF	EPA200.8	SMP	0.68	1
BDD-SWSF-070215-B-F	7/2/15 16:11	Selenium	1	ug/l	U	F	EPA200.8	SMP	0.68	1
BDD-SWSF-070215-B	7/2/15 16:11	Silver	0.04	ug/l	J	UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-070215-B-F	7/2/15 16:11	Silver	0.1	ug/l	U	F	EPA200.8	SMP	0.038	0.1
BDD-SWSF-070215-B	7/2/15 16:11	Sodium	10000	ug/l		UF	EPA200.8	SMP	240	1000
BDD-SWSF-070215-B-F	7/2/15 16:11	Sodium	11000	ug/l		F	EPA200.8	SMP	240	1000
BDD-SWSF-070215-B	7/2/15 16:11	Thallium	0.12	ug/l	J	UF	EPA200.8	SMP	0.04	0.2
BDD-SWSF-070215-B-F	7/2/15 16:11	Thallium	0.2	ug/l	U	F	EPA200.8	SMP	0.04	0.2
BDD-SWSF-070215-B	7/2/15 16:11	Uranium	1.1	ug/l		UF	EPA200.8	SMP	0.05	0.1
BDD-SWSF-070215-B-F	7/2/15 16:11	Uranium	1.2	ug/l		F	EPA200.8	SMP	0.05	0.1
BDD-SWSF-070215-B	7/2/15 16:11	Vanadium	5	ug/l		UF	EPA200.8	SMP	0.38	1
BDD-SWSF-070215-B-F	7/2/15 16:11	Vanadium	2.8	ug/l		F	EPA200.8	SMP	0.38	1
BDD-SWSF-070215-B	7/2/15 16:11	Zinc	20	ug/l	U	UF	EPA200.8	SMP	6.2	20
BDD-SWSF-070215-B-F	7/2/15 16:11	Zinc	20	ug/l	U	F	EPA200.8	SMP	6.2	20

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-070215-C	7/2/15 16:41	Aluminum	1600	ug/l		UF	EPA200.8	SMP	13	50
BDD-SWSF-070215-C-F	7/2/15 16:41	Aluminum	30	ug/l	J	F	EPA200.8	SMP	13	50
BDD-SWSF-070215-C	7/2/15 16:41	Antimony	0.36	ug/l		UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070215-C-F	7/2/15 16:41	Antimony	0.3	ug/l	U	F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070215-C	7/2/15 16:41	Arsenic	2.1	ug/l		UF	EPA200.8	SMP	0.35	2
BDD-SWSF-070215-C-F	7/2/15 16:41	Arsenic	1.2	ug/l	J	F	EPA200.8	SMP	0.35	2
BDD-SWSF-070215-C	7/2/15 16:41	Barium	74	ug/l		UF	EPA200.8	SMP	0.58	1
BDD-SWSF-070215-C-F	7/2/15 16:41	Barium	42	ug/l		F	EPA200.8	SMP	0.58	1
BDD-SWSF-070215-C	7/2/15 16:41	Beryllium	0.5	ug/l	U	UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070215-C-F	7/2/15 16:41	Beryllium	0.5	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070215-C	7/2/15 16:41	Boron	35	ug/l	J	UF	EPA200.8	SMP	6.9	50
BDD-SWSF-070215-C-F	7/2/15 16:41	Boron	33	ug/l	J	F	EPA200.8	SMP	6.9	50
BDD-SWSF-070215-C	7/2/15 16:41	Cadmium	0.3	ug/l	U	UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070215-C-F	7/2/15 16:41	Cadmium	0.3	ug/l	U	F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070215-C	7/2/15 16:41	Calcium	27000	ug/l		UF	EPA200.8	SMP	100	1000
BDD-SWSF-070215-C-F	7/2/15 16:41	Calcium	24000	ug/l		F	EPA200.8	SMP	100	1000
BDD-SWSF-070215-C	7/2/15 16:41	Chromium	2	ug/l	J	UF	EPA200.8	SMP	0.6	10
BDD-SWSF-070215-C-F	7/2/15 16:41	Chromium	10	ug/l	U	F	EPA200.8	SMP	0.6	10
BDD-SWSF-070215-C	7/2/15 16:41	Cobalt	1	ug/l		UF	EPA200.8	SMP	0.24	1
BDD-SWSF-070215-C-F	7/2/15 16:41	Cobalt	0.78	ug/l	J	F	EPA200.8	SMP	0.24	1
BDD-SWSF-070215-C	7/2/15 16:41	Copper	10	ug/l	U	UF	EPA200.8	SMP	3	10
BDD-SWSF-070215-C-F	7/2/15 16:41	Copper	10	ug/l	U	F	EPA200.8	SMP	3	10
BDD-SWSF-070215-C	7/2/15 16:41	Iron	1600	ug/l		UF	EPA200.8	SMP	25	100
BDD-SWSF-070215-C-F	7/2/15 16:41	Iron	25	ug/l	J	F	EPA200.8	SMP	25	100
BDD-SWSF-070215-C	7/2/15 16:41	Lead	2.2	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070215-C-F	7/2/15 16:41	Lead	0.5	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070215-C	7/2/15 16:41	Magnesium	4700	ug/l		UF	EPA200.8	SMP	45	100
BDD-SWSF-070215-C-F	7/2/15 16:41	Magnesium	4400	ug/l		F	EPA200.8	SMP	45	100
BDD-SWSF-070215-C	7/2/15 16:41	Manganese	150	ug/l		UF	EPA200.8	SMP	0.7	2
BDD-SWSF-070215-C-F	7/2/15 16:41	Manganese	1.5	ug/l	J	F	EPA200.8	SMP	0.7	2
BDD-SWSF-070215-C	7/2/15 16:41	Mercury	0.2	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-070215-C-F	7/2/15 16:41	Mercury	0.2	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-070215-C	7/2/15 16:41	Nickel	3.9	ug/l	J	UF	EPA200.8	SMP	2.4	5
BDD-SWSF-070215-C-F	7/2/15 16:41	Nickel	5	ug/l	U	F	EPA200.8	SMP	2.4	5
BDD-SWSF-070215-C	7/2/15 16:41	Potassium	2400	ug/l		UF	EPA200.8	SMP	220	1000
BDD-SWSF-070215-C-F	7/2/15 16:41	Potassium	2100	ug/l		F	EPA200.8	SMP	220	1000
BDD-SWSF-070215-C	7/2/15 16:41	Selenium	1	ug/l	U	UF	EPA200.8	SMP	0.68	1
BDD-SWSF-070215-C-F	7/2/15 16:41	Selenium	1	ug/l	U	F	EPA200.8	SMP	0.68	1
BDD-SWSF-070215-C	7/2/15 16:41	Silver	0.1	ug/l	U	UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-070215-C-F	7/2/15 16:41	Silver	0.1	ug/l	U	F	EPA200.8	SMP	0.038	0.1
BDD-SWSF-070215-C	7/2/15 16:41	Sodium	11000	ug/l		UF	EPA200.8	SMP	240	1000
BDD-SWSF-070215-C-F	7/2/15 16:41	Sodium	11000	ug/l		F	EPA200.8	SMP	240	1000
BDD-SWSF-070215-C	7/2/15 16:41	Thallium	0.2	ug/l	U	UF	EPA200.8	SMP	0.04	0.2
BDD-SWSF-070215-C-F	7/2/15 16:41	Thallium	0.2	ug/l	U	F	EPA200.8	SMP	0.04	0.2
BDD-SWSF-070215-C	7/2/15 16:41	Uranium	1.3	ug/l		UF	EPA200.8	SMP	0.05	0.1
BDD-SWSF-070215-C-F	7/2/15 16:41	Uranium	1.1	ug/l		F	EPA200.8	SMP	0.05	0.1
BDD-SWSF-070215-C	7/2/15 16:41	Vanadium	5.4	ug/l		UF	EPA200.8	SMP	0.38	1
BDD-SWSF-070215-C-F	7/2/15 16:41	Vanadium	3.1	ug/l		F	EPA200.8	SMP	0.38	1
BDD-SWSF-070215-C	7/2/15 16:41	Zinc	20	ug/l	U	UF	EPA200.8	SMP	6.2	20
BDD-SWSF-070215-C-F	7/2/15 16:41	Zinc	20	ug/l	U	F	EPA200.8	SMP	6.2	20
BDD-SWSF-070215-D	7/2/15 17:41	Aluminum	3100	ug/l		UF	EPA200.8	SMP	13	50
BDD-SWSF-070215-D-F	7/2/15 17:41	Aluminum	33	ug/l	J	F	EPA200.8	SMP	13	50
BDD-SWSF-070215-D	7/2/15 17:41	Antimony	0.3	ug/l	U	UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070215-D-F	7/2/15 17:41	Antimony	0.3	ug/l	U	F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070215-D	7/2/15 17:41	Arsenic	2.3	ug/l		UF	EPA200.8	SMP	0.35	2
BDD-SWSF-070215-D-F	7/2/15 17:41	Arsenic	1.7	ug/l	J	F	EPA200.8	SMP	0.35	2

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-070215-D	7/2/15 17:41	Barium	90	ug/l		UF	EPA200.8	SMP	0.58	1
BDD-SWSF-070215-D-F	7/2/15 17:41	Barium	45	ug/l		F	EPA200.8	SMP	0.58	1
BDD-SWSF-070215-D	7/2/15 17:41	Beryllium	0.5	ug/l	U	UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070215-D-F	7/2/15 17:41	Beryllium	0.5	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070215-D	7/2/15 17:41	Boron	32	ug/l	J	UF	EPA200.8	SMP	6.9	50
BDD-SWSF-070215-D-F	7/2/15 17:41	Boron	29	ug/l	J	F	EPA200.8	SMP	6.9	50
BDD-SWSF-070215-D	7/2/15 17:41	Cadmium	0.3	ug/l	U	UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070215-D-F	7/2/15 17:41	Cadmium	0.3	ug/l	U	F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070215-D	7/2/15 17:41	Calcium	33000	ug/l		UF	EPA200.8	SMP	100	1000
BDD-SWSF-070215-D-F	7/2/15 17:41	Calcium	25000	ug/l		F	EPA200.8	SMP	100	1000
BDD-SWSF-070215-D	7/2/15 17:41	Chromium	2	ug/l	J	UF	EPA200.8	SMP	0.6	10
BDD-SWSF-070215-D-F	7/2/15 17:41	Chromium	10	ug/l	U	F	EPA200.8	SMP	0.6	10
BDD-SWSF-070215-D	7/2/15 17:41	Cobalt	1.8	ug/l		UF	EPA200.8	SMP	0.24	1
BDD-SWSF-070215-D-F	7/2/15 17:41	Cobalt	1.9	ug/l		F	EPA200.8	SMP	0.24	1
BDD-SWSF-070215-D	7/2/15 17:41	Copper	10	ug/l	U	UF	EPA200.8	SMP	3	10
BDD-SWSF-070215-D-F	7/2/15 17:41	Copper	10	ug/l	U	F	EPA200.8	SMP	3	10
BDD-SWSF-070215-D	7/2/15 17:41	Iron	2500	ug/l		UF	EPA200.8	SMP	25	100
BDD-SWSF-070215-D-F	7/2/15 17:41	Iron	100	ug/l	U	F	EPA200.8	SMP	25	100
BDD-SWSF-070215-D	7/2/15 17:41	Lead	4.5	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070215-D-F	7/2/15 17:41	Lead	0.5	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070215-D	7/2/15 17:41	Magnesium	5600	ug/l		UF	EPA200.8	SMP	45	100
BDD-SWSF-070215-D-F	7/2/15 17:41	Magnesium	4500	ug/l		F	EPA200.8	SMP	45	100
BDD-SWSF-070215-D	7/2/15 17:41	Manganese	190	ug/l		UF	EPA200.8	SMP	0.7	2
BDD-SWSF-070215-D-F	7/2/15 17:41	Manganese	3.7	ug/l		F	EPA200.8	SMP	0.7	2
BDD-SWSF-070215-D	7/2/15 17:41	Mercury	0.2	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-070215-D-F	7/2/15 17:41	Mercury	0.2	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-070215-D	7/2/15 17:41	Nickel	3	ug/l	J	UF	EPA200.8	SMP	2.4	5
BDD-SWSF-070215-D-F	7/2/15 17:41	Nickel	2.8	ug/l	J	F	EPA200.8	SMP	2.4	5
BDD-SWSF-070215-D	7/2/15 17:41	Potassium	2700	ug/l		UF	EPA200.8	SMP	220	1000
BDD-SWSF-070215-D-F	7/2/15 17:41	Potassium	2000	ug/l		F	EPA200.8	SMP	220	1000
BDD-SWSF-070215-D	7/2/15 17:41	Selenium	1	ug/l	U	UF	EPA200.8	SMP	0.68	1
BDD-SWSF-070215-D-F	7/2/15 17:41	Selenium	1	ug/l	U	F	EPA200.8	SMP	0.68	1
BDD-SWSF-070215-D	7/2/15 17:41	Silver	0.1	ug/l	U	UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-070215-D-F	7/2/15 17:41	Silver	0.1	ug/l	U	F	EPA200.8	SMP	0.038	0.1
BDD-SWSF-070215-D	7/2/15 17:41	Sodium	12000	ug/l		UF	EPA200.8	SMP	240	1000
BDD-SWSF-070215-D-F	7/2/15 17:41	Sodium	11000	ug/l		F	EPA200.8	SMP	240	1000
BDD-SWSF-070215-D	7/2/15 17:41	Thallium	0.06	ug/l	J	UF	EPA200.8	SMP	0.04	0.2
BDD-SWSF-070215-D-F	7/2/15 17:41	Thallium	0.2	ug/l	U	F	EPA200.8	SMP	0.04	0.2
BDD-SWSF-070215-D	7/2/15 17:41	Uranium	1.4	ug/l		UF	EPA200.8	SMP	0.05	0.1
BDD-SWSF-070215-D-F	7/2/15 17:41	Uranium	0.99	ug/l		F	EPA200.8	SMP	0.05	0.1
BDD-SWSF-070215-D	7/2/15 17:41	Vanadium	7.7	ug/l		UF	EPA200.8	SMP	0.38	1
BDD-SWSF-070215-D-F	7/2/15 17:41	Vanadium	2.8	ug/l		F	EPA200.8	SMP	0.38	1
BDD-SWSF-070215-D	7/2/15 17:41	Zinc	43	ug/l		UF	EPA200.8	SMP	6.2	20
BDD-SWSF-070215-D-F	7/2/15 17:41	Zinc	20	ug/l	U	F	EPA200.8	SMP	6.2	20
BDD-SWSF-070215-E	7/2/15 18:11	Aluminum	71000	ug/l		UF	EPA200.8	SMP	13	50
BDD-SWSF-070215-E-F	7/2/15 18:11	Aluminum	370	ug/l		F	EPA200.8	SMP	13	50
BDD-SWSF-070215-E	7/2/15 18:11	Antimony	0.47	ug/l		UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070215-E-F	7/2/15 18:11	Antimony	0.3	ug/l	U	F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070215-E	7/2/15 18:11	Arsenic	15	ug/l		UF	EPA200.8	SMP	0.35	2
BDD-SWSF-070215-E-F	7/2/15 18:11	Arsenic	3.1	ug/l		F	EPA200.8	SMP	0.35	2
BDD-SWSF-070215-E	7/2/15 18:11	Barium	1000	ug/l		UF	EPA200.8	SMP	0.58	1
BDD-SWSF-070215-E-F	7/2/15 18:11	Barium	54	ug/l		F	EPA200.8	SMP	0.58	1
BDD-SWSF-070215-E	7/2/15 18:11	Beryllium	7.6	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070215-E-F	7/2/15 18:11	Beryllium	0.5	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070215-E	7/2/15 18:11	Boron	53	ug/l		UF	EPA200.8	SMP	6.9	50
BDD-SWSF-070215-E-F	7/2/15 18:11	Boron	25	ug/l	J	F	EPA200.8	SMP	6.9	50

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-070215-E	7/2/15 18:11	Cadmium	1.5	ug/l		UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070215-E-F	7/2/15 18:11	Cadmium	0.3	ug/l	U	F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070215-E	7/2/15 18:11	Calcium	85000	ug/l		UF	EPA200.8	SMP	100	1000
BDD-SWSF-070215-E-F	7/2/15 18:11	Calcium	28000	ug/l		F	EPA200.8	SMP	100	1000
BDD-SWSF-070215-E	7/2/15 18:11	Chromium	42	ug/l		UF	EPA200.8	SMP	0.6	10
BDD-SWSF-070215-E-F	7/2/15 18:11	Chromium	0.64	ug/l	J	F	EPA200.8	SMP	0.6	10
BDD-SWSF-070215-E	7/2/15 18:11	Cobalt	31	ug/l		UF	EPA200.8	SMP	0.24	1
BDD-SWSF-070215-E-F	7/2/15 18:11	Cobalt	3.2	ug/l		F	EPA200.8	SMP	0.24	1
BDD-SWSF-070215-E	7/2/15 18:11	Copper	74	ug/l		UF	EPA200.8	SMP	3	10
BDD-SWSF-070215-E-F	7/2/15 18:11	Copper	10	ug/l	U	F	EPA200.8	SMP	3	10
BDD-SWSF-070215-E	7/2/15 18:11	Iron	57000	ug/l		UF	EPA200.8	SMP	25	100
BDD-SWSF-070215-E-F	7/2/15 18:11	Iron	260	ug/l		F	EPA200.8	SMP	25	100
BDD-SWSF-070215-E	7/2/15 18:11	Lead	110	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070215-E-F	7/2/15 18:11	Lead	0.25	ug/l	J	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070215-E	7/2/15 18:11	Magnesium	27000	ug/l		UF	EPA200.8	SMP	45	100
BDD-SWSF-070215-E-F	7/2/15 18:11	Magnesium	4200	ug/l		F	EPA200.8	SMP	45	100
BDD-SWSF-070215-E	7/2/15 18:11	Manganese	2900	ug/l		UF	EPA200.8	SMP	0.7	2
BDD-SWSF-070215-E-F	7/2/15 18:11	Manganese	19	ug/l		F	EPA200.8	SMP	0.7	2
BDD-SWSF-070215-E	7/2/15 18:11	Mercury	0.25	ug/l		UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-070215-E-F	7/2/15 18:11	Mercury	0.2	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-070215-E	7/2/15 18:11	Nickel	66	ug/l		UF	EPA200.8	SMP	2.4	5
BDD-SWSF-070215-E-F	7/2/15 18:11	Nickel	5	ug/l	U	F	EPA200.8	SMP	2.4	5
BDD-SWSF-070215-E	7/2/15 18:11	Potassium	17000	ug/l		UF	EPA200.8	SMP	220	1000
BDD-SWSF-070215-E-F	7/2/15 18:11	Potassium	2700	ug/l		F	EPA200.8	SMP	220	1000
BDD-SWSF-070215-E	7/2/15 18:11	Selenium	5.6	ug/l		UF	EPA200.8	SMP	0.68	1
BDD-SWSF-070215-E-F	7/2/15 18:11	Selenium	1	ug/l	U	F	EPA200.8	SMP	0.68	1
BDD-SWSF-070215-E	7/2/15 18:11	Silver	0.52	ug/l		UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-070215-E-F	7/2/15 18:11	Silver	0.1	ug/l	U	F	EPA200.8	SMP	0.038	0.1
BDD-SWSF-070215-E	7/2/15 18:11	Sodium	14000	ug/l		UF	EPA200.8	SMP	240	1000
BDD-SWSF-070215-E-F	7/2/15 18:11	Sodium	11000	ug/l		F	EPA200.8	SMP	240	1000
BDD-SWSF-070215-E	7/2/15 18:11	Thallium	1.2	ug/l		UF	EPA200.8	SMP	0.04	0.2
BDD-SWSF-070215-E-F	7/2/15 18:11	Thallium	0.2	ug/l	U	F	EPA200.8	SMP	0.04	0.2
BDD-SWSF-070215-E	7/2/15 18:11	Uranium	7.9	ug/l		UF	EPA200.8	SMP	0.05	0.1
BDD-SWSF-070215-E-F	7/2/15 18:11	Uranium	1.2	ug/l		F	EPA200.8	SMP	0.05	0.1
BDD-SWSF-070215-E	7/2/15 18:11	Vanadium	86	ug/l		UF	EPA200.8	SMP	0.38	1
BDD-SWSF-070215-E-F	7/2/15 18:11	Vanadium	3.9	ug/l		F	EPA200.8	SMP	0.38	1
BDD-SWSF-070215-E	7/2/15 18:11	Zinc	250	ug/l		UF	EPA200.8	SMP	6.2	20
BDD-SWSF-070215-E-F	7/2/15 18:11	Zinc	20	ug/l	U	F	EPA200.8	SMP	6.2	20
BDD-SWSF-070215-F	7/2/15 18:41	Aluminum	64000	ug/l		UF	EPA200.8	SMP	13	50
BDD-SWSF-070215-F-F	7/2/15 18:41	Aluminum	460	ug/l		F	EPA200.8	SMP	13	50
BDD-SWSF-070215-F	7/2/15 18:41	Antimony	0.32	ug/l		UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070215-F-F	7/2/15 18:41	Antimony	0.19	ug/l	J	F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070215-F	7/2/15 18:41	Arsenic	13	ug/l		UF	EPA200.8	SMP	0.35	2
BDD-SWSF-070215-F-F	7/2/15 18:41	Arsenic	1.7	ug/l	J	F	EPA200.8	SMP	0.35	2
BDD-SWSF-070215-F	7/2/15 18:41	Barium	940	ug/l		UF	EPA200.8	SMP	0.58	1
BDD-SWSF-070215-F-F	7/2/15 18:41	Barium	53	ug/l		F	EPA200.8	SMP	0.58	1
BDD-SWSF-070215-F	7/2/15 18:41	Beryllium	7.8	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070215-F-F	7/2/15 18:41	Beryllium	0.5	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070215-F	7/2/15 18:41	Boron	50	ug/l		UF	EPA200.8	SMP	6.9	50
BDD-SWSF-070215-F-F	7/2/15 18:41	Boron	24	ug/l	J	F	EPA200.8	SMP	6.9	50
BDD-SWSF-070215-F	7/2/15 18:41	Cadmium	1.3	ug/l		UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070215-F-F	7/2/15 18:41	Cadmium	0.3	ug/l	U	F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070215-F	7/2/15 18:41	Calcium	76000	ug/l		UF	EPA200.8	SMP	100	1000
BDD-SWSF-070215-F-F	7/2/15 18:41	Calcium	29000	ug/l		F	EPA200.8	SMP	100	1000
BDD-SWSF-070215-F	7/2/15 18:41	Chromium	34	ug/l		UF	EPA200.8	SMP	0.6	10
BDD-SWSF-070215-F-F	7/2/15 18:41	Chromium	10	ug/l	U	F	EPA200.8	SMP	0.6	10

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-070215-F	7/2/15 18:41	Cobalt	27	ug/l		UF	EPA200.8	SMP	0.24	1
BDD-SWSF-070215-F-F	7/2/15 18:41	Cobalt	3.7	ug/l		F	EPA200.8	SMP	0.24	1
BDD-SWSF-070215-F	7/2/15 18:41	Copper	64	ug/l		UF	EPA200.8	SMP	3	10
BDD-SWSF-070215-F-F	7/2/15 18:41	Copper	10	ug/l	U	F	EPA200.8	SMP	3	10
BDD-SWSF-070215-F	7/2/15 18:41	Iron	49000	ug/l		UF	EPA200.8	SMP	25	100
BDD-SWSF-070215-F-F	7/2/15 18:41	Iron	290	ug/l		F	EPA200.8	SMP	25	100
BDD-SWSF-070215-F	7/2/15 18:41	Lead	110	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070215-F-F	7/2/15 18:41	Lead	0.5	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070215-F	7/2/15 18:41	Magnesium	24000	ug/l		UF	EPA200.8	SMP	45	100
BDD-SWSF-070215-F-F	7/2/15 18:41	Magnesium	3800	ug/l		F	EPA200.8	SMP	45	100
BDD-SWSF-070215-F	7/2/15 18:41	Manganese	2800	ug/l		UF	EPA200.8	SMP	0.7	2
BDD-SWSF-070215-F-F	7/2/15 18:41	Manganese	21	ug/l		F	EPA200.8	SMP	0.7	2
BDD-SWSF-070215-F	7/2/15 18:41	Mercury	0.27	ug/l		UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-070215-F-F	7/2/15 18:41	Mercury	0.2	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-070215-F	7/2/15 18:41	Nickel	50	ug/l		UF	EPA200.8	SMP	2.4	5
BDD-SWSF-070215-F-F	7/2/15 18:41	Nickel	5	ug/l	U	F	EPA200.8	SMP	2.4	5
BDD-SWSF-070215-F	7/2/15 18:41	Potassium	15000	ug/l		UF	EPA200.8	SMP	220	1000
BDD-SWSF-070215-F-F	7/2/15 18:41	Potassium	2600	ug/l		F	EPA200.8	SMP	220	1000
BDD-SWSF-070215-F	7/2/15 18:41	Selenium	7.1	ug/l		UF	EPA200.8	SMP	0.68	1
BDD-SWSF-070215-F-F	7/2/15 18:41	Selenium	1	ug/l	U	F	EPA200.8	SMP	0.68	1
BDD-SWSF-070215-F	7/2/15 18:41	Silver	0.44	ug/l		UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-070215-F-F	7/2/15 18:41	Silver	0.1	ug/l	U	F	EPA200.8	SMP	0.038	0.1
BDD-SWSF-070215-F	7/2/15 18:41	Sodium	13000	ug/l		UF	EPA200.8	SMP	240	1000
BDD-SWSF-070215-F-F	7/2/15 18:41	Sodium	10000	ug/l		F	EPA200.8	SMP	240	1000
BDD-SWSF-070215-F	7/2/15 18:41	Thallium	1.2	ug/l		UF	EPA200.8	SMP	0.04	0.2
BDD-SWSF-070215-F-F	7/2/15 18:41	Thallium	0.05	ug/l	J	F	EPA200.8	SMP	0.04	0.2
BDD-SWSF-070215-F	7/2/15 18:41	Uranium	7.4	ug/l		UF	EPA200.8	SMP	0.05	0.1
BDD-SWSF-070215-F-F	7/2/15 18:41	Uranium	1	ug/l		F	EPA200.8	SMP	0.05	0.1
BDD-SWSF-070215-F	7/2/15 18:41	Vanadium	71	ug/l		UF	EPA200.8	SMP	0.38	1
BDD-SWSF-070215-F-F	7/2/15 18:41	Vanadium	3.4	ug/l		F	EPA200.8	SMP	0.38	1
BDD-SWSF-070215-F	7/2/15 18:41	Zinc	210	ug/l		UF	EPA200.8	SMP	6.2	20
BDD-SWSF-070215-F-F	7/2/15 18:41	Zinc	20	ug/l	U	F	EPA200.8	SMP	6.2	20
BDD-SWSF-070215-G	7/2/15 19:10	Aluminum	38000	ug/l		UF	EPA200.8	SMP	13	50
BDD-SWSF-070215-G-F	7/2/15 19:10	Aluminum	950	ug/l		F	EPA200.8	SMP	13	50
BDD-SWSF-070215-G	7/2/15 19:10	Antimony	0.21	ug/l	J	UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070215-G-F	7/2/15 19:10	Antimony	0.3	ug/l	J	F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070215-G	7/2/15 19:10	Arsenic	7	ug/l		UF	EPA200.8	SMP	0.35	2
BDD-SWSF-070215-G-F	7/2/15 19:10	Arsenic	1.8	ug/l	J	F	EPA200.8	SMP	0.35	2
BDD-SWSF-070215-G	7/2/15 19:10	Barium	520	ug/l		UF	EPA200.8	SMP	0.58	1
BDD-SWSF-070215-G-F	7/2/15 19:10	Barium	58	ug/l		F	EPA200.8	SMP	0.58	1
BDD-SWSF-070215-G	7/2/15 19:10	Beryllium	4.1	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070215-G-F	7/2/15 19:10	Beryllium	0.5	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070215-G	7/2/15 19:10	Boron	38	ug/l	J	UF	EPA200.8	SMP	6.9	50
BDD-SWSF-070215-G-F	7/2/15 19:10	Boron	23	ug/l	J	F	EPA200.8	SMP	6.9	50
BDD-SWSF-070215-G	7/2/15 19:10	Cadmium	1	ug/l		UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070215-G-F	7/2/15 19:10	Cadmium	0.3	ug/l	U	F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070215-G	7/2/15 19:10	Calcium	55000	ug/l		UF	EPA200.8	SMP	100	1000
BDD-SWSF-070215-G-F	7/2/15 19:10	Calcium	28000	ug/l		F	EPA200.8	SMP	100	1000
BDD-SWSF-070215-G	7/2/15 19:10	Chromium	19	ug/l		UF	EPA200.8	SMP	0.6	10
BDD-SWSF-070215-G-F	7/2/15 19:10	Chromium	0.6	ug/l	J	F	EPA200.8	SMP	0.6	10
BDD-SWSF-070215-G	7/2/15 19:10	Cobalt	15	ug/l		UF	EPA200.8	SMP	0.24	1
BDD-SWSF-070215-G-F	7/2/15 19:10	Cobalt	3.4	ug/l		F	EPA200.8	SMP	0.24	1
BDD-SWSF-070215-G	7/2/15 19:10	Copper	44	ug/l		UF	EPA200.8	SMP	3	10
BDD-SWSF-070215-G-F	7/2/15 19:10	Copper	10	ug/l	U	F	EPA200.8	SMP	3	10
BDD-SWSF-070215-G	7/2/15 19:10	Iron	27000	ug/l		UF	EPA200.8	SMP	25	100
BDD-SWSF-070215-G-F	7/2/15 19:10	Iron	630	ug/l		F	EPA200.8	SMP	25	100

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-070215-G	7/2/15 19:10	Lead	58	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070215-G-F	7/2/15 19:10	Lead	0.97	ug/l		F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070215-G	7/2/15 19:10	Magnesium	15000	ug/l		UF	EPA200.8	SMP	45	100
BDD-SWSF-070215-G-F	7/2/15 19:10	Magnesium	4300	ug/l		F	EPA200.8	SMP	45	100
BDD-SWSF-070215-G	7/2/15 19:10	Manganese	1500	ug/l		UF	EPA200.8	SMP	0.7	2
BDD-SWSF-070215-G-F	7/2/15 19:10	Manganese	37	ug/l		F	EPA200.8	SMP	0.7	2
BDD-SWSF-070215-G	7/2/15 19:10	Mercury	0.14	ug/l	J	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-070215-G-F	7/2/15 19:10	Mercury	0.2	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-070215-G	7/2/15 19:10	Nickel	29	ug/l		UF	EPA200.8	SMP	2.4	5
BDD-SWSF-070215-G-F	7/2/15 19:10	Nickel	5	ug/l	U	F	EPA200.8	SMP	2.4	5
BDD-SWSF-070215-G	7/2/15 19:10	Potassium	10000	ug/l		UF	EPA200.8	SMP	220	1000
BDD-SWSF-070215-G-F	7/2/15 19:10	Potassium	2700	ug/l		F	EPA200.8	SMP	220	1000
BDD-SWSF-070215-G	7/2/15 19:10	Selenium	2.7	ug/l		UF	EPA200.8	SMP	0.68	1
BDD-SWSF-070215-G-F	7/2/15 19:10	Selenium	1	ug/l	U	F	EPA200.8	SMP	0.68	1
BDD-SWSF-070215-G	7/2/15 19:10	Silver	0.2	ug/l		UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-070215-G-F	7/2/15 19:10	Silver	0.1	ug/l	U	F	EPA200.8	SMP	0.038	0.1
BDD-SWSF-070215-G	7/2/15 19:10	Sodium	13000	ug/l		UF	EPA200.8	SMP	240	1000
BDD-SWSF-070215-G-F	7/2/15 19:10	Sodium	11000	ug/l		F	EPA200.8	SMP	240	1000
BDD-SWSF-070215-G	7/2/15 19:10	Thallium	0.66	ug/l		UF	EPA200.8	SMP	0.04	0.2
BDD-SWSF-070215-G-F	7/2/15 19:10	Thallium	0.2	ug/l	U	F	EPA200.8	SMP	0.04	0.2
BDD-SWSF-070215-G	7/2/15 19:10	Uranium	4.6	ug/l		UF	EPA200.8	SMP	0.05	0.1
BDD-SWSF-070215-G-F	7/2/15 19:10	Uranium	1.2	ug/l		F	EPA200.8	SMP	0.05	0.1
BDD-SWSF-070215-G	7/2/15 19:10	Vanadium	42	ug/l		UF	EPA200.8	SMP	0.38	1
BDD-SWSF-070215-G-F	7/2/15 19:10	Vanadium	4.2	ug/l		F	EPA200.8	SMP	0.38	1
BDD-SWSF-070215-G	7/2/15 19:10	Zinc	140	ug/l		UF	EPA200.8	SMP	6.2	20
BDD-SWSF-070215-G-F	7/2/15 19:10	Zinc	20	ug/l	U	F	EPA200.8	SMP	6.2	20
BDD-SWSF-070715-A	7/7/15 6:09	Aluminum	77000	ug/l		UF	EPA200.8	SMP	13	50
BDD-SWSF-070715-A-F	7/7/15 6:09	Aluminum	1500	ug/l		F	EPA200.8	SMP	13	50
BDD-SWSF-070715-A	7/7/15 6:09	Antimony	0.3	ug/l	U	UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070715-A-F	7/7/15 6:09	Antimony	0.31	ug/l		F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070715-A	7/7/15 6:09	Arsenic	12	ug/l		UF	EPA200.8	SMP	0.35	2
BDD-SWSF-070715-A-F	7/7/15 6:09	Arsenic	2	ug/l	J	F	EPA200.8	SMP	0.35	2
BDD-SWSF-070715-A	7/7/15 6:09	Barium	1100	ug/l		UF	EPA200.8	SMP	0.58	1
BDD-SWSF-070715-A-F	7/7/15 6:09	Barium	75	ug/l		F	EPA200.8	SMP	0.58	1
BDD-SWSF-070715-A	7/7/15 6:09	Beryllium	5.4	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070715-A-F	7/7/15 6:09	Beryllium	0.5	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070715-A	7/7/15 6:09	Boron	64	ug/l		UF	EPA200.8	SMP	6.9	50
BDD-SWSF-070715-A-F	7/7/15 6:09	Boron	23	ug/l	J	F	EPA200.8	SMP	6.9	50
BDD-SWSF-070715-A	7/7/15 6:09	Cadmium	0.7	ug/l		UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070715-A-F	7/7/15 6:09	Cadmium	0.3	ug/l	U	F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070715-A	7/7/15 6:09	Calcium	200000	ug/l		UF	EPA200.8	SMP	100	1000
BDD-SWSF-070715-A-F	7/7/15 6:09	Calcium	29000	ug/l		F	EPA200.8	SMP	100	1000
BDD-SWSF-070715-A	7/7/15 6:09	Chromium	64	ug/l		UF	EPA200.8	SMP	0.6	10
BDD-SWSF-070715-A-F	7/7/15 6:09	Chromium	1	ug/l	J	F	EPA200.8	SMP	0.6	10
BDD-SWSF-070715-A	7/7/15 6:09	Cobalt	39	ug/l		UF	EPA200.8	SMP	0.24	1
BDD-SWSF-070715-A-F	7/7/15 6:09	Cobalt	3.9	ug/l		F	EPA200.8	SMP	0.24	1
BDD-SWSF-070715-A	7/7/15 6:09	Copper	85	ug/l		UF	EPA200.8	SMP	3	10
BDD-SWSF-070715-A-F	7/7/15 6:09	Copper	10	ug/l	U	F	EPA200.8	SMP	3	10
BDD-SWSF-070715-A	7/7/15 6:09	Iron	60000	ug/l		UF	EPA200.8	SMP	25	100
BDD-SWSF-070715-A-F	7/7/15 6:09	Iron	1300	ug/l		F	EPA200.8	SMP	25	100
BDD-SWSF-070715-A	7/7/15 6:09	Lead	57	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070715-A-F	7/7/15 6:09	Lead	3.6	ug/l		F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070715-A	7/7/15 6:09	Magnesium	46000	ug/l		UF	EPA200.8	SMP	45	100
BDD-SWSF-070715-A-F	7/7/15 6:09	Magnesium	3500	ug/l		F	EPA200.8	SMP	45	100
BDD-SWSF-070715-A	7/7/15 6:09	Manganese	2400	ug/l		UF	EPA200.8	SMP	0.7	2
BDD-SWSF-070715-A-F	7/7/15 6:09	Manganese	74	ug/l		F	EPA200.8	SMP	0.7	2

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-070715-A	7/7/15 6:09	Mercury	0.086	ug/l	J	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-070715-A-F	7/7/15 6:09	Mercury	0.2	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-070715-A	7/7/15 6:09	Nickel	88	ug/l		UF	EPA200.8	SMP	2.4	5
BDD-SWSF-070715-A-F	7/7/15 6:09	Nickel	4.8	ug/l	J	F	EPA200.8	SMP	2.4	5
BDD-SWSF-070715-A	7/7/15 6:09	Potassium	23000	ug/l		UF	EPA200.8	SMP	220	1000
BDD-SWSF-070715-A-F	7/7/15 6:09	Potassium	3000	ug/l		F	EPA200.8	SMP	220	1000
BDD-SWSF-070715-A	7/7/15 6:09	Selenium	5.8	ug/l		UF	EPA200.8	SMP	0.68	1
BDD-SWSF-070715-A-F	7/7/15 6:09	Selenium	1	ug/l	U	F	EPA200.8	SMP	0.68	1
BDD-SWSF-070715-A	7/7/15 6:09	Silver	0.21	ug/l		UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-070715-A-F	7/7/15 6:09	Silver	0.1	ug/l	U	F	EPA200.8	SMP	0.038	0.1
BDD-SWSF-070715-A	7/7/15 6:09	Sodium	14000	ug/l		UF	EPA200.8	SMP	240	1000
BDD-SWSF-070715-A-F	7/7/15 6:09	Sodium	11000	ug/l		F	EPA200.8	SMP	240	1000
BDD-SWSF-070715-A	7/7/15 6:09	Thallium	0.99	ug/l		UF	EPA200.8	SMP	0.04	0.2
BDD-SWSF-070715-A-F	7/7/15 6:09	Thallium	0.06	ug/l	J	F	EPA200.8	SMP	0.04	0.2
BDD-SWSF-070715-A	7/7/15 6:09	Uranium	21	ug/l		UF	EPA200.8	SMP	0.05	0.1
BDD-SWSF-070715-A-F	7/7/15 6:09	Uranium	2.7	ug/l		F	EPA200.8	SMP	0.05	0.1
BDD-SWSF-070715-A	7/7/15 6:09	Vanadium	97	ug/l		UF	EPA200.8	SMP	0.38	1
BDD-SWSF-070715-A-F	7/7/15 6:09	Vanadium	7.2	ug/l		F	EPA200.8	SMP	0.38	1
BDD-SWSF-070715-A	7/7/15 6:09	Zinc	250	ug/l		UF	EPA200.8	SMP	6.2	20
BDD-SWSF-070715-A-F	7/7/15 6:09	Zinc	20	ug/l	U	F	EPA200.8	SMP	6.2	20
BDD-SWSF-070715-B	7/7/15 6:39	Aluminum	67000	ug/l		UF	EPA200.8	SMP	13	50
BDD-SWSF-070715-B-F	7/7/15 6:39	Aluminum	1200	ug/l		F	EPA200.8	SMP	13	50
BDD-SWSF-070715-B	7/7/15 6:39	Antimony	0.3	ug/l	U	UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070715-B-F	7/7/15 6:39	Antimony	0.3	ug/l	U	F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070715-B	7/7/15 6:39	Arsenic	10	ug/l		UF	EPA200.8	SMP	0.35	2
BDD-SWSF-070715-B-F	7/7/15 6:39	Arsenic	2.2	ug/l		F	EPA200.8	SMP	0.35	2
BDD-SWSF-070715-B	7/7/15 6:39	Barium	940	ug/l		UF	EPA200.8	SMP	0.58	1
BDD-SWSF-070715-B-F	7/7/15 6:39	Barium	74	ug/l		F	EPA200.8	SMP	0.58	1
BDD-SWSF-070715-B	7/7/15 6:39	Beryllium	4.7	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070715-B-F	7/7/15 6:39	Beryllium	0.5	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070715-B	7/7/15 6:39	Boron	58	ug/l		UF	EPA200.8	SMP	6.9	50
BDD-SWSF-070715-B-F	7/7/15 6:39	Boron	20	ug/l	J	F	EPA200.8	SMP	6.9	50
BDD-SWSF-070715-B	7/7/15 6:39	Cadmium	0.57	ug/l		UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070715-B-F	7/7/15 6:39	Cadmium	0.3	ug/l	U	F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070715-B	7/7/15 6:39	Calcium	170000	ug/l		UF	EPA200.8	SMP	100	1000
BDD-SWSF-070715-B-F	7/7/15 6:39	Calcium	28000	ug/l		F	EPA200.8	SMP	100	1000
BDD-SWSF-070715-B	7/7/15 6:39	Chromium	53	ug/l		UF	EPA200.8	SMP	0.6	10
BDD-SWSF-070715-B-F	7/7/15 6:39	Chromium	1.5	ug/l	J	F	EPA200.8	SMP	0.6	10
BDD-SWSF-070715-B	7/7/15 6:39	Cobalt	33	ug/l		UF	EPA200.8	SMP	0.24	1
BDD-SWSF-070715-B-F	7/7/15 6:39	Cobalt	3.4	ug/l		F	EPA200.8	SMP	0.24	1
BDD-SWSF-070715-B	7/7/15 6:39	Copper	52	ug/l		UF	EPA200.8	SMP	3	10
BDD-SWSF-070715-B-F	7/7/15 6:39	Copper	10	ug/l	U	F	EPA200.8	SMP	3	10
BDD-SWSF-070715-B	7/7/15 6:39	Iron	50000	ug/l		UF	EPA200.8	SMP	25	100
BDD-SWSF-070715-B-F	7/7/15 6:39	Iron	980	ug/l		F	EPA200.8	SMP	25	100
BDD-SWSF-070715-B	7/7/15 6:39	Lead	47	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070715-B-F	7/7/15 6:39	Lead	0.45	ug/l	J	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070715-B	7/7/15 6:39	Magnesium	38000	ug/l		UF	EPA200.8	SMP	45	100
BDD-SWSF-070715-B-F	7/7/15 6:39	Magnesium	3600	ug/l		F	EPA200.8	SMP	45	100
BDD-SWSF-070715-B	7/7/15 6:39	Manganese	2000	ug/l		UF	EPA200.8	SMP	0.7	2
BDD-SWSF-070715-B-F	7/7/15 6:39	Manganese	39	ug/l		F	EPA200.8	SMP	0.7	2
BDD-SWSF-070715-B	7/7/15 6:39	Mercury	0.062	ug/l	J	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-070715-B-F	7/7/15 6:39	Mercury	0.2	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-070715-B	7/7/15 6:39	Nickel	68	ug/l		UF	EPA200.8	SMP	2.4	5
BDD-SWSF-070715-B-F	7/7/15 6:39	Nickel	5	ug/l	U	F	EPA200.8	SMP	2.4	5
BDD-SWSF-070715-B	7/7/15 6:39	Potassium	20000	ug/l		UF	EPA200.8	SMP	220	1000
BDD-SWSF-070715-B-F	7/7/15 6:39	Potassium	2600	ug/l		F	EPA200.8	SMP	220	1000

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-070715-B	7/7/15 6:39	Selenium	3.7	ug/l		UF	EPA200.8	SMP	0.68	1
BDD-SWSF-070715-B-F	7/7/15 6:39	Selenium	1	ug/l	U	F	EPA200.8	SMP	0.68	1
BDD-SWSF-070715-B	7/7/15 6:39	Silver	0.31	ug/l		UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-070715-B-F	7/7/15 6:39	Silver	0.1	ug/l	U	F	EPA200.8	SMP	0.038	0.1
BDD-SWSF-070715-B	7/7/15 6:39	Sodium	14000	ug/l		UF	EPA200.8	SMP	240	1000
BDD-SWSF-070715-B-F	7/7/15 6:39	Sodium	12000	ug/l		F	EPA200.8	SMP	240	1000
BDD-SWSF-070715-B	7/7/15 6:39	Thallium	0.82	ug/l		UF	EPA200.8	SMP	0.04	0.2
BDD-SWSF-070715-B-F	7/7/15 6:39	Thallium	0.2	ug/l	U	F	EPA200.8	SMP	0.04	0.2
BDD-SWSF-070715-B	7/7/15 6:39	Uranium	14	ug/l		UF	EPA200.8	SMP	0.05	0.1
BDD-SWSF-070715-B-F	7/7/15 6:39	Uranium	2.2	ug/l		F	EPA200.8	SMP	0.05	0.1
BDD-SWSF-070715-B	7/7/15 6:39	Vanadium	90	ug/l		UF	EPA200.8	SMP	0.38	1
BDD-SWSF-070715-B-F	7/7/15 6:39	Vanadium	7.7	ug/l		F	EPA200.8	SMP	0.38	1
BDD-SWSF-070715-B	7/7/15 6:39	Zinc	190	ug/l		UF	EPA200.8	SMP	6.2	20
BDD-SWSF-070715-B-F	7/7/15 6:39	Zinc	20	ug/l	U	F	EPA200.8	SMP	6.2	20
BDD-SWSF-070715-C	7/7/15 7:09	Aluminum	54000	ug/l		UF	EPA200.8	SMP	13	50
BDD-SWSF-070715-C-F	7/7/15 7:09	Aluminum	870	ug/l		F	EPA200.8	SMP	13	50
BDD-SWSF-070715-C	7/7/15 7:09	Antimony	0.3	ug/l	U	UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070715-C-F	7/7/15 7:09	Antimony	0.32	ug/l		F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070715-C	7/7/15 7:09	Arsenic	7.8	ug/l		UF	EPA200.8	SMP	0.35	2
BDD-SWSF-070715-C-F	7/7/15 7:09	Arsenic	1.7	ug/l	J	F	EPA200.8	SMP	0.35	2
BDD-SWSF-070715-C	7/7/15 7:09	Barium	780	ug/l		UF	EPA200.8	SMP	0.58	1
BDD-SWSF-070715-C-F	7/7/15 7:09	Barium	67	ug/l		F	EPA200.8	SMP	0.58	1
BDD-SWSF-070715-C	7/7/15 7:09	Beryllium	3.8	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070715-C-F	7/7/15 7:09	Beryllium	0.5	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070715-C	7/7/15 7:09	Boron	48	ug/l	J	UF	EPA200.8	SMP	6.9	50
BDD-SWSF-070715-C-F	7/7/15 7:09	Boron	20	ug/l	J	F	EPA200.8	SMP	6.9	50
BDD-SWSF-070715-C	7/7/15 7:09	Cadmium	0.65	ug/l		UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070715-C-F	7/7/15 7:09	Cadmium	0.3	ug/l	U	F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070715-C	7/7/15 7:09	Calcium	130000	ug/l		UF	EPA200.8	SMP	100	1000
BDD-SWSF-070715-C-F	7/7/15 7:09	Calcium	27000	ug/l		F	EPA200.8	SMP	100	1000
BDD-SWSF-070715-C	7/7/15 7:09	Chromium	40	ug/l		UF	EPA200.8	SMP	0.6	10
BDD-SWSF-070715-C-F	7/7/15 7:09	Chromium	0.63	ug/l	J	F	EPA200.8	SMP	0.6	10
BDD-SWSF-070715-C	7/7/15 7:09	Cobalt	26	ug/l		UF	EPA200.8	SMP	0.24	1
BDD-SWSF-070715-C-F	7/7/15 7:09	Cobalt	3.8	ug/l		F	EPA200.8	SMP	0.24	1
BDD-SWSF-070715-C	7/7/15 7:09	Copper	36	ug/l		UF	EPA200.8	SMP	3	10
BDD-SWSF-070715-C-F	7/7/15 7:09	Copper	10	ug/l	U	F	EPA200.8	SMP	3	10
BDD-SWSF-070715-C	7/7/15 7:09	Iron	39000	ug/l		UF	EPA200.8	SMP	25	100
BDD-SWSF-070715-C-F	7/7/15 7:09	Iron	600	ug/l		F	EPA200.8	SMP	25	100
BDD-SWSF-070715-C	7/7/15 7:09	Lead	39	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070715-C-F	7/7/15 7:09	Lead	0.18	ug/l	J	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070715-C	7/7/15 7:09	Magnesium	30000	ug/l		UF	EPA200.8	SMP	45	100
BDD-SWSF-070715-C-F	7/7/15 7:09	Magnesium	4000	ug/l		F	EPA200.8	SMP	45	100
BDD-SWSF-070715-C	7/7/15 7:09	Manganese	1700	ug/l		UF	EPA200.8	SMP	0.7	2
BDD-SWSF-070715-C-F	7/7/15 7:09	Manganese	29	ug/l		F	EPA200.8	SMP	0.7	2
BDD-SWSF-070715-C	7/7/15 7:09	Mercury	0.2	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-070715-C-F	7/7/15 7:09	Mercury	0.2	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-070715-C	7/7/15 7:09	Nickel	52	ug/l		UF	EPA200.8	SMP	2.4	5
BDD-SWSF-070715-C-F	7/7/15 7:09	Nickel	5	ug/l	U	F	EPA200.8	SMP	2.4	5
BDD-SWSF-070715-C	7/7/15 7:09	Potassium	15000	ug/l		UF	EPA200.8	SMP	220	1000
BDD-SWSF-070715-C-F	7/7/15 7:09	Potassium	2300	ug/l		F	EPA200.8	SMP	220	1000
BDD-SWSF-070715-C	7/7/15 7:09	Selenium	2.9	ug/l		UF	EPA200.8	SMP	0.68	1
BDD-SWSF-070715-C-F	7/7/15 7:09	Selenium	1	ug/l	U	F	EPA200.8	SMP	0.68	1
BDD-SWSF-070715-C	7/7/15 7:09	Silver	0.18	ug/l		UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-070715-C-F	7/7/15 7:09	Silver	0.1	ug/l	U	F	EPA200.8	SMP	0.038	0.1
BDD-SWSF-070715-C	7/7/15 7:09	Sodium	14000	ug/l		UF	EPA200.8	SMP	240	1000
BDD-SWSF-070715-C-F	7/7/15 7:09	Sodium	12000	ug/l		F	EPA200.8	SMP	240	1000

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-070715-C	7/7/15 7:09	Thallium	0.6	ug/l		UF	EPA200.8	SMP	0.04	0.2
BDD-SWSF-070715-C-F	7/7/15 7:09	Thallium	0.2	ug/l	U	F	EPA200.8	SMP	0.04	0.2
BDD-SWSF-070715-C	7/7/15 7:09	Uranium	9.6	ug/l		UF	EPA200.8	SMP	0.05	0.1
BDD-SWSF-070715-C-F	7/7/15 7:09	Uranium	1.9	ug/l		F	EPA200.8	SMP	0.05	0.1
BDD-SWSF-070715-C	7/7/15 7:09	Vanadium	71	ug/l		UF	EPA200.8	SMP	0.38	1
BDD-SWSF-070715-C-F	7/7/15 7:09	Vanadium	6.5	ug/l		F	EPA200.8	SMP	0.38	1
BDD-SWSF-070715-C	7/7/15 7:09	Zinc	160	ug/l		UF	EPA200.8	SMP	6.2	20
BDD-SWSF-070715-C-F	7/7/15 7:09	Zinc	20	ug/l	U	F	EPA200.8	SMP	6.2	20
BDD-SWSF-070715-D	7/7/15 7:39	Aluminum	60000	ug/l		UF	EPA200.8	SMP	13	50
BDD-SWSF-070715-D-F	7/7/15 7:39	Aluminum	69.2	ug/l		F	EPA200.8	DUP	13.1	50
BDD-SWSF-070715-D-F	7/7/15 7:39	Aluminum	230	ug/l		F	EPA200.8	SMP	13	50
BDD-SWSF-070715-D	7/7/15 7:39	Antimony	0.3	ug/l	U	UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070715-D-F	7/7/15 7:39	Antimony	0.179	ug/l	U	F	EPA200.8	DUP	0.179	0.3
BDD-SWSF-070715-D-F	7/7/15 7:39	Antimony	0.33	ug/l		F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070715-D	7/7/15 7:39	Arsenic	9.7	ug/l		UF	EPA200.8	SMP	0.35	2
BDD-SWSF-070715-D-F	7/7/15 7:39	Arsenic	1.66	ug/l	J	F	EPA200.8	DUP	0.348	2
BDD-SWSF-070715-D-F	7/7/15 7:39	Arsenic	2.5	ug/l		F	EPA200.8	SMP	0.35	2
BDD-SWSF-070715-D	7/7/15 7:39	Barium	920	ug/l		UF	EPA200.8	SMP	0.58	1
BDD-SWSF-070715-D-F	7/7/15 7:39	Barium	63.9	ug/l		F	EPA200.8	DUP	0.581	1
BDD-SWSF-070715-D-F	7/7/15 7:39	Barium	62	ug/l		F	EPA200.8	SMP	0.58	1
BDD-SWSF-070715-D	7/7/15 7:39	Beryllium	4.3	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070715-D-F	7/7/15 7:39	Beryllium	0.131	ug/l	U	F	EPA200.8	DUP	0.131	0.5
BDD-SWSF-070715-D-F	7/7/15 7:39	Beryllium	0.5	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070715-D	7/7/15 7:39	Boron	71	ug/l		UF	EPA200.8	SMP	6.9	50
BDD-SWSF-070715-D-F	7/7/15 7:39	Boron	21.5	ug/l	J	F	EPA200.8	DUP	6.91	50
BDD-SWSF-070715-D-F	7/7/15 7:39	Boron	27	ug/l	J	F	EPA200.8	SMP	6.9	50
BDD-SWSF-070715-D	7/7/15 7:39	Cadmium	0.46	ug/l		UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070715-D-F	7/7/15 7:39	Cadmium	0.177	ug/l	U	F	EPA200.8	DUP	0.177	0.3
BDD-SWSF-070715-D-F	7/7/15 7:39	Cadmium	0.3	ug/l	U	F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070715-D	7/7/15 7:39	Calcium	140000	ug/l		UF	EPA200.8	SMP	100	1000
BDD-SWSF-070715-D-F	7/7/15 7:39	Calcium	28700	ug/l		F	EPA200.8	DUP	100	1000
BDD-SWSF-070715-D-F	7/7/15 7:39	Calcium	28000	ug/l		F	EPA200.8	SMP	100	1000
BDD-SWSF-070715-D	7/7/15 7:39	Chromium	43	ug/l		UF	EPA200.8	SMP	0.6	10
BDD-SWSF-070715-D-F	7/7/15 7:39	Chromium	0.6	ug/l	U	F	EPA200.8	DUP	0.6	10
BDD-SWSF-070715-D-F	7/7/15 7:39	Chromium	10	ug/l	U	F	EPA200.8	SMP	0.6	10
BDD-SWSF-070715-D	7/7/15 7:39	Cobalt	29	ug/l		UF	EPA200.8	SMP	0.24	1
BDD-SWSF-070715-D-F	7/7/15 7:39	Cobalt	3.51	ug/l		F	EPA200.8	DUP	0.24	1
BDD-SWSF-070715-D-F	7/7/15 7:39	Cobalt	3.7	ug/l		F	EPA200.8	SMP	0.24	1
BDD-SWSF-070715-D	7/7/15 7:39	Copper	44	ug/l		UF	EPA200.8	SMP	3	10
BDD-SWSF-070715-D-F	7/7/15 7:39	Copper	3.05	ug/l	U	F	EPA200.8	DUP	3.05	10
BDD-SWSF-070715-D-F	7/7/15 7:39	Copper	10	ug/l	U	F	EPA200.8	SMP	3	10
BDD-SWSF-070715-D	7/7/15 7:39	Iron	43000	ug/l		UF	EPA200.8	SMP	25	100
BDD-SWSF-070715-D-F	7/7/15 7:39	Iron	33.8	ug/l	J	F	EPA200.8	DUP	24.7	100
BDD-SWSF-070715-D-F	7/7/15 7:39	Iron	140	ug/l		F	EPA200.8	SMP	25	100
BDD-SWSF-070715-D	7/7/15 7:39	Lead	42	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070715-D-F	7/7/15 7:39	Lead	0.13	ug/l	U	F	EPA200.8	DUP	0.13	0.5
BDD-SWSF-070715-D-F	7/7/15 7:39	Lead	0.5	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070715-D	7/7/15 7:39	Magnesium	31000	ug/l		UF	EPA200.8	SMP	45	100
BDD-SWSF-070715-D-F	7/7/15 7:39	Magnesium	3890	ug/l		F	EPA200.8	DUP	44.6	100
BDD-SWSF-070715-D-F	7/7/15 7:39	Magnesium	4200	ug/l		F	EPA200.8	SMP	45	100
BDD-SWSF-070715-D	7/7/15 7:39	Manganese	1900	ug/l		UF	EPA200.8	SMP	0.7	2
BDD-SWSF-070715-D-F	7/7/15 7:39	Manganese	5.58	ug/l		F	EPA200.8	DUP	0.695	2
BDD-SWSF-070715-D-F	7/7/15 7:39	Manganese	10	ug/l		F	EPA200.8	SMP	0.7	2
BDD-SWSF-070715-D	7/7/15 7:39	Mercury	0.074	ug/l	J	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-070715-D-F	7/7/15 7:39	Mercury	0.06	ug/l	U	F	EPA245.1	DUP	0.06	0.2
BDD-SWSF-070715-D-F	7/7/15 7:39	Mercury	0.2	ug/l	U	F	EPA245.1	SMP	0.06	0.2

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-070715-D	7/7/15 7:39	Nickel	55	ug/l		UF	EPA200.8	SMP	2.4	5
BDD-SWSF-070715-D-F	7/7/15 7:39	Nickel	3.72	ug/l	J	F	EPA200.8	DUP	2.44	5
BDD-SWSF-070715-D-F	7/7/15 7:39	Nickel	2.9	ug/l	J	F	EPA200.8	SMP	2.4	5
BDD-SWSF-070715-D	7/7/15 7:39	Potassium	16000	ug/l		UF	EPA200.8	SMP	220	1000
BDD-SWSF-070715-D-F	7/7/15 7:39	Potassium	2140	ug/l		F	EPA200.8	DUP	220	1000
BDD-SWSF-070715-D-F	7/7/15 7:39	Potassium	2500	ug/l		F	EPA200.8	SMP	220	1000
BDD-SWSF-070715-D	7/7/15 7:39	Selenium	3.7	ug/l		UF	EPA200.8	SMP	0.68	1
BDD-SWSF-070715-D-F	7/7/15 7:39	Selenium	0.675	ug/l	U	F	EPA200.8	DUP	0.675	1
BDD-SWSF-070715-D-F	7/7/15 7:39	Selenium	1	ug/l	U	F	EPA200.8	SMP	0.68	1
BDD-SWSF-070715-D	7/7/15 7:39	Silver	0.07	ug/l	J	UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-070715-D-F	7/7/15 7:39	Silver	0.0379	ug/l	U	F	EPA200.8	DUP	0.0379	0.1
BDD-SWSF-070715-D-F	7/7/15 7:39	Silver	0.05	ug/l	J	F	EPA200.8	SMP	0.038	0.1
BDD-SWSF-070715-D	7/7/15 7:39	Sodium	14000	ug/l		UF	EPA200.8	SMP	240	1000
BDD-SWSF-070715-D-F	7/7/15 7:39	Sodium	12300	ug/l		F	EPA200.8	DUP	245	1000
BDD-SWSF-070715-D-F	7/7/15 7:39	Sodium	12000	ug/l		F	EPA200.8	SMP	240	1000
BDD-SWSF-070715-D	7/7/15 7:39	Thallium	0.76	ug/l		UF	EPA200.8	SMP	0.04	0.2
BDD-SWSF-070715-D-F	7/7/15 7:39	Thallium	0.0402	ug/l	U	F	EPA200.8	DUP	0.0402	0.2
BDD-SWSF-070715-D-F	7/7/15 7:39	Thallium	0.2	ug/l	U	F	EPA200.8	SMP	0.04	0.2
BDD-SWSF-070715-D	7/7/15 7:39	Uranium	8.2	ug/l		UF	EPA200.8	SMP	0.05	0.1
BDD-SWSF-070715-D-F	7/7/15 7:39	Uranium	1.58	ug/l		F	EPA200.8	DUP	0.0502	0.1
BDD-SWSF-070715-D-F	7/7/15 7:39	Uranium	1.6	ug/l		F	EPA200.8	SMP	0.05	0.1
BDD-SWSF-070715-D	7/7/15 7:39	Vanadium	78	ug/l		UF	EPA200.8	SMP	0.38	1
BDD-SWSF-070715-D-F	7/7/15 7:39	Vanadium	5.13	ug/l		F	EPA200.8	DUP	0.382	1
BDD-SWSF-070715-D-F	7/7/15 7:39	Vanadium	6.1	ug/l		F	EPA200.8	SMP	0.38	1
BDD-SWSF-070715-D	7/7/15 7:39	Zinc	170	ug/l		UF	EPA200.8	SMP	6.2	20
BDD-SWSF-070715-D-F	7/7/15 7:39	Zinc	6.21	ug/l	U	F	EPA200.8	DUP	6.21	20
BDD-SWSF-070715-D-F	7/7/15 7:39	Zinc	20	ug/l	U	F	EPA200.8	SMP	6.2	20
BDD-SWSF-070715-E	7/7/15 8:09	Aluminum	59000	ug/l		UF	EPA200.8	SMP	13	50
BDD-SWSF-070715-E-F	7/7/15 8:09	Aluminum	70.8	ug/l		F	EPA200.8	DUP	13.1	50
BDD-SWSF-070715-E-F	7/7/15 8:09	Aluminum	130	ug/l		F	EPA200.8	SMP	13	50
BDD-SWSF-070715-E	7/7/15 8:09	Antimony	0.3	ug/l	U	UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070715-E-F	7/7/15 8:09	Antimony	0.3	ug/l	J	F	EPA200.8	DUP	0.179	0.3
BDD-SWSF-070715-E-F	7/7/15 8:09	Antimony	0.31	ug/l		F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070715-E	7/7/15 8:09	Arsenic	9.6	ug/l		UF	EPA200.8	SMP	0.35	2
BDD-SWSF-070715-E-F	7/7/15 8:09	Arsenic	1.53	ug/l	J	F	EPA200.8	DUP	0.348	2
BDD-SWSF-070715-E-F	7/7/15 8:09	Arsenic	1.6	ug/l	J	F	EPA200.8	SMP	0.35	2
BDD-SWSF-070715-E	7/7/15 8:09	Barium	1000	ug/l		UF	EPA200.8	SMP	0.58	1
BDD-SWSF-070715-E-F	7/7/15 8:09	Barium	63.3	ug/l		F	EPA200.8	DUP	0.581	1
BDD-SWSF-070715-E-F	7/7/15 8:09	Barium	63	ug/l		F	EPA200.8	SMP	0.58	1
BDD-SWSF-070715-E	7/7/15 8:09	Beryllium	4.2	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070715-E-F	7/7/15 8:09	Beryllium	0.131	ug/l	U	F	EPA200.8	DUP	0.131	0.5
BDD-SWSF-070715-E-F	7/7/15 8:09	Beryllium	0.5	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070715-E	7/7/15 8:09	Boron	80	ug/l		UF	EPA200.8	SMP	6.9	50
BDD-SWSF-070715-E-F	7/7/15 8:09	Boron	24.8	ug/l	J	F	EPA200.8	DUP	6.91	50
BDD-SWSF-070715-E-F	7/7/15 8:09	Boron	35	ug/l	J	F	EPA200.8	SMP	6.9	50
BDD-SWSF-070715-E	7/7/15 8:09	Cadmium	0.66	ug/l		UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070715-E-F	7/7/15 8:09	Cadmium	0.177	ug/l	U	F	EPA200.8	DUP	0.177	0.3
BDD-SWSF-070715-E-F	7/7/15 8:09	Cadmium	0.3	ug/l	U	F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070715-E	7/7/15 8:09	Calcium	140000	ug/l		UF	EPA200.8	SMP	100	1000
BDD-SWSF-070715-E-F	7/7/15 8:09	Calcium	29000	ug/l		F	EPA200.8	DUP	100	1000
BDD-SWSF-070715-E-F	7/7/15 8:09	Calcium	31000	ug/l		F	EPA200.8	SMP	100	1000
BDD-SWSF-070715-E	7/7/15 8:09	Chromium	42	ug/l		UF	EPA200.8	SMP	0.6	10
BDD-SWSF-070715-E-F	7/7/15 8:09	Chromium	0.6	ug/l	U	F	EPA200.8	DUP	0.6	10
BDD-SWSF-070715-E-F	7/7/15 8:09	Chromium	10	ug/l	U	F	EPA200.8	SMP	0.6	10
BDD-SWSF-070715-E	7/7/15 8:09	Cobalt	29	ug/l		UF	EPA200.8	SMP	0.24	1
BDD-SWSF-070715-E-F	7/7/15 8:09	Cobalt	3.07	ug/l		F	EPA200.8	DUP	0.24	1

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-070715-E-F	7/7/15 8:09	Cobalt	3.4	ug/l		F	EPA200.8	SMP	0.24	1
BDD-SWSF-070715-E	7/7/15 8:09	Copper	46	ug/l		UF	EPA200.8	SMP	3	10
BDD-SWSF-070715-E-F	7/7/15 8:09	Copper	3.05	ug/l	U	F	EPA200.8	DUP	3.05	10
BDD-SWSF-070715-E-F	7/7/15 8:09	Copper	10	ug/l	U	F	EPA200.8	SMP	3	10
BDD-SWSF-070715-E	7/7/15 8:09	Iron	43000	ug/l		UF	EPA200.8	SMP	25	100
BDD-SWSF-070715-E-F	7/7/15 8:09	Iron	24.7	ug/l	U	F	EPA200.8	DUP	24.7	100
BDD-SWSF-070715-E-F	7/7/15 8:09	Iron	59	ug/l	J	F	EPA200.8	SMP	25	100
BDD-SWSF-070715-E	7/7/15 8:09	Lead	45	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070715-E-F	7/7/15 8:09	Lead	0.13	ug/l	U	F	EPA200.8	DUP	0.13	0.5
BDD-SWSF-070715-E-F	7/7/15 8:09	Lead	0.5	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070715-E	7/7/15 8:09	Magnesium	33000	ug/l		UF	EPA200.8	SMP	45	100
BDD-SWSF-070715-E-F	7/7/15 8:09	Magnesium	4110	ug/l		F	EPA200.8	DUP	44.6	100
BDD-SWSF-070715-E-F	7/7/15 8:09	Magnesium	4300	ug/l		F	EPA200.8	SMP	45	100
BDD-SWSF-070715-E	7/7/15 8:09	Manganese	1900	ug/l		UF	EPA200.8	SMP	0.7	2
BDD-SWSF-070715-E-F	7/7/15 8:09	Manganese	4.39	ug/l		F	EPA200.8	DUP	0.695	2
BDD-SWSF-070715-E-F	7/7/15 8:09	Manganese	6.3	ug/l		F	EPA200.8	SMP	0.7	2
BDD-SWSF-070715-E	7/7/15 8:09	Mercury	0.075	ug/l	J	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-070715-E-F	7/7/15 8:09	Mercury	0.2	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-070715-E-F	7/7/15 8:09	Mercury	0.06	ug/l	U	F	EPA245.1	DUP	0.06	0.2
BDD-SWSF-070715-E	7/7/15 8:09	Nickel	58	ug/l		UF	EPA200.8	SMP	2.4	5
BDD-SWSF-070715-E-F	7/7/15 8:09	Nickel	2.44	ug/l	U	F	EPA200.8	DUP	2.44	5
BDD-SWSF-070715-E-F	7/7/15 8:09	Nickel	5	ug/l	U	F	EPA200.8	SMP	2.4	5
BDD-SWSF-070715-E	7/7/15 8:09	Potassium	15000	ug/l		UF	EPA200.8	SMP	220	1000
BDD-SWSF-070715-E-F	7/7/15 8:09	Potassium	2500	ug/l		F	EPA200.8	DUP	220	1000
BDD-SWSF-070715-E-F	7/7/15 8:09	Potassium	2400	ug/l		F	EPA200.8	SMP	220	1000
BDD-SWSF-070715-E	7/7/15 8:09	Selenium	1.8	ug/l		UF	EPA200.8	SMP	0.68	1
BDD-SWSF-070715-E-F	7/7/15 8:09	Selenium	0.675	ug/l	U	F	EPA200.8	DUP	0.675	1
BDD-SWSF-070715-E-F	7/7/15 8:09	Selenium	1	ug/l	U	F	EPA200.8	SMP	0.68	1
BDD-SWSF-070715-E	7/7/15 8:09	Silver	0.2	ug/l		UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-070715-E-F	7/7/15 8:09	Silver	0.0379	ug/l	U	F	EPA200.8	DUP	0.0379	0.1
BDD-SWSF-070715-E-F	7/7/15 8:09	Silver	0.04	ug/l	J	F	EPA200.8	SMP	0.038	0.1
BDD-SWSF-070715-E	7/7/15 8:09	Sodium	13000	ug/l		UF	EPA200.8	SMP	240	1000
BDD-SWSF-070715-E-F	7/7/15 8:09	Sodium	12400	ug/l		F	EPA200.8	DUP	245	1000
BDD-SWSF-070715-E-F	7/7/15 8:09	Sodium	13000	ug/l		F	EPA200.8	SMP	240	1000
BDD-SWSF-070715-E	7/7/15 8:09	Thallium	0.77	ug/l		UF	EPA200.8	SMP	0.04	0.2
BDD-SWSF-070715-E-F	7/7/15 8:09	Thallium	0.0402	ug/l	U	F	EPA200.8	DUP	0.0402	0.2
BDD-SWSF-070715-E-F	7/7/15 8:09	Thallium	0.2	ug/l	U	F	EPA200.8	SMP	0.04	0.2
BDD-SWSF-070715-E	7/7/15 8:09	Uranium	9.2	ug/l		UF	EPA200.8	SMP	0.05	0.1
BDD-SWSF-070715-E-F	7/7/15 8:09	Uranium	1.8	ug/l		F	EPA200.8	DUP	0.0502	0.1
BDD-SWSF-070715-E-F	7/7/15 8:09	Uranium	1.7	ug/l		F	EPA200.8	SMP	0.05	0.1
BDD-SWSF-070715-E	7/7/15 8:09	Vanadium	82	ug/l		UF	EPA200.8	SMP	0.38	1
BDD-SWSF-070715-E-F	7/7/15 8:09	Vanadium	4.94	ug/l		F	EPA200.8	DUP	0.382	1
BDD-SWSF-070715-E-F	7/7/15 8:09	Vanadium	5.9	ug/l		F	EPA200.8	SMP	0.38	1
BDD-SWSF-070715-E	7/7/15 8:09	Zinc	190	ug/l		UF	EPA200.8	SMP	6.2	20
BDD-SWSF-070715-E-F	7/7/15 8:09	Zinc	6.21	ug/l	U	F	EPA200.8	DUP	6.21	20
BDD-SWSF-070715-E-F	7/7/15 8:09	Zinc	20	ug/l	U	F	EPA200.8	SMP	6.2	20
BDD-SWSF-070715-F	7/7/15 8:39	Aluminum	83000	ug/l		UF	EPA200.8	SMP	13	50
BDD-SWSF-070715-F-F	7/7/15 8:39	Aluminum	230	ug/l		F	EPA200.8	SMP	13	50
BDD-SWSF-070715-F	7/7/15 8:39	Antimony	0.3	ug/l	U	UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070715-F-F	7/7/15 8:39	Antimony	0.3	ug/l	J	F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070715-F	7/7/15 8:39	Arsenic	14	ug/l		UF	EPA200.8	SMP	0.35	2
BDD-SWSF-070715-F-F	7/7/15 8:39	Arsenic	2.3	ug/l		F	EPA200.8	SMP	0.35	2
BDD-SWSF-070715-F	7/7/15 8:39	Barium	1300	ug/l		UF	EPA200.8	SMP	0.58	1
BDD-SWSF-070715-F-F	7/7/15 8:39	Barium	83	ug/l		F	EPA200.8	SMP	0.58	1
BDD-SWSF-070715-F	7/7/15 8:39	Beryllium	6.3	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070715-F-F	7/7/15 8:39	Beryllium	0.5	ug/l	U	F	EPA200.8	SMP	0.13	0.5

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-070715-F	7/7/15 8:39	Boron	96	ug/l		UF	EPA200.8	SMP	6.9	50
BDD-SWSF-070715-F-F	7/7/15 8:39	Boron	37	ug/l	J	F	EPA200.8	SMP	6.9	50
BDD-SWSF-070715-F	7/7/15 8:39	Cadmium	0.74	ug/l		UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070715-F-F	7/7/15 8:39	Cadmium	0.3	ug/l	U	F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070715-F	7/7/15 8:39	Calcium	200000	ug/l		UF	EPA200.8	SMP	100	1000
BDD-SWSF-070715-F-F	7/7/15 8:39	Calcium	31000	ug/l		F	EPA200.8	SMP	100	1000
BDD-SWSF-070715-F	7/7/15 8:39	Chromium	61	ug/l		UF	EPA200.8	SMP	0.6	10
BDD-SWSF-070715-F-F	7/7/15 8:39	Chromium	10	ug/l	U	F	EPA200.8	SMP	0.6	10
BDD-SWSF-070715-F	7/7/15 8:39	Cobalt	41	ug/l		UF	EPA200.8	SMP	0.24	1
BDD-SWSF-070715-F-F	7/7/15 8:39	Cobalt	4.1	ug/l		F	EPA200.8	SMP	0.24	1
BDD-SWSF-070715-F	7/7/15 8:39	Copper	65	ug/l		UF	EPA200.8	SMP	3	10
BDD-SWSF-070715-F-F	7/7/15 8:39	Copper	10	ug/l	U	F	EPA200.8	SMP	3	10
BDD-SWSF-070715-F	7/7/15 8:39	Iron	62000	ug/l		UF	EPA200.8	SMP	25	100
BDD-SWSF-070715-F-F	7/7/15 8:39	Iron	170	ug/l		F	EPA200.8	SMP	25	100
BDD-SWSF-070715-F	7/7/15 8:39	Lead	64	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070715-F-F	7/7/15 8:39	Lead	0.5	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070715-F	7/7/15 8:39	Magnesium	47000	ug/l		UF	EPA200.8	SMP	45	100
BDD-SWSF-070715-F-F	7/7/15 8:39	Magnesium	4200	ug/l		F	EPA200.8	SMP	45	100
BDD-SWSF-070715-F	7/7/15 8:39	Manganese	2600	ug/l		UF	EPA200.8	SMP	0.7	2
BDD-SWSF-070715-F-F	7/7/15 8:39	Manganese	95	ug/l		F	EPA200.8	SMP	0.7	2
BDD-SWSF-070715-F	7/7/15 8:39	Mercury	0.1	ug/l	J	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-070715-F-F	7/7/15 8:39	Mercury	0.2	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-070715-F	7/7/15 8:39	Nickel	80	ug/l		UF	EPA200.8	SMP	2.4	5
BDD-SWSF-070715-F-F	7/7/15 8:39	Nickel	6	ug/l		F	EPA200.8	SMP	2.4	5
BDD-SWSF-070715-F	7/7/15 8:39	Potassium	22000	ug/l		UF	EPA200.8	SMP	220	1000
BDD-SWSF-070715-F-F	7/7/15 8:39	Potassium	2700	ug/l		F	EPA200.8	SMP	220	1000
BDD-SWSF-070715-F	7/7/15 8:39	Selenium	5.2	ug/l		UF	EPA200.8	SMP	0.68	1
BDD-SWSF-070715-F-F	7/7/15 8:39	Selenium	1	ug/l	U	F	EPA200.8	SMP	0.68	1
BDD-SWSF-070715-F	7/7/15 8:39	Silver	0.2	ug/l		UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-070715-F-F	7/7/15 8:39	Silver	0.05	ug/l	J	F	EPA200.8	SMP	0.038	0.1
BDD-SWSF-070715-F	7/7/15 8:39	Sodium	14000	ug/l		UF	EPA200.8	SMP	240	1000
BDD-SWSF-070715-F-F	7/7/15 8:39	Sodium	13000	ug/l		F	EPA200.8	SMP	240	1000
BDD-SWSF-070715-F	7/7/15 8:39	Thallium	1.1	ug/l		UF	EPA200.8	SMP	0.04	0.2
BDD-SWSF-070715-F-F	7/7/15 8:39	Thallium	0.2	ug/l	U	F	EPA200.8	SMP	0.04	0.2
BDD-SWSF-070715-F	7/7/15 8:39	Uranium	15	ug/l		UF	EPA200.8	SMP	0.05	0.1
BDD-SWSF-070715-F-F	7/7/15 8:39	Uranium	2.2	ug/l		F	EPA200.8	SMP	0.05	0.1
BDD-SWSF-070715-F	7/7/15 8:39	Vanadium	110	ug/l		UF	EPA200.8	SMP	0.38	1
BDD-SWSF-070715-F-F	7/7/15 8:39	Vanadium	6.6	ug/l		F	EPA200.8	SMP	0.38	1
BDD-SWSF-070715-F	7/7/15 8:39	Zinc	210	ug/l		UF	EPA200.8	SMP	6.2	20
BDD-SWSF-070715-F-F	7/7/15 8:39	Zinc	20	ug/l	U	F	EPA200.8	SMP	6.2	20
BDD-SWSF-070715-G	7/7/15 9:08	Aluminum	93000	ug/l		UF	EPA200.8	SMP	13	50
BDD-SWSF-070715-G-F	7/7/15 9:08	Aluminum	140	ug/l		F	EPA200.8	SMP	13	50
BDD-SWSF-070715-G	7/7/15 9:08	Antimony	0.3	ug/l	U	UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070715-G-F	7/7/15 9:08	Antimony	0.3	ug/l	J	F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070715-G	7/7/15 9:08	Arsenic	18	ug/l		UF	EPA200.8	SMP	0.35	2
BDD-SWSF-070715-G-F	7/7/15 9:08	Arsenic	3.1	ug/l		F	EPA200.8	SMP	0.35	2
BDD-SWSF-070715-G	7/7/15 9:08	Barium	1600	ug/l		UF	EPA200.8	SMP	0.58	1
BDD-SWSF-070715-G-F	7/7/15 9:08	Barium	85	ug/l		F	EPA200.8	SMP	0.58	1
BDD-SWSF-070715-G	7/7/15 9:08	Beryllium	7.4	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070715-G-F	7/7/15 9:08	Beryllium	0.5	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070715-G	7/7/15 9:08	Boron	78	ug/l		UF	EPA200.8	SMP	6.9	50
BDD-SWSF-070715-G-F	7/7/15 9:08	Boron	32	ug/l	J	F	EPA200.8	SMP	6.9	50
BDD-SWSF-070715-G	7/7/15 9:08	Cadmium	1	ug/l		UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070715-G-F	7/7/15 9:08	Cadmium	0.3	ug/l	U	F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070715-G	7/7/15 9:08	Calcium	250000	ug/l		UF	EPA200.8	SMP	100	1000
BDD-SWSF-070715-G-F	7/7/15 9:08	Calcium	32000	ug/l		F	EPA200.8	SMP	100	1000

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-070715-G	7/7/15 9:08	Chromium	72	ug/l		UF	EPA200.8	SMP	0.6	10
BDD-SWSF-070715-G-F	7/7/15 9:08	Chromium	10	ug/l	U	F	EPA200.8	SMP	0.6	10
BDD-SWSF-070715-G	7/7/15 9:08	Cobalt	47	ug/l		UF	EPA200.8	SMP	0.24	1
BDD-SWSF-070715-G-F	7/7/15 9:08	Cobalt	4.2	ug/l		F	EPA200.8	SMP	0.24	1
BDD-SWSF-070715-G	7/7/15 9:08	Copper	76	ug/l		UF	EPA200.8	SMP	3	10
BDD-SWSF-070715-G-F	7/7/15 9:08	Copper	10	ug/l	U	F	EPA200.8	SMP	3	10
BDD-SWSF-070715-G	7/7/15 9:08	Iron	69000	ug/l		UF	EPA200.8	SMP	25	100
BDD-SWSF-070715-G-F	7/7/15 9:08	Iron	94	ug/l	J	F	EPA200.8	SMP	25	100
BDD-SWSF-070715-G	7/7/15 9:08	Lead	77	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070715-G-F	7/7/15 9:08	Lead	0.5	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070715-G	7/7/15 9:08	Magnesium	54000	ug/l		UF	EPA200.8	SMP	45	100
BDD-SWSF-070715-G-F	7/7/15 9:08	Magnesium	3800	ug/l		F	EPA200.8	SMP	45	100
BDD-SWSF-070715-G	7/7/15 9:08	Manganese	3000	ug/l		UF	EPA200.8	SMP	0.7	2
BDD-SWSF-070715-G-F	7/7/15 9:08	Manganese	27	ug/l		F	EPA200.8	SMP	0.7	2
BDD-SWSF-070715-G	7/7/15 9:08	Mercury	0.12	ug/l	J	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-070715-G-F	7/7/15 9:08	Mercury	0.2	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-070715-G	7/7/15 9:08	Nickel	90	ug/l		UF	EPA200.8	SMP	2.4	5
BDD-SWSF-070715-G-F	7/7/15 9:08	Nickel	3.4	ug/l	J	F	EPA200.8	SMP	2.4	5
BDD-SWSF-070715-G	7/7/15 9:08	Potassium	26000	ug/l		UF	EPA200.8	SMP	220	1000
BDD-SWSF-070715-G-F	7/7/15 9:08	Potassium	2800	ug/l		F	EPA200.8	SMP	220	1000
BDD-SWSF-070715-G	7/7/15 9:08	Selenium	5.8	ug/l		UF	EPA200.8	SMP	0.68	1
BDD-SWSF-070715-G-F	7/7/15 9:08	Selenium	1	ug/l	U	F	EPA200.8	SMP	0.68	1
BDD-SWSF-070715-G	7/7/15 9:08	Silver	0.27	ug/l		UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-070715-G-F	7/7/15 9:08	Silver	0.1	ug/l	U	F	EPA200.8	SMP	0.038	0.1
BDD-SWSF-070715-G	7/7/15 9:08	Sodium	14000	ug/l		UF	EPA200.8	SMP	240	1000
BDD-SWSF-070715-G-F	7/7/15 9:08	Sodium	12000	ug/l		F	EPA200.8	SMP	240	1000
BDD-SWSF-070715-G	7/7/15 9:08	Thallium	1.2	ug/l		UF	EPA200.8	SMP	0.04	0.2
BDD-SWSF-070715-G-F	7/7/15 9:08	Thallium	0.06	ug/l	J	F	EPA200.8	SMP	0.04	0.2
BDD-SWSF-070715-G	7/7/15 9:08	Uranium	21	ug/l		UF	EPA200.8	SMP	0.05	0.1
BDD-SWSF-070715-G-F	7/7/15 9:08	Uranium	2.8	ug/l		F	EPA200.8	SMP	0.05	0.1
BDD-SWSF-070715-G	7/7/15 9:08	Vanadium	120	ug/l		UF	EPA200.8	SMP	0.38	1
BDD-SWSF-070715-G-F	7/7/15 9:08	Vanadium	7.1	ug/l		F	EPA200.8	SMP	0.38	1
BDD-SWSF-070715-G	7/7/15 9:08	Zinc	260	ug/l		UF	EPA200.8	SMP	6.2	20
BDD-SWSF-070715-G-F	7/7/15 9:08	Zinc	20	ug/l	U	F	EPA200.8	SMP	6.2	20
BDD-SWSF-070715-H	7/7/15 9:38	Aluminum	140000	ug/l		UF	EPA200.8	SMP	13	50
BDD-SWSF-070715-H-F	7/7/15 9:38	Aluminum	2000	ug/l		F	EPA200.8	SMP	13	50
BDD-SWSF-070715-H	7/7/15 9:38	Antimony	0.3	ug/l	U	UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070715-H-F	7/7/15 9:38	Antimony	0.26	ug/l	J	F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070715-H	7/7/15 9:38	Arsenic	25	ug/l		UF	EPA200.8	SMP	0.35	2
BDD-SWSF-070715-H-F	7/7/15 9:38	Arsenic	4	ug/l		F	EPA200.8	SMP	0.35	2
BDD-SWSF-070715-H	7/7/15 9:38	Barium	2200	ug/l		UF	EPA200.8	SMP	0.58	1
BDD-SWSF-070715-H-F	7/7/15 9:38	Barium	110	ug/l		F	EPA200.8	SMP	0.58	1
BDD-SWSF-070715-H	7/7/15 9:38	Beryllium	11	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070715-H-F	7/7/15 9:38	Beryllium	0.5	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070715-H	7/7/15 9:38	Boron	100	ug/l		UF	EPA200.8	SMP	6.9	50
BDD-SWSF-070715-H-F	7/7/15 9:38	Boron	30	ug/l	J	F	EPA200.8	SMP	6.9	50
BDD-SWSF-070715-H	7/7/15 9:38	Cadmium	1.5	ug/l		UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070715-H-F	7/7/15 9:38	Cadmium	0.3	ug/l	U	F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070715-H	7/7/15 9:38	Calcium	410000	ug/l		UF	EPA200.8	SMP	100	1000
BDD-SWSF-070715-H-F	7/7/15 9:38	Calcium	35000	ug/l		F	EPA200.8	SMP	100	1000
BDD-SWSF-070715-H	7/7/15 9:38	Chromium	120	ug/l		UF	EPA200.8	SMP	0.6	10
BDD-SWSF-070715-H-F	7/7/15 9:38	Chromium	2	ug/l	J	F	EPA200.8	SMP	0.6	10
BDD-SWSF-070715-H	7/7/15 9:38	Cobalt	76	ug/l		UF	EPA200.8	SMP	0.24	1
BDD-SWSF-070715-H-F	7/7/15 9:38	Cobalt	4.7	ug/l		F	EPA200.8	SMP	0.24	1
BDD-SWSF-070715-H	7/7/15 9:38	Copper	130	ug/l		UF	EPA200.8	SMP	3	10
BDD-SWSF-070715-H-F	7/7/15 9:38	Copper	10	ug/l	U	F	EPA200.8	SMP	3	10

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-070715-H	7/7/15 9:38	Iron	110000	ug/l		UF	EPA200.8	SMP	25	100
BDD-SWSF-070715-H-F	7/7/15 9:38	Iron	1600	ug/l		F	EPA200.8	SMP	25	100
BDD-SWSF-070715-H	7/7/15 9:38	Lead	120	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070715-H-F	7/7/15 9:38	Lead	1.3	ug/l		F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070715-H	7/7/15 9:38	Magnesium	85000	ug/l		UF	EPA200.8	SMP	45	100
BDD-SWSF-070715-H-F	7/7/15 9:38	Magnesium	4500	ug/l		F	EPA200.8	SMP	45	100
BDD-SWSF-070715-H	7/7/15 9:38	Manganese	4700	ug/l		UF	EPA200.8	SMP	0.7	2
BDD-SWSF-070715-H-F	7/7/15 9:38	Manganese	240	ug/l		F	EPA200.8	SMP	0.7	2
BDD-SWSF-070715-H	7/7/15 9:38	Mercury	0.17	ug/l	J	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-070715-H-F	7/7/15 9:38	Mercury	0.2	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-070715-H	7/7/15 9:38	Nickel	160	ug/l		UF	EPA200.8	SMP	2.4	5
BDD-SWSF-070715-H-F	7/7/15 9:38	Nickel	5.9	ug/l		F	EPA200.8	SMP	2.4	5
BDD-SWSF-070715-H	7/7/15 9:38	Potassium	42000	ug/l		UF	EPA200.8	SMP	220	1000
BDD-SWSF-070715-H-F	7/7/15 9:38	Potassium	3700	ug/l		F	EPA200.8	SMP	220	1000
BDD-SWSF-070715-H	7/7/15 9:38	Selenium	9	ug/l		UF	EPA200.8	SMP	0.68	1
BDD-SWSF-070715-H-F	7/7/15 9:38	Selenium	1	ug/l	U	F	EPA200.8	SMP	0.68	1
BDD-SWSF-070715-H	7/7/15 9:38	Silver	0.29	ug/l		UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-070715-H-F	7/7/15 9:38	Silver	0.1	ug/l	U	F	EPA200.8	SMP	0.038	0.1
BDD-SWSF-070715-H	7/7/15 9:38	Sodium	15000	ug/l		UF	EPA200.8	SMP	240	1000
BDD-SWSF-070715-H-F	7/7/15 9:38	Sodium	13000	ug/l		F	EPA200.8	SMP	240	1000
BDD-SWSF-070715-H	7/7/15 9:38	Thallium	1.9	ug/l		UF	EPA200.8	SMP	0.04	0.2
BDD-SWSF-070715-H-F	7/7/15 9:38	Thallium	0.08	ug/l	J	F	EPA200.8	SMP	0.04	0.2
BDD-SWSF-070715-H	7/7/15 9:38	Uranium	46	ug/l		UF	EPA200.8	SMP	0.05	0.1
BDD-SWSF-070715-H-F	7/7/15 9:38	Uranium	5.3	ug/l		F	EPA200.8	SMP	0.05	0.1
BDD-SWSF-070715-H	7/7/15 9:38	Vanadium	170	ug/l		UF	EPA200.8	SMP	0.38	1
BDD-SWSF-070715-H-F	7/7/15 9:38	Vanadium	9.7	ug/l		F	EPA200.8	SMP	0.38	1
BDD-SWSF-070715-H	7/7/15 9:38	Zinc	430	ug/l		UF	EPA200.8	SMP	6.2	20
BDD-SWSF-070715-H-F	7/7/15 9:38	Zinc	20	ug/l	U	F	EPA200.8	SMP	6.2	20
BDD-SWSF-070715-I	7/7/15 10:08	Aluminum	140000	ug/l		UF	EPA200.8	SMP	13	50
BDD-SWSF-070715-I-F	7/7/15 10:08	Aluminum	1900	ug/l		F	EPA200.8	SMP	13	50
BDD-SWSF-070715-I	7/7/15 10:08	Antimony	0.18	ug/l	J	UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070715-I-F	7/7/15 10:08	Antimony	0.44	ug/l		F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070715-I	7/7/15 10:08	Arsenic	27	ug/l		UF	EPA200.8	SMP	0.35	2
BDD-SWSF-070715-I-F	7/7/15 10:08	Arsenic	3.9	ug/l		F	EPA200.8	SMP	0.35	2
BDD-SWSF-070715-I	7/7/15 10:08	Barium	2800	ug/l		UF	EPA200.8	SMP	0.58	1
BDD-SWSF-070715-I-F	7/7/15 10:08	Barium	120	ug/l		F	EPA200.8	SMP	0.58	1
BDD-SWSF-070715-I	7/7/15 10:08	Beryllium	12	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070715-I-F	7/7/15 10:08	Beryllium	0.5	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070715-I	7/7/15 10:08	Boron	95	ug/l		UF	EPA200.8	SMP	6.9	50
BDD-SWSF-070715-I-F	7/7/15 10:08	Boron	30	ug/l	J	F	EPA200.8	SMP	6.9	50
BDD-SWSF-070715-I	7/7/15 10:08	Cadmium	1.7	ug/l		UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070715-I-F	7/7/15 10:08	Cadmium	0.3	ug/l	U	F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070715-I	7/7/15 10:08	Calcium	530000	ug/l		UF	EPA200.8	SMP	100	1000
BDD-SWSF-070715-I-F	7/7/15 10:08	Calcium	35000	ug/l		F	EPA200.8	SMP	100	1000
BDD-SWSF-070715-I	7/7/15 10:08	Chromium	130	ug/l		UF	EPA200.8	SMP	0.6	10
BDD-SWSF-070715-I-F	7/7/15 10:08	Chromium	2.1	ug/l	J	F	EPA200.8	SMP	0.6	10
BDD-SWSF-070715-I	7/7/15 10:08	Cobalt	85	ug/l		UF	EPA200.8	SMP	0.24	1
BDD-SWSF-070715-I-F	7/7/15 10:08	Cobalt	5.4	ug/l		F	EPA200.8	SMP	0.24	1
BDD-SWSF-070715-I	7/7/15 10:08	Copper	140	ug/l		UF	EPA200.8	SMP	3	10
BDD-SWSF-070715-I-F	7/7/15 10:08	Copper	10	ug/l	U	F	EPA200.8	SMP	3	10
BDD-SWSF-070715-I	7/7/15 10:08	Iron	110000	ug/l		UF	EPA200.8	SMP	25	100
BDD-SWSF-070715-I-F	7/7/15 10:08	Iron	1600	ug/l		F	EPA200.8	SMP	25	100
BDD-SWSF-070715-I	7/7/15 10:08	Lead	140	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070715-I-F	7/7/15 10:08	Lead	2.1	ug/l		F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070715-I	7/7/15 10:08	Magnesium	96000	ug/l		UF	EPA200.8	SMP	45	100
BDD-SWSF-070715-I-F	7/7/15 10:08	Magnesium	4000	ug/l		F	EPA200.8	SMP	45	100

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-070715-I	7/7/15 10:08	Manganese	5600	ug/l		UF	EPA200.8	SMP	0.7	2
BDD-SWSF-070715-I-F	7/7/15 10:08	Manganese	160	ug/l		F	EPA200.8	SMP	0.7	2
BDD-SWSF-070715-I	7/7/15 10:08	Mercury	0.21	ug/l		UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-070715-I-F	7/7/15 10:08	Mercury	0.2	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-070715-I	7/7/15 10:08	Nickel	180	ug/l		UF	EPA200.8	SMP	2.4	5
BDD-SWSF-070715-I-F	7/7/15 10:08	Nickel	3.9	ug/l	J	F	EPA200.8	SMP	2.4	5
BDD-SWSF-070715-I	7/7/15 10:08	Potassium	45000	ug/l		UF	EPA200.8	SMP	220	1000
BDD-SWSF-070715-I-F	7/7/15 10:08	Potassium	3900	ug/l		F	EPA200.8	SMP	220	1000
BDD-SWSF-070715-I	7/7/15 10:08	Selenium	11	ug/l		UF	EPA200.8	SMP	0.68	1
BDD-SWSF-070715-I-F	7/7/15 10:08	Selenium	1.4	ug/l		F	EPA200.8	SMP	0.68	1
BDD-SWSF-070715-I	7/7/15 10:08	Silver	0.41	ug/l		UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-070715-I-F	7/7/15 10:08	Silver	0.1	ug/l	U	F	EPA200.8	SMP	0.038	0.1
BDD-SWSF-070715-I	7/7/15 10:08	Sodium	18000	ug/l		UF	EPA200.8	SMP	240	1000
BDD-SWSF-070715-I-F	7/7/15 10:08	Sodium	15000	ug/l		F	EPA200.8	SMP	240	1000
BDD-SWSF-070715-I	7/7/15 10:08	Thallium	1.9	ug/l		UF	EPA200.8	SMP	0.04	0.2
BDD-SWSF-070715-I-F	7/7/15 10:08	Thallium	0.07	ug/l	J	F	EPA200.8	SMP	0.04	0.2
BDD-SWSF-070715-I	7/7/15 10:08	Uranium	60	ug/l		UF	EPA200.8	SMP	0.05	0.1
BDD-SWSF-070715-I-F	7/7/15 10:08	Uranium	7.2	ug/l		F	EPA200.8	SMP	0.05	0.1
BDD-SWSF-070715-I	7/7/15 10:08	Vanadium	180	ug/l		UF	EPA200.8	SMP	0.38	1
BDD-SWSF-070715-I-F	7/7/15 10:08	Vanadium	9.5	ug/l		F	EPA200.8	SMP	0.38	1
BDD-SWSF-070715-I	7/7/15 10:08	Zinc	480	ug/l		UF	EPA200.8	SMP	6.2	20
BDD-SWSF-070715-I-F	7/7/15 10:08	Zinc	20	ug/l	U	F	EPA200.8	SMP	6.2	20
BDD-SWBF-070715-L	7/7/15 11:20	Aluminum	26000	ug/l		UF	EPA200.8	SMP	13	50
BDD-SWBF-070715-L-F	7/7/15 11:20	Aluminum	370	ug/l		F	EPA200.8	SMP	13	50
BDD-SWBF-070715-L	7/7/15 11:20	Antimony	0.3	ug/l	U	UF	EPA200.8	SMP	0.18	0.3
BDD-SWBF-070715-L-F	7/7/15 11:20	Antimony	0.21	ug/l	J	F	EPA200.8	SMP	0.18	0.3
BDD-SWBF-070715-L	7/7/15 11:20	Arsenic	5.4	ug/l		UF	EPA200.8	SMP	0.35	2
BDD-SWBF-070715-L-F	7/7/15 11:20	Arsenic	2.9	ug/l		F	EPA200.8	SMP	0.35	2
BDD-SWBF-070715-L	7/7/15 11:20	Barium	450	ug/l		UF	EPA200.8	SMP	0.58	1
BDD-SWBF-070715-L-F	7/7/15 11:20	Barium	65	ug/l		F	EPA200.8	SMP	0.58	1
BDD-SWBF-070715-L	7/7/15 11:20	Beryllium	1.8	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWBF-070715-L-F	7/7/15 11:20	Beryllium	0.5	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWBF-070715-L	7/7/15 11:20	Boron	35	ug/l	J	UF	EPA200.8	SMP	6.9	50
BDD-SWBF-070715-L-F	7/7/15 11:20	Boron	21	ug/l	J	F	EPA200.8	SMP	6.9	50
BDD-SWBF-070715-L	7/7/15 11:20	Cadmium	0.32	ug/l		UF	EPA200.8	SMP	0.18	0.3
BDD-SWBF-070715-L-F	7/7/15 11:20	Cadmium	0.3	ug/l	U	F	EPA200.8	SMP	0.18	0.3
BDD-SWBF-070715-L	7/7/15 11:20	Calcium	89000	ug/l		UF	EPA200.8	SMP	100	1000
BDD-SWBF-070715-L-F	7/7/15 11:20	Calcium	28000	ug/l		F	EPA200.8	SMP	100	1000
BDD-SWBF-070715-L	7/7/15 11:20	Chromium	18	ug/l		UF	EPA200.8	SMP	0.6	10
BDD-SWBF-070715-L-F	7/7/15 11:20	Chromium	0.61	ug/l	J	F	EPA200.8	SMP	0.6	10
BDD-SWBF-070715-L	7/7/15 11:20	Cobalt	13	ug/l		UF	EPA200.8	SMP	0.24	1
BDD-SWBF-070715-L-F	7/7/15 11:20	Cobalt	3.7	ug/l		F	EPA200.8	SMP	0.24	1
BDD-SWBF-070715-L	7/7/15 11:20	Copper	23	ug/l		UF	EPA200.8	SMP	3	10
BDD-SWBF-070715-L-F	7/7/15 11:20	Copper	10	ug/l	U	F	EPA200.8	SMP	3	10
BDD-SWBF-070715-L	7/7/15 11:20	Iron	17000	ug/l		UF	EPA200.8	SMP	25	100
BDD-SWBF-070715-L-F	7/7/15 11:20	Iron	240	ug/l		F	EPA200.8	SMP	25	100
BDD-SWBF-070715-L	7/7/15 11:20	Lead	21	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWBF-070715-L-F	7/7/15 11:20	Lead	0.5	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWBF-070715-L	7/7/15 11:20	Magnesium	17000	ug/l		UF	EPA200.8	SMP	45	100
BDD-SWBF-070715-L-F	7/7/15 11:20	Magnesium	4200	ug/l		F	EPA200.8	SMP	45	100
BDD-SWBF-070715-L	7/7/15 11:20	Manganese	940	ug/l		UF	EPA200.8	SMP	0.7	2
BDD-SWBF-070715-L-F	7/7/15 11:20	Manganese	17	ug/l		F	EPA200.8	SMP	0.7	2
BDD-SWBF-070715-L	7/7/15 11:20	Mercury	0.2	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWBF-070715-L-F	7/7/15 11:20	Mercury	0.2	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWBF-070715-L	7/7/15 11:20	Nickel	28	ug/l		UF	EPA200.8	SMP	2.4	5
BDD-SWBF-070715-L-F	7/7/15 11:20	Nickel	5	ug/l	U	F	EPA200.8	SMP	2.4	5

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWBF-070715-L	7/7/15 11:20	Potassium	7500	ug/l		UF	EPA200.8	SMP	220	1000
BDD-SWBF-070715-L-F	7/7/15 11:20	Potassium	2000	ug/l		F	EPA200.8	SMP	220	1000
BDD-SWBF-070715-L	7/7/15 11:20	Selenium	1	ug/l	U	UF	EPA200.8	SMP	0.68	1
BDD-SWBF-070715-L-F	7/7/15 11:20	Selenium	1	ug/l	U	F	EPA200.8	SMP	0.68	1
BDD-SWBF-070715-L	7/7/15 11:20	Silver	0.04	ug/l	J	UF	EPA200.8	SMP	0.038	0.1
BDD-SWBF-070715-L-F	7/7/15 11:20	Silver	0.1	ug/l	U	F	EPA200.8	SMP	0.038	0.1
BDD-SWBF-070715-L	7/7/15 11:20	Sodium	13000	ug/l		UF	EPA200.8	SMP	240	1000
BDD-SWBF-070715-L-F	7/7/15 11:20	Sodium	12000	ug/l		F	EPA200.8	SMP	240	1000
BDD-SWBF-070715-L	7/7/15 11:20	Thallium	0.35	ug/l		UF	EPA200.8	SMP	0.04	0.2
BDD-SWBF-070715-L-F	7/7/15 11:20	Thallium	0.2	ug/l	U	F	EPA200.8	SMP	0.04	0.2
BDD-SWBF-070715-L	7/7/15 11:20	Uranium	3.9	ug/l		UF	EPA200.8	SMP	0.05	0.1
BDD-SWBF-070715-L-F	7/7/15 11:20	Uranium	1.5	ug/l		F	EPA200.8	SMP	0.05	0.1
BDD-SWBF-070715-L	7/7/15 11:20	Vanadium	43	ug/l		UF	EPA200.8	SMP	0.38	1
BDD-SWBF-070715-L-F	7/7/15 11:20	Vanadium	5	ug/l		F	EPA200.8	SMP	0.38	1
BDD-SWBF-070715-L	7/7/15 11:20	Zinc	67	ug/l		UF	EPA200.8	SMP	6.2	20
BDD-SWBF-070715-L-F	7/7/15 11:20	Zinc	20	ug/l	U	F	EPA200.8	SMP	6.2	20
BDD-SWBF-070715-M	7/7/15 23:00	Aluminum	25000	ug/l		UF	EPA200.8	SMP	13	50
BDD-SWBF-070715-M	7/7/15 23:00	Aluminum	22000	ug/l		UF	EPA200.8	SMP	14	50
BDD-SWBF-070715-M	7/7/15 23:00	Antimony	0.3	ug/l	U	UF	EPA200.8	SMP	0.18	0.3
BDD-SWBF-070715-M	7/7/15 23:00	Antimony	0.3	ug/l	U	UF	EPA200.8	SMP	0.11	0.3
BDD-SWBF-070715-M	7/7/15 23:00	Arsenic	5.7	ug/l		UF	EPA200.8	SMP	0.35	2
BDD-SWBF-070715-M	7/7/15 23:00	Arsenic	5.3	ug/l		UF	EPA200.8	SMP	0.2	2
BDD-SWBF-070715-M	7/7/15 23:00	Barium	420	ug/l		UF	EPA200.8	SMP	0.58	1
BDD-SWBF-070715-M	7/7/15 23:00	Barium	440	ug/l		UF	EPA200.8	SMP	0.16	1
BDD-SWBF-070715-M	7/7/15 23:00	Beryllium	1.4	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWBF-070715-M	7/7/15 23:00	Beryllium	2.1	ug/l		UF	EPA200.8	SMP	0.27	0.5
BDD-SWBF-070715-M	7/7/15 23:00	Boron	29	ug/l	J	UF	EPA200.8	SMP	6.9	50
BDD-SWBF-070715-M	7/7/15 23:00	Boron	92	ug/l		UF	EPA200.8	SMP	12	50
BDD-SWBF-070715-M	7/7/15 23:00	Cadmium	0.3	ug/l	U	UF	EPA200.8	SMP	0.18	0.3
BDD-SWBF-070715-M	7/7/15 23:00	Cadmium	0.26	ug/l	J	UF	EPA200.8	SMP	0.088	0.3
BDD-SWBF-070715-M	7/7/15 23:00	Calcium	87000	ug/l		UF	EPA200.8	SMP	100	1000
BDD-SWBF-070715-M	7/7/15 23:00	Calcium	83000	ug/l		UF	EPA200.8	SMP	68	1000
BDD-SWBF-070715-M	7/7/15 23:00	Chromium	19	ug/l		UF	EPA200.8	SMP	0.6	10
BDD-SWBF-070715-M	7/7/15 23:00	Chromium	17	ug/l		UF	EPA200.8	SMP	0.88	10
BDD-SWBF-070715-M	7/7/15 23:00	Cobalt	13	ug/l		UF	EPA200.8	SMP	0.24	1
BDD-SWBF-070715-M	7/7/15 23:00	Cobalt	11	ug/l		UF	EPA200.8	SMP	0.083	1
BDD-SWBF-070715-M	7/7/15 23:00	Copper	20	ug/l		UF	EPA200.8	SMP	3	10
BDD-SWBF-070715-M	7/7/15 23:00	Copper	29	ug/l		UF	EPA200.8	SMP	1.2	10
BDD-SWBF-070715-M	7/7/15 23:00	Iron	17000	ug/l		UF	EPA200.8	SMP	25	100
BDD-SWBF-070715-M	7/7/15 23:00	Iron	16000	ug/l		UF	EPA200.8	SMP	8.1	100
BDD-SWBF-070715-M	7/7/15 23:00	Lead	19	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWBF-070715-M	7/7/15 23:00	Lead	19	ug/l		UF	EPA200.8	SMP	0.17	0.5
BDD-SWBF-070715-M	7/7/15 23:00	Magnesium	17000	ug/l		UF	EPA200.8	SMP	45	100
BDD-SWBF-070715-M	7/7/15 23:00	Magnesium	15000	ug/l		UF	EPA200.8	SMP	18	100
BDD-SWBF-070715-M	7/7/15 23:00	Manganese	880	ug/l		UF	EPA200.8	SMP	0.7	2
BDD-SWBF-070715-M	7/7/15 23:00	Manganese	850	ug/l		UF	EPA200.8	SMP	0.34	2
BDD-SWBF-070715-M	7/7/15 23:00	Mercury	0.2	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWBF-070715-M	7/7/15 23:00	Mercury	0.2	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWBF-070715-M	7/7/15 23:00	Nickel	28	ug/l		UF	EPA200.8	SMP	2.4	5
BDD-SWBF-070715-M	7/7/15 23:00	Nickel	25	ug/l		UF	EPA200.8	SMP	4	5
BDD-SWBF-070715-M	7/7/15 23:00	Potassium	7600	ug/l		UF	EPA200.8	SMP	220	1000
BDD-SWBF-070715-M	7/7/15 23:00	Potassium	7700	ug/l		UF	EPA200.8	SMP	290	1000
BDD-SWBF-070715-M	7/7/15 23:00	Selenium	2.4	ug/l		UF	EPA200.8	SMP	0.68	1
BDD-SWBF-070715-M	7/7/15 23:00	Selenium	1.1	ug/l		UF	EPA200.8	SMP	0.66	1
BDD-SWBF-070715-M	7/7/15 23:00	Silver	0.11	ug/l		UF	EPA200.8	SMP	0.038	0.1
BDD-SWBF-070715-M	7/7/15 23:00	Silver	0.07	ug/l	J	UF	EPA200.8	SMP	0.041	0.1

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWBF-070715-M	7/7/15 23:00	Sodium	13000	ug/l		UF	EPA200.8	SMP	240	1000
BDD-SWBF-070715-M	7/7/15 23:00	Sodium	14000	ug/l		UF	EPA200.8	SMP	200	1000
BDD-SWBF-070715-M	7/7/15 23:00	Thallium	0.29	ug/l		UF	EPA200.8	SMP	0.04	0.2
BDD-SWBF-070715-M	7/7/15 23:00	Thallium	0.42	ug/l		UF	EPA200.8	SMP	0.018	0.2
BDD-SWBF-070715-M	7/7/15 23:00	Uranium	3.8	ug/l		UF	EPA200.8	SMP	0.05	0.1
BDD-SWBF-070715-M	7/7/15 23:00	Uranium	5.4	ug/l		UF	EPA200.8	SMP	0.02	0.1
BDD-SWBF-070715-M	7/7/15 23:00	Vanadium	41	ug/l		UF	EPA200.8	SMP	0.38	1
BDD-SWBF-070715-M	7/7/15 23:00	Vanadium	41	ug/l		UF	EPA200.8	SMP	0.71	1
BDD-SWBF-070715-M	7/7/15 23:00	Zinc	60	ug/l		UF	EPA200.8	SMP	6.2	20
BDD-SWBF-070715-M	7/7/15 23:00	Zinc	88	ug/l		UF	EPA200.8	SMP	9.8	20
BDD-SWBF-070715-N	7/7/15 23:30	Aluminum	19000	ug/l		UF	EPA200.8	SMP	13	50
BDD-SWBF-070715-N	7/7/15 23:30	Aluminum	22000	ug/l		UF	EPA200.8	SMP	14	50
BDD-SWBF-070715-N	7/7/15 23:30	Antimony	0.3	ug/l	U	UF	EPA200.8	SMP	0.18	0.3
BDD-SWBF-070715-N	7/7/15 23:30	Antimony	0.3	ug/l	U	UF	EPA200.8	SMP	0.11	0.3
BDD-SWBF-070715-N	7/7/15 23:30	Arsenic	5.2	ug/l		UF	EPA200.8	SMP	0.35	2
BDD-SWBF-070715-N	7/7/15 23:30	Arsenic	5.2	ug/l		UF	EPA200.8	SMP	0.2	2
BDD-SWBF-070715-N	7/7/15 23:30	Barium	390	ug/l		UF	EPA200.8	SMP	0.58	1
BDD-SWBF-070715-N	7/7/15 23:30	Barium	370	ug/l		UF	EPA200.8	SMP	0.16	1
BDD-SWBF-070715-N	7/7/15 23:30	Beryllium	1.2	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWBF-070715-N	7/7/15 23:30	Beryllium	1.5	ug/l		UF	EPA200.8	SMP	0.27	0.5
BDD-SWBF-070715-N	7/7/15 23:30	Boron	26	ug/l	J	UF	EPA200.8	SMP	6.9	50
BDD-SWBF-070715-N	7/7/15 23:30	Boron	47	ug/l	J	UF	EPA200.8	SMP	12	50
BDD-SWBF-070715-N	7/7/15 23:30	Cadmium	0.26	ug/l	J	UF	EPA200.8	SMP	0.18	0.3
BDD-SWBF-070715-N	7/7/15 23:30	Cadmium	0.17	ug/l	J	UF	EPA200.8	SMP	0.088	0.3
BDD-SWBF-070715-N	7/7/15 23:30	Calcium	78000	ug/l		UF	EPA200.8	SMP	100	1000
BDD-SWBF-070715-N	7/7/15 23:30	Calcium	79000	ug/l		UF	EPA200.8	SMP	68	1000
BDD-SWBF-070715-N	7/7/15 23:30	Chromium	16	ug/l		UF	EPA200.8	SMP	0.6	10
BDD-SWBF-070715-N	7/7/15 23:30	Chromium	17	ug/l		UF	EPA200.8	SMP	0.88	10
BDD-SWBF-070715-N	7/7/15 23:30	Cobalt	10	ug/l		UF	EPA200.8	SMP	0.24	1
BDD-SWBF-070715-N	7/7/15 23:30	Cobalt	11	ug/l		UF	EPA200.8	SMP	0.083	1
BDD-SWBF-070715-N	7/7/15 23:30	Copper	260	ug/l		UF	EPA200.8	SMP	3	10
BDD-SWBF-070715-N	7/7/15 23:30	Copper	28	ug/l		UF	EPA200.8	SMP	1.2	10
BDD-SWBF-070715-N	7/7/15 23:30	Iron	14000	ug/l		UF	EPA200.8	SMP	25	100
BDD-SWBF-070715-N	7/7/15 23:30	Iron	16000	ug/l		UF	EPA200.8	SMP	8.1	100
BDD-SWBF-070715-N	7/7/15 23:30	Lead	39	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWBF-070715-N	7/7/15 23:30	Lead	18	ug/l		UF	EPA200.8	SMP	0.17	0.5
BDD-SWBF-070715-N	7/7/15 23:30	Magnesium	15000	ug/l		UF	EPA200.8	SMP	45	100
BDD-SWBF-070715-N	7/7/15 23:30	Magnesium	15000	ug/l		UF	EPA200.8	SMP	18	100
BDD-SWBF-070715-N	7/7/15 23:30	Manganese	770	ug/l		UF	EPA200.8	SMP	0.7	2
BDD-SWBF-070715-N	7/7/15 23:30	Manganese	810	ug/l		UF	EPA200.8	SMP	0.34	2
BDD-SWBF-070715-N	7/7/15 23:30	Mercury	0.2	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWBF-070715-N	7/7/15 23:30	Mercury	0.2	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWBF-070715-N	7/7/15 23:30	Nickel	23	ug/l		UF	EPA200.8	SMP	2.4	5
BDD-SWBF-070715-N	7/7/15 23:30	Nickel	26	ug/l		UF	EPA200.8	SMP	4	5
BDD-SWBF-070715-N	7/7/15 23:30	Potassium	6700	ug/l		UF	EPA200.8	SMP	220	1000
BDD-SWBF-070715-N	7/7/15 23:30	Potassium	7700	ug/l		UF	EPA200.8	SMP	290	1000
BDD-SWBF-070715-N	7/7/15 23:30	Selenium	1.7	ug/l		UF	EPA200.8	SMP	0.68	1
BDD-SWBF-070715-N	7/7/15 23:30	Selenium	1.3	ug/l		UF	EPA200.8	SMP	0.66	1
BDD-SWBF-070715-N	7/7/15 23:30	Silver	0.06	ug/l	J	UF	EPA200.8	SMP	0.038	0.1
BDD-SWBF-070715-N	7/7/15 23:30	Silver	0.07	ug/l	J	UF	EPA200.8	SMP	0.041	0.1
BDD-SWBF-070715-N	7/7/15 23:30	Sodium	13000	ug/l		UF	EPA200.8	SMP	240	1000
BDD-SWBF-070715-N	7/7/15 23:30	Sodium	12000	ug/l		UF	EPA200.8	SMP	200	1000
BDD-SWBF-070715-N	7/7/15 23:30	Thallium	0.24	ug/l		UF	EPA200.8	SMP	0.04	0.2
BDD-SWBF-070715-N	7/7/15 23:30	Thallium	0.35	ug/l		UF	EPA200.8	SMP	0.018	0.2
BDD-SWBF-070715-N	7/7/15 23:30	Uranium	3.4	ug/l		UF	EPA200.8	SMP	0.05	0.1
BDD-SWBF-070715-N	7/7/15 23:30	Uranium	4.6	ug/l		UF	EPA200.8	SMP	0.02	0.1

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWBF-070715-N	7/7/15 23:30	Vanadium	33	ug/l		UF	EPA200.8	SMP	0.38	1
BDD-SWBF-070715-N	7/7/15 23:30	Vanadium	39	ug/l		UF	EPA200.8	SMP	0.71	1
BDD-SWBF-070715-N	7/7/15 23:30	Zinc	170	ug/l		UF	EPA200.8	SMP	6.2	20
BDD-SWBF-070715-N	7/7/15 23:30	Zinc	70	ug/l		UF	EPA200.8	SMP	9.8	20
BDD-SWBF-070815-O	7/8/15 0:00	Aluminum	19000	ug/l		UF	EPA200.8	SMP	13	50
BDD-SWBF-070815-O	7/8/15 0:00	Antimony	0.3	ug/l	U	UF	EPA200.8	SMP	0.18	0.3
BDD-SWBF-070815-O	7/8/15 0:00	Arsenic	4.6	ug/l		UF	EPA200.8	SMP	0.35	2
BDD-SWBF-070815-O	7/8/15 0:00	Barium	360	ug/l		UF	EPA200.8	SMP	0.58	1
BDD-SWBF-070815-O	7/8/15 0:00	Beryllium	1.2	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWBF-070815-O	7/8/15 0:00	Boron	26	ug/l	J	UF	EPA200.8	SMP	6.9	50
BDD-SWBF-070815-O	7/8/15 0:00	Cadmium	0.53	ug/l		UF	EPA200.8	SMP	0.18	0.3
BDD-SWBF-070815-O	7/8/15 0:00	Calcium	71000	ug/l		UF	EPA200.8	SMP	100	1000
BDD-SWBF-070815-O	7/8/15 0:00	Chromium	14	ug/l		UF	EPA200.8	SMP	0.6	10
BDD-SWBF-070815-O	7/8/15 0:00	Cobalt	10	ug/l		UF	EPA200.8	SMP	0.24	1
BDD-SWBF-070815-O	7/8/15 0:00	Copper	14	ug/l		UF	EPA200.8	SMP	3	10
BDD-SWBF-070815-O	7/8/15 0:00	Iron	13000	ug/l		UF	EPA200.8	SMP	25	100
BDD-SWBF-070815-O	7/8/15 0:00	Lead	15	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWBF-070815-O	7/8/15 0:00	Magnesium	14000	ug/l		UF	EPA200.8	SMP	45	100
BDD-SWBF-070815-O	7/8/15 0:00	Manganese	690	ug/l		UF	EPA200.8	SMP	0.7	2
BDD-SWBF-070815-O	7/8/15 0:00	Mercury	0.2	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWBF-070815-O	7/8/15 0:00	Nickel	20	ug/l		UF	EPA200.8	SMP	2.4	5
BDD-SWBF-070815-O	7/8/15 0:00	Potassium	6400	ug/l		UF	EPA200.8	SMP	220	1000
BDD-SWBF-070815-O	7/8/15 0:00	Selenium	1	ug/l		UF	EPA200.8	SMP	0.68	1
BDD-SWBF-070815-O	7/8/15 0:00	Silver	0.11	ug/l		UF	EPA200.8	SMP	0.038	0.1
BDD-SWBF-070815-O	7/8/15 0:00	Sodium	12000	ug/l		UF	EPA200.8	SMP	240	1000
BDD-SWBF-070815-O	7/8/15 0:00	Thallium	0.24	ug/l		UF	EPA200.8	SMP	0.04	0.2
BDD-SWBF-070815-O	7/8/15 0:00	Uranium	3.3	ug/l		UF	EPA200.8	SMP	0.05	0.1
BDD-SWBF-070815-O	7/8/15 0:00	Vanadium	34	ug/l		UF	EPA200.8	SMP	0.38	1
BDD-SWBF-070815-O	7/8/15 0:00	Zinc	53	ug/l		UF	EPA200.8	SMP	6.2	20
BDD-SWBF-070815-Q	7/8/15 1:00	Aluminum	15000	ug/l		UF	EPA200.8	SMP	13	50
BDD-SWBF-070815-Q	7/8/15 1:00	Antimony	0.3	ug/l	U	UF	EPA200.8	SMP	0.18	0.3
BDD-SWBF-070815-Q	7/8/15 1:00	Arsenic	3	ug/l		UF	EPA200.8	SMP	0.35	2
BDD-SWBF-070815-Q	7/8/15 1:00	Barium	290	ug/l		UF	EPA200.8	SMP	0.58	1
BDD-SWBF-070815-Q	7/8/15 1:00	Beryllium	0.73	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWBF-070815-Q	7/8/15 1:00	Boron	24	ug/l	J	UF	EPA200.8	SMP	6.9	50
BDD-SWBF-070815-Q	7/8/15 1:00	Cadmium	0.43	ug/l		UF	EPA200.8	SMP	0.18	0.3
BDD-SWBF-070815-Q	7/8/15 1:00	Calcium	59000	ug/l		UF	EPA200.8	SMP	100	1000
BDD-SWBF-070815-Q	7/8/15 1:00	Chromium	11	ug/l		UF	EPA200.8	SMP	0.6	10
BDD-SWBF-070815-Q	7/8/15 1:00	Cobalt	8.3	ug/l		UF	EPA200.8	SMP	0.24	1
BDD-SWBF-070815-Q	7/8/15 1:00	Copper	9.3	ug/l	J	UF	EPA200.8	SMP	3	10
BDD-SWBF-070815-Q	7/8/15 1:00	Iron	11000	ug/l		UF	EPA200.8	SMP	25	100
BDD-SWBF-070815-Q	7/8/15 1:00	Lead	11	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWBF-070815-Q	7/8/15 1:00	Magnesium	12000	ug/l		UF	EPA200.8	SMP	45	100
BDD-SWBF-070815-Q	7/8/15 1:00	Manganese	570	ug/l		UF	EPA200.8	SMP	0.7	2
BDD-SWBF-070815-Q	7/8/15 1:00	Mercury	0.2	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWBF-070815-Q	7/8/15 1:00	Nickel	18	ug/l		UF	EPA200.8	SMP	2.4	5
BDD-SWBF-070815-Q	7/8/15 1:00	Potassium	5600	ug/l		UF	EPA200.8	SMP	220	1000
BDD-SWBF-070815-Q	7/8/15 1:00	Selenium	1	ug/l		UF	EPA200.8	SMP	0.68	1
BDD-SWBF-070815-Q	7/8/15 1:00	Silver	0.1	ug/l	U	UF	EPA200.8	SMP	0.038	0.1
BDD-SWBF-070815-Q	7/8/15 1:00	Sodium	12000	ug/l		UF	EPA200.8	SMP	240	1000
BDD-SWBF-070815-Q	7/8/15 1:00	Thallium	0.22	ug/l		UF	EPA200.8	SMP	0.04	0.2
BDD-SWBF-070815-Q	7/8/15 1:00	Uranium	2.8	ug/l		UF	EPA200.8	SMP	0.05	0.1
BDD-SWBF-070815-Q	7/8/15 1:00	Vanadium	26	ug/l		UF	EPA200.8	SMP	0.38	1
BDD-SWBF-070815-Q	7/8/15 1:00	Zinc	39	ug/l		UF	EPA200.8	SMP	6.2	20
BDD-SWBF-070815-S	7/8/15 1:59	Aluminum	11000	ug/l		UF	EPA200.8	SMP	13	50
BDD-SWBF-070815-S	7/8/15 1:59	Antimony	0.18	ug/l	J	UF	EPA200.8	SMP	0.18	0.3

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWBF-070815-S	7/8/15 1:59	Arsenic	2	ug/l	J	UF	EPA200.8	SMP	0.35	2
BDD-SWBF-070815-S	7/8/15 1:59	Barium	210	ug/l		UF	EPA200.8	SMP	0.58	1
BDD-SWBF-070815-S	7/8/15 1:59	Beryllium	0.36	ug/l	J	UF	EPA200.8	SMP	0.13	0.5
BDD-SWBF-070815-S	7/8/15 1:59	Boron	14	ug/l	J	UF	EPA200.8	SMP	6.9	50
BDD-SWBF-070815-S	7/8/15 1:59	Cadmium	0.19	ug/l	J	UF	EPA200.8	SMP	0.18	0.3
BDD-SWBF-070815-S	7/8/15 1:59	Calcium	37000	ug/l		UF	EPA200.8	SMP	100	1000
BDD-SWBF-070815-S	7/8/15 1:59	Chromium	8.2	ug/l	J	UF	EPA200.8	SMP	0.6	10
BDD-SWBF-070815-S	7/8/15 1:59	Cobalt	4.8	ug/l		UF	EPA200.8	SMP	0.24	1
BDD-SWBF-070815-S	7/8/15 1:59	Copper	10	ug/l	U	UF	EPA200.8	SMP	3	10
BDD-SWBF-070815-S	7/8/15 1:59	Iron	7800	ug/l		UF	EPA200.8	SMP	25	100
BDD-SWBF-070815-S	7/8/15 1:59	Lead	6.7	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWBF-070815-S	7/8/15 1:59	Magnesium	7500	ug/l		UF	EPA200.8	SMP	45	100
BDD-SWBF-070815-S	7/8/15 1:59	Manganese	340	ug/l		UF	EPA200.8	SMP	0.7	2
BDD-SWBF-070815-S	7/8/15 1:59	Mercury	0.2	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWBF-070815-S	7/8/15 1:59	Nickel	10	ug/l		UF	EPA200.8	SMP	2.4	5
BDD-SWBF-070815-S	7/8/15 1:59	Potassium	3600	ug/l		UF	EPA200.8	SMP	220	1000
BDD-SWBF-070815-S	7/8/15 1:59	Selenium	1	ug/l		UF	EPA200.8	SMP	0.68	1
BDD-SWBF-070815-S	7/8/15 1:59	Silver	0.05	ug/l	J	UF	EPA200.8	SMP	0.038	0.1
BDD-SWBF-070815-S	7/8/15 1:59	Sodium	7000	ug/l		UF	EPA200.8	SMP	240	1000
BDD-SWBF-070815-S	7/8/15 1:59	Thallium	0.17	ug/l	J	UF	EPA200.8	SMP	0.04	0.2
BDD-SWBF-070815-S	7/8/15 1:59	Uranium	1.9	ug/l		UF	EPA200.8	SMP	0.05	0.1
BDD-SWBF-070815-S	7/8/15 1:59	Vanadium	18	ug/l		UF	EPA200.8	SMP	0.38	1
BDD-SWBF-070815-S	7/8/15 1:59	Zinc	24	ug/l		UF	EPA200.8	SMP	6.2	20
BDD-SWSF-070915-A	7/9/15 13:00	Aluminum	15000	ug/l		UF	EPA200.8	SMP	13	50
BDD-SWSF-070915-A	7/9/15 13:00	Antimony	0.3	ug/l	U	UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070915-A	7/9/15 13:00	Arsenic	4.9	ug/l		UF	EPA200.8	SMP	0.35	2
BDD-SWSF-070915-A	7/9/15 13:00	Barium	330	ug/l		UF	EPA200.8	SMP	0.58	1
BDD-SWSF-070915-A	7/9/15 13:00	Beryllium	0.72	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070915-A	7/9/15 13:00	Boron	23	ug/l	J	UF	EPA200.8	SMP	6.9	50
BDD-SWSF-070915-A	7/9/15 13:00	Cadmium	0.23	ug/l	J	UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-070915-A	7/9/15 13:00	Calcium	56000	ug/l		UF	EPA200.8	SMP	100	1000
BDD-SWSF-070915-A	7/9/15 13:00	Chromium	7.8	ug/l	J	UF	EPA200.8	SMP	0.6	10
BDD-SWSF-070915-A	7/9/15 13:00	Cobalt	6	ug/l		UF	EPA200.8	SMP	0.24	1
BDD-SWSF-070915-A	7/9/15 13:00	Copper	17	ug/l		UF	EPA200.8	SMP	3	10
BDD-SWSF-070915-A	7/9/15 13:00	Iron	9500	ug/l		UF	EPA200.8	SMP	25	100
BDD-SWSF-070915-A	7/9/15 13:00	Lead	13	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-070915-A	7/9/15 13:00	Magnesium	9900	ug/l		UF	EPA200.8	SMP	45	100
BDD-SWSF-070915-A	7/9/15 13:00	Manganese	490	ug/l		UF	EPA200.8	SMP	0.7	2
BDD-SWSF-070915-A	7/9/15 13:00	Mercury	0.2	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-070915-A	7/9/15 13:00	Nickel	8.7	ug/l		UF	EPA200.8	SMP	2.4	5
BDD-SWSF-070915-A	7/9/15 13:00	Potassium	5600	ug/l		UF	EPA200.8	SMP	220	1000
BDD-SWSF-070915-A	7/9/15 13:00	Selenium	0.78	ug/l	J	UF	EPA200.8	SMP	0.68	1
BDD-SWSF-070915-A	7/9/15 13:00	Silver	0.1	ug/l		UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-070915-A	7/9/15 13:00	Sodium	12000	ug/l		UF	EPA200.8	SMP	240	1000
BDD-SWSF-070915-A	7/9/15 13:00	Thallium	0.19	ug/l	J	UF	EPA200.8	SMP	0.04	0.2
BDD-SWSF-070915-A	7/9/15 13:00	Uranium	2.4	ug/l		UF	EPA200.8	SMP	0.05	0.1
BDD-SWSF-070915-A	7/9/15 13:00	Vanadium	20	ug/l		UF	EPA200.8	SMP	0.38	1
BDD-SWSF-070915-A	7/9/15 13:00	Zinc	38	ug/l		UF	EPA200.8	SMP	6.2	20
BDD-SWSF-072015-A	7/20/15 21:18	Aluminum	26000	ug/l		UF	EPA200.8	SMP	13	50
BDD-SWSF-072015-A-F	7/20/15 21:18	Aluminum	67	ug/l		F	EPA200.8	SMP	13	50
BDD-SWSF-072015-A	7/20/15 21:18	Antimony	0.3	ug/l	U	UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-072015-A-F	7/20/15 21:18	Antimony	0.25	ug/l	J	F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-072015-A	7/20/15 21:18	Arsenic	4	ug/l		UF	EPA200.8	SMP	0.35	2
BDD-SWSF-072015-A-F	7/20/15 21:18	Arsenic	1.7	ug/l	J	F	EPA200.8	SMP	0.35	2
BDD-SWSF-072015-A	7/20/15 21:18	Barium	480	ug/l		UF	EPA200.8	SMP	0.58	1
BDD-SWSF-072015-A-F	7/20/15 21:18	Barium	69	ug/l		F	EPA200.8	SMP	0.58	1

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-072015-A	7/20/15 21:18	Beryllium	1.4	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-072015-A-F	7/20/15 21:18	Beryllium	0.5	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-072015-A	7/20/15 21:18	Boron	32	ug/l	J	UF	EPA200.8	SMP	6.9	50
BDD-SWSF-072015-A-F	7/20/15 21:18	Boron	22	ug/l	J	F	EPA200.8	SMP	6.9	50
BDD-SWSF-072015-A	7/20/15 21:18	Cadmium	0.3	ug/l	U	UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-072015-A-F	7/20/15 21:18	Cadmium	0.3	ug/l	U	F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-072015-A	7/20/15 21:18	Calcium	67000	ug/l		UF	EPA200.8	SMP	100	1000
BDD-SWSF-072015-A-F	7/20/15 21:18	Calcium	28000	ug/l		F	EPA200.8	SMP	100	1000
BDD-SWSF-072015-A	7/20/15 21:18	Chromium	14	ug/l		UF	EPA200.8	SMP	0.6	10
BDD-SWSF-072015-A-F	7/20/15 21:18	Chromium	10	ug/l	U	F	EPA200.8	SMP	0.6	10
BDD-SWSF-072015-A	7/20/15 21:18	Cobalt	11	ug/l		UF	EPA200.8	SMP	0.24	1
BDD-SWSF-072015-A-F	7/20/15 21:18	Cobalt	2.4	ug/l		F	EPA200.8	SMP	0.24	1
BDD-SWSF-072015-A	7/20/15 21:18	Copper	10	ug/l		UF	EPA200.8	SMP	3	10
BDD-SWSF-072015-A-F	7/20/15 21:18	Copper	10	ug/l	U	F	EPA200.8	SMP	3	10
BDD-SWSF-072015-A	7/20/15 21:18	Iron	17000	ug/l		UF	EPA200.8	SMP	25	100
BDD-SWSF-072015-A-F	7/20/15 21:18	Iron	100	ug/l	U	F	EPA200.8	SMP	25	100
BDD-SWSF-072015-A	7/20/15 21:18	Lead	15	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-072015-A-F	7/20/15 21:18	Lead	0.5	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-072015-A	7/20/15 21:18	Magnesium	14000	ug/l		UF	EPA200.8	SMP	45	100
BDD-SWSF-072015-A-F	7/20/15 21:18	Magnesium	4100	ug/l		F	EPA200.8	SMP	45	100
BDD-SWSF-072015-A	7/20/15 21:18	Manganese	660	ug/l		UF	EPA200.8	SMP	0.7	2
BDD-SWSF-072015-A-F	7/20/15 21:18	Manganese	5.9	ug/l		F	EPA200.8	SMP	0.7	2
BDD-SWSF-072015-A	7/20/15 21:18	Mercury	0.2	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-072015-C	7/20/15 21:18	Mercury	0.076	ug/l	J	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-072015-A-F	7/20/15 21:18	Mercury	0.2	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-072015-C-F	7/20/15 21:18	Mercury	0.2	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-072015-A	7/20/15 21:18	Nickel	24	ug/l		UF	EPA200.8	SMP	2.4	5
BDD-SWSF-072015-A-F	7/20/15 21:18	Nickel	5	ug/l	U	F	EPA200.8	SMP	2.4	5
BDD-SWSF-072015-A	7/20/15 21:18	Potassium	7100	ug/l		UF	EPA200.8	SMP	220	1000
BDD-SWSF-072015-A-F	7/20/15 21:18	Potassium	1900	ug/l		F	EPA200.8	SMP	220	1000
BDD-SWSF-072015-A	7/20/15 21:18	Selenium	1.7	ug/l		UF	EPA200.8	SMP	0.68	1
BDD-SWSF-072015-A-F	7/20/15 21:18	Selenium	1	ug/l	U	F	EPA200.8	SMP	0.68	1
BDD-SWSF-072015-A	7/20/15 21:18	Silver	0.1	ug/l	U	UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-072015-A-F	7/20/15 21:18	Silver	0.1	ug/l	U	F	EPA200.8	SMP	0.038	0.1
BDD-SWSF-072015-A	7/20/15 21:18	Sodium	13000	ug/l		UF	EPA200.8	SMP	240	1000
BDD-SWSF-072015-A-F	7/20/15 21:18	Sodium	12000	ug/l		F	EPA200.8	SMP	240	1000
BDD-SWSF-072015-A	7/20/15 21:18	Thallium	0.21	ug/l		UF	EPA200.8	SMP	0.04	0.2
BDD-SWSF-072015-A-F	7/20/15 21:18	Thallium	0.2	ug/l	U	F	EPA200.8	SMP	0.04	0.2
BDD-SWSF-072015-A	7/20/15 21:18	Uranium	3	ug/l		UF	EPA200.8	SMP	0.05	0.1
BDD-SWSF-072015-A-F	7/20/15 21:18	Uranium	1.2	ug/l		F	EPA200.8	SMP	0.05	0.1
BDD-SWSF-072015-A	7/20/15 21:18	Vanadium	37	ug/l		UF	EPA200.8	SMP	0.38	1
BDD-SWSF-072015-A-F	7/20/15 21:18	Vanadium	5.4	ug/l		F	EPA200.8	SMP	0.38	1
BDD-SWSF-072015-A	7/20/15 21:18	Zinc	35	ug/l		UF	EPA200.8	SMP	6.2	20
BDD-SWSF-072015-A-F	7/20/15 21:18	Zinc	20	ug/l	U	F	EPA200.8	SMP	6.2	20
BDD-SWSF-072015-B	7/20/15 21:48	Aluminum	45000	ug/l		UF	EPA200.8	SMP	13	50
BDD-SWSF-072015-B-F	7/20/15 21:48	Aluminum	1200	ug/l		F	EPA200.8	SMP	13	50
BDD-SWSF-072015-B	7/20/15 21:48	Antimony	0.3	ug/l	U	UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-072015-B-F	7/20/15 21:48	Antimony	0.31	ug/l		F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-072015-B	7/20/15 21:48	Arsenic	8.6	ug/l		UF	EPA200.8	SMP	0.35	2
BDD-SWSF-072015-B-F	7/20/15 21:48	Arsenic	1.6	ug/l	J	F	EPA200.8	SMP	0.35	2
BDD-SWSF-072015-B	7/20/15 21:48	Barium	760	ug/l		UF	EPA200.8	SMP	0.58	1
BDD-SWSF-072015-B-F	7/20/15 21:48	Barium	75	ug/l		F	EPA200.8	SMP	0.58	1
BDD-SWSF-072015-B	7/20/15 21:48	Beryllium	4	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-072015-B-F	7/20/15 21:48	Beryllium	0.5	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-072015-B	7/20/15 21:48	Boron	37	ug/l	J	UF	EPA200.8	SMP	6.9	50
BDD-SWSF-072015-B-F	7/20/15 21:48	Boron	21	ug/l	J	F	EPA200.8	SMP	6.9	50

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-072015-B	7/20/15 21:48	Cadmium	0.43	ug/l		UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-072015-B-F	7/20/15 21:48	Cadmium	0.3	ug/l	U	F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-072015-B	7/20/15 21:48	Calcium	72000	ug/l		UF	EPA200.8	SMP	100	1000
BDD-SWSF-072015-B-F	7/20/15 21:48	Calcium	31000	ug/l		F	EPA200.8	SMP	100	1000
BDD-SWSF-072015-B	7/20/15 21:48	Chromium	28	ug/l		UF	EPA200.8	SMP	0.6	10
BDD-SWSF-072015-B-F	7/20/15 21:48	Chromium	1.1	ug/l	J	F	EPA200.8	SMP	0.6	10
BDD-SWSF-072015-B	7/20/15 21:48	Cobalt	20	ug/l		UF	EPA200.8	SMP	0.24	1
BDD-SWSF-072015-B-F	7/20/15 21:48	Cobalt	2.9	ug/l		F	EPA200.8	SMP	0.24	1
BDD-SWSF-072015-B	7/20/15 21:48	Copper	37	ug/l		UF	EPA200.8	SMP	3	10
BDD-SWSF-072015-B-F	7/20/15 21:48	Copper	10	ug/l	U	F	EPA200.8	SMP	3	10
BDD-SWSF-072015-B	7/20/15 21:48	Iron	35000	ug/l		UF	EPA200.8	SMP	25	100
BDD-SWSF-072015-B-F	7/20/15 21:48	Iron	760	ug/l		F	EPA200.8	SMP	25	100
BDD-SWSF-072015-B	7/20/15 21:48	Lead	58	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-072015-B-F	7/20/15 21:48	Lead	0.44	ug/l	J	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-072015-B	7/20/15 21:48	Magnesium	20000	ug/l		UF	EPA200.8	SMP	45	100
BDD-SWSF-072015-B-F	7/20/15 21:48	Magnesium	4300	ug/l		F	EPA200.8	SMP	45	100
BDD-SWSF-072015-B	7/20/15 21:48	Manganese	1700	ug/l		UF	EPA200.8	SMP	0.7	2
BDD-SWSF-072015-B-F	7/20/15 21:48	Manganese	41	ug/l		F	EPA200.8	SMP	0.7	2
BDD-SWSF-072015-B	7/20/15 21:48	Mercury	0.098	ug/l	J	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-072015-B-F	7/20/15 21:48	Mercury	0.2	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-072015-B	7/20/15 21:48	Nickel	39	ug/l		UF	EPA200.8	SMP	2.4	5
BDD-SWSF-072015-B-F	7/20/15 21:48	Nickel	5	ug/l	U	F	EPA200.8	SMP	2.4	5
BDD-SWSF-072015-B	7/20/15 21:48	Potassium	12000	ug/l		UF	EPA200.8	SMP	220	1000
BDD-SWSF-072015-B-F	7/20/15 21:48	Potassium	2800	ug/l		F	EPA200.8	SMP	220	1000
BDD-SWSF-072015-B	7/20/15 21:48	Selenium	5.2	ug/l		UF	EPA200.8	SMP	0.68	1
BDD-SWSF-072015-B-F	7/20/15 21:48	Selenium	1	ug/l	U	F	EPA200.8	SMP	0.68	1
BDD-SWSF-072015-B	7/20/15 21:48	Silver	0.18	ug/l		UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-072015-B-F	7/20/15 21:48	Silver	0.04	ug/l	J	F	EPA200.8	SMP	0.038	0.1
BDD-SWSF-072015-B	7/20/15 21:48	Sodium	13000	ug/l		UF	EPA200.8	SMP	240	1000
BDD-SWSF-072015-B-F	7/20/15 21:48	Sodium	12000	ug/l		F	EPA200.8	SMP	240	1000
BDD-SWSF-072015-B	7/20/15 21:48	Thallium	0.75	ug/l		UF	EPA200.8	SMP	0.04	0.2
BDD-SWSF-072015-B-F	7/20/15 21:48	Thallium	0.05	ug/l	J	F	EPA200.8	SMP	0.04	0.2
BDD-SWSF-072015-B	7/20/15 21:48	Uranium	5.6	ug/l		UF	EPA200.8	SMP	0.05	0.1
BDD-SWSF-072015-B-F	7/20/15 21:48	Uranium	1.3	ug/l		F	EPA200.8	SMP	0.05	0.1
BDD-SWSF-072015-B	7/20/15 21:48	Vanadium	60	ug/l		UF	EPA200.8	SMP	0.38	1
BDD-SWSF-072015-B-F	7/20/15 21:48	Vanadium	6.5	ug/l		F	EPA200.8	SMP	0.38	1
BDD-SWSF-072015-B	7/20/15 21:48	Zinc	140	ug/l		UF	EPA200.8	SMP	6.2	20
BDD-SWSF-072015-B-F	7/20/15 21:48	Zinc	20	ug/l	U	F	EPA200.8	SMP	6.2	20
BDD-SWSF-072015-C	7/20/15 22:18	Aluminum	36000	ug/l		UF	EPA200.8	SMP	13	50
BDD-SWSF-072015-C-F	7/20/15 22:18	Aluminum	130	ug/l		F	EPA200.8	SMP	13	50
BDD-SWSF-072015-C	7/20/15 22:18	Antimony	0.28	ug/l	J	UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-072015-C-F	7/20/15 22:18	Antimony	0.3	ug/l	U	F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-072015-C	7/20/15 22:18	Arsenic	9.4	ug/l		UF	EPA200.8	SMP	0.35	2
BDD-SWSF-072015-C-F	7/20/15 22:18	Arsenic	1.5	ug/l	J	F	EPA200.8	SMP	0.35	2
BDD-SWSF-072015-C	7/20/15 22:18	Barium	590	ug/l		UF	EPA200.8	SMP	0.58	1
BDD-SWSF-072015-C-F	7/20/15 22:18	Barium	65	ug/l		F	EPA200.8	SMP	0.58	1
BDD-SWSF-072015-C	7/20/15 22:18	Beryllium	3.1	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-072015-C-F	7/20/15 22:18	Beryllium	0.5	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-072015-C	7/20/15 22:18	Boron	33	ug/l	J	UF	EPA200.8	SMP	6.9	50
BDD-SWSF-072015-C-F	7/20/15 22:18	Boron	20	ug/l	J	F	EPA200.8	SMP	6.9	50
BDD-SWSF-072015-C	7/20/15 22:18	Cadmium	0.63	ug/l		UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-072015-C-F	7/20/15 22:18	Cadmium	0.3	ug/l	U	F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-072015-C	7/20/15 22:18	Calcium	61000	ug/l		UF	EPA200.8	SMP	100	1000
BDD-SWSF-072015-C-F	7/20/15 22:18	Calcium	29000	ug/l		F	EPA200.8	SMP	100	1000
BDD-SWSF-072015-C	7/20/15 22:18	Chromium	24	ug/l		UF	EPA200.8	SMP	0.6	10
BDD-SWSF-072015-C-F	7/20/15 22:18	Chromium	10	ug/l	U	F	EPA200.8	SMP	0.6	10

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-072015-C	7/20/15 22:18	Cobalt	16	ug/l		UF	EPA200.8	SMP	0.24	1
BDD-SWSF-072015-C-F	7/20/15 22:18	Cobalt	2.7	ug/l		F	EPA200.8	SMP	0.24	1
BDD-SWSF-072015-C	7/20/15 22:18	Copper	32	ug/l		UF	EPA200.8	SMP	3	10
BDD-SWSF-072015-C-F	7/20/15 22:18	Copper	10	ug/l	U	F	EPA200.8	SMP	3	10
BDD-SWSF-072015-C	7/20/15 22:18	Iron	31000	ug/l		UF	EPA200.8	SMP	25	100
BDD-SWSF-072015-C-F	7/20/15 22:18	Iron	75	ug/l	J	F	EPA200.8	SMP	25	100
BDD-SWSF-072015-C	7/20/15 22:18	Lead	43	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-072015-C-F	7/20/15 22:18	Lead	0.5	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-072015-C	7/20/15 22:18	Magnesium	17000	ug/l		UF	EPA200.8	SMP	45	100
BDD-SWSF-072015-C-F	7/20/15 22:18	Magnesium	3800	ug/l		F	EPA200.8	SMP	45	100
BDD-SWSF-072015-C	7/20/15 22:18	Manganese	1300	ug/l		UF	EPA200.8	SMP	0.7	2
BDD-SWSF-072015-C-F	7/20/15 22:18	Manganese	11	ug/l		F	EPA200.8	SMP	0.7	2
BDD-SWSF-072015-C	7/20/15 22:18	Nickel	35	ug/l		UF	EPA200.8	SMP	2.4	5
BDD-SWSF-072015-C-F	7/20/15 22:18	Nickel	5	ug/l	U	F	EPA200.8	SMP	2.4	5
BDD-SWSF-072015-C	7/20/15 22:18	Potassium	10000	ug/l		UF	EPA200.8	SMP	220	1000
BDD-SWSF-072015-C-F	7/20/15 22:18	Potassium	2400	ug/l		F	EPA200.8	SMP	220	1000
BDD-SWSF-072015-C	7/20/15 22:18	Selenium	2.6	ug/l		UF	EPA200.8	SMP	0.68	1
BDD-SWSF-072015-C-F	7/20/15 22:18	Selenium	0.82	ug/l	J	F	EPA200.8	SMP	0.68	1
BDD-SWSF-072015-C	7/20/15 22:18	Silver	0.17	ug/l		UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-072015-C-F	7/20/15 22:18	Silver	0.1	ug/l	U	F	EPA200.8	SMP	0.038	0.1
BDD-SWSF-072015-C	7/20/15 22:18	Sodium	13000	ug/l		UF	EPA200.8	SMP	240	1000
BDD-SWSF-072015-C-F	7/20/15 22:18	Sodium	11000	ug/l		F	EPA200.8	SMP	240	1000
BDD-SWSF-072015-C	7/20/15 22:18	Thallium	0.63	ug/l		UF	EPA200.8	SMP	0.04	0.2
BDD-SWSF-072015-C-F	7/20/15 22:18	Thallium	0.2	ug/l	U	F	EPA200.8	SMP	0.04	0.2
BDD-SWSF-072015-C	7/20/15 22:18	Uranium	4.4	ug/l		UF	EPA200.8	SMP	0.05	0.1
BDD-SWSF-072015-C-F	7/20/15 22:18	Uranium	1.3	ug/l		F	EPA200.8	SMP	0.05	0.1
BDD-SWSF-072015-C	7/20/15 22:18	Vanadium	52	ug/l		UF	EPA200.8	SMP	0.38	1
BDD-SWSF-072015-C-F	7/20/15 22:18	Vanadium	5.2	ug/l		F	EPA200.8	SMP	0.38	1
BDD-SWSF-072015-C	7/20/15 22:18	Zinc	96	ug/l		UF	EPA200.8	SMP	6.2	20
BDD-SWSF-072015-C-F	7/20/15 22:18	Zinc	20	ug/l	U	F	EPA200.8	SMP	6.2	20
BDD-SWSF-072015-D	7/20/15 22:48	Aluminum	20000	ug/l		UF	EPA200.8	SMP	13	50
BDD-SWSF-072015-D-F	7/20/15 22:48	Aluminum	34.6	ug/l	J	F	EPA200.8	DUP	13.1	50
BDD-SWSF-072015-D-F	7/20/15 22:48	Aluminum	39	ug/l	J	F	EPA200.8	SMP	13	50
BDD-SWSF-072015-D	7/20/15 22:48	Antimony	0.3	ug/l	U	UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-072015-D-F	7/20/15 22:48	Antimony	0.179	ug/l	U	F	EPA200.8	DUP	0.179	0.3
BDD-SWSF-072015-D-F	7/20/15 22:48	Antimony	0.35	ug/l		F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-072015-D	7/20/15 22:48	Arsenic	5.5	ug/l		UF	EPA200.8	SMP	0.35	2
BDD-SWSF-072015-D-F	7/20/15 22:48	Arsenic	1.25	ug/l	J	F	EPA200.8	DUP	0.348	2
BDD-SWSF-072015-D-F	7/20/15 22:48	Arsenic	2.8	ug/l		F	EPA200.8	SMP	0.35	2
BDD-SWSF-072015-D	7/20/15 22:48	Barium	340	ug/l		UF	EPA200.8	SMP	0.58	1
BDD-SWSF-072015-D-F	7/20/15 22:48	Barium	59.7	ug/l		F	EPA200.8	DUP	0.581	1
BDD-SWSF-072015-D-F	7/20/15 22:48	Barium	60	ug/l		F	EPA200.8	SMP	0.58	1
BDD-SWSF-072015-D	7/20/15 22:48	Beryllium	1.3	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-072015-D-F	7/20/15 22:48	Beryllium	0.131	ug/l	U	F	EPA200.8	DUP	0.131	0.5
BDD-SWSF-072015-D-F	7/20/15 22:48	Beryllium	0.5	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-072015-D	7/20/15 22:48	Boron	54	ug/l		UF	EPA200.8	SMP	6.9	50
BDD-SWSF-072015-D-F	7/20/15 22:48	Boron	23.4	ug/l	J	F	EPA200.8	DUP	6.91	50
BDD-SWSF-072015-D-F	7/20/15 22:48	Boron	29	ug/l	J	F	EPA200.8	SMP	6.9	50
BDD-SWSF-072015-D	7/20/15 22:48	Cadmium	0.22	ug/l	J	UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-072015-D-F	7/20/15 22:48	Cadmium	0.177	ug/l	U	F	EPA200.8	DUP	0.177	0.3
BDD-SWSF-072015-D-F	7/20/15 22:48	Cadmium	0.3	ug/l	U	F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-072015-D	7/20/15 22:48	Calcium	44000	ug/l		UF	EPA200.8	SMP	100	1000
BDD-SWSF-072015-D-F	7/20/15 22:48	Calcium	27400	ug/l		F	EPA200.8	DUP	100	1000
BDD-SWSF-072015-D-F	7/20/15 22:48	Calcium	27000	ug/l		F	EPA200.8	SMP	100	1000
BDD-SWSF-072015-D	7/20/15 22:48	Chromium	11	ug/l		UF	EPA200.8	SMP	0.6	10
BDD-SWSF-072015-D-F	7/20/15 22:48	Chromium	0.6	ug/l	U	F	EPA200.8	DUP	0.6	10

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-072015-D-F	7/20/15 22:48	Chromium	10	ug/l	U	F	EPA200.8	SMP	0.6	10
BDD-SWSF-072015-D	7/20/15 22:48	Cobalt	7.6	ug/l		UF	EPA200.8	SMP	0.24	1
BDD-SWSF-072015-D-F	7/20/15 22:48	Cobalt	1.89	ug/l		F	EPA200.8	DUP	0.24	1
BDD-SWSF-072015-D-F	7/20/15 22:48	Cobalt	2	ug/l		F	EPA200.8	SMP	0.24	1
BDD-SWSF-072015-D	7/20/15 22:48	Copper	9.5	ug/l	J	UF	EPA200.8	SMP	3	10
BDD-SWSF-072015-D-F	7/20/15 22:48	Copper	3.05	ug/l	U	F	EPA200.8	DUP	3.05	10
BDD-SWSF-072015-D-F	7/20/15 22:48	Copper	10	ug/l	U	F	EPA200.8	SMP	3	10
BDD-SWSF-072015-D	7/20/15 22:48	Iron	14000	ug/l		UF	EPA200.8	SMP	25	100
BDD-SWSF-072015-D-F	7/20/15 22:48	Iron	24.7	ug/l	U	F	EPA200.8	DUP	24.7	100
BDD-SWSF-072015-D-F	7/20/15 22:48	Iron	100	ug/l	U	F	EPA200.8	SMP	25	100
BDD-SWSF-072015-D	7/20/15 22:48	Lead	17	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-072015-D-F	7/20/15 22:48	Lead	0.13	ug/l	U	F	EPA200.8	DUP	0.13	0.5
BDD-SWSF-072015-D-F	7/20/15 22:48	Lead	0.5	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-072015-D	7/20/15 22:48	Magnesium	11000	ug/l		UF	EPA200.8	SMP	45	100
BDD-SWSF-072015-D-F	7/20/15 22:48	Magnesium	4140	ug/l		F	EPA200.8	DUP	44.6	100
BDD-SWSF-072015-D-F	7/20/15 22:48	Magnesium	4200	ug/l		F	EPA200.8	SMP	45	100
BDD-SWSF-072015-D	7/20/15 22:48	Manganese	610	ug/l		UF	EPA200.8	SMP	0.7	2
BDD-SWSF-072015-D-F	7/20/15 22:48	Manganese	2.36	ug/l		F	EPA200.8	DUP	0.695	2
BDD-SWSF-072015-D-F	7/20/15 22:48	Manganese	3.3	ug/l		F	EPA200.8	SMP	0.7	2
BDD-SWSF-072015-D	7/20/15 22:48	Mercury	0.2	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-072015-D-F	7/20/15 22:48	Mercury	0.06	ug/l	U	F	EPA245.1	DUP	0.06	0.2
BDD-SWSF-072015-D-F	7/20/15 22:48	Mercury	0.2	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-072015-D	7/20/15 22:48	Nickel	15	ug/l		UF	EPA200.8	SMP	2.4	5
BDD-SWSF-072015-D-F	7/20/15 22:48	Nickel	2.44	ug/l	U	F	EPA200.8	DUP	2.44	5
BDD-SWSF-072015-D-F	7/20/15 22:48	Nickel	2.8	ug/l	J	F	EPA200.8	SMP	2.4	5
BDD-SWSF-072015-D	7/20/15 22:48	Potassium	6500	ug/l		UF	EPA200.8	SMP	220	1000
BDD-SWSF-072015-D-F	7/20/15 22:48	Potassium	1940	ug/l		F	EPA200.8	DUP	220	1000
BDD-SWSF-072015-D-F	7/20/15 22:48	Potassium	2000	ug/l		F	EPA200.8	SMP	220	1000
BDD-SWSF-072015-D	7/20/15 22:48	Selenium	1.4	ug/l		UF	EPA200.8	SMP	0.68	1
BDD-SWSF-072015-D-F	7/20/15 22:48	Selenium	1	ug/l	J	F	EPA200.8	DUP	0.675	1
BDD-SWSF-072015-D-F	7/20/15 22:48	Selenium	0.8	ug/l	J	F	EPA200.8	SMP	0.68	1
BDD-SWSF-072015-D	7/20/15 22:48	Silver	0.14	ug/l		UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-072015-D-F	7/20/15 22:48	Silver	0.0379	ug/l	U	F	EPA200.8	DUP	0.0379	0.1
BDD-SWSF-072015-D-F	7/20/15 22:48	Silver	0.1	ug/l	U	F	EPA200.8	SMP	0.038	0.1
BDD-SWSF-072015-D	7/20/15 22:48	Sodium	13000	ug/l		UF	EPA200.8	SMP	240	1000
BDD-SWSF-072015-D-F	7/20/15 22:48	Sodium	11400	ug/l		F	EPA200.8	DUP	245	1000
BDD-SWSF-072015-D-F	7/20/15 22:48	Sodium	12000	ug/l		F	EPA200.8	SMP	240	1000
BDD-SWSF-072015-D	7/20/15 22:48	Thallium	0.35	ug/l		UF	EPA200.8	SMP	0.04	0.2
BDD-SWSF-072015-D-F	7/20/15 22:48	Thallium	0.0402	ug/l	U	F	EPA200.8	DUP	0.0402	0.2
BDD-SWSF-072015-D-F	7/20/15 22:48	Thallium	0.2	ug/l	U	F	EPA200.8	SMP	0.04	0.2
BDD-SWSF-072015-D	7/20/15 22:48	Uranium	2.7	ug/l		UF	EPA200.8	SMP	0.05	0.1
BDD-SWSF-072015-D-F	7/20/15 22:48	Uranium	1.29	ug/l		F	EPA200.8	DUP	0.0502	0.1
BDD-SWSF-072015-D-F	7/20/15 22:48	Uranium	1.3	ug/l		F	EPA200.8	SMP	0.05	0.1
BDD-SWSF-072015-D	7/20/15 22:48	Vanadium	27	ug/l		UF	EPA200.8	SMP	0.38	1
BDD-SWSF-072015-D-F	7/20/15 22:48	Vanadium	4.83	ug/l		F	EPA200.8	DUP	0.382	1
BDD-SWSF-072015-D-F	7/20/15 22:48	Vanadium	4.4	ug/l		F	EPA200.8	SMP	0.38	1
BDD-SWSF-072015-D	7/20/15 22:48	Zinc	48	ug/l		UF	EPA200.8	SMP	6.2	20
BDD-SWSF-072015-D-F	7/20/15 22:48	Zinc	6.21	ug/l	U	F	EPA200.8	DUP	6.21	20
BDD-SWSF-072015-D-F	7/20/15 22:48	Zinc	20	ug/l	U	F	EPA200.8	SMP	6.2	20
BDD-SWSF-072015-E	7/20/15 23:18	Aluminum	12000	ug/l		UF	EPA200.8	SMP	13	50
BDD-SWSF-072015-E-F	7/20/15 23:18	Aluminum	21	ug/l	J	F	EPA200.8	DUP	13.1	50
BDD-SWSF-072015-E-F	7/20/15 23:18	Aluminum	15	ug/l	J	F	EPA200.8	SMP	13	50
BDD-SWSF-072015-E	7/20/15 23:18	Antimony	0.3	ug/l	U	UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-072015-E-F	7/20/15 23:18	Antimony	0.179	ug/l	U	F	EPA200.8	DUP	0.179	0.3
BDD-SWSF-072015-E-F	7/20/15 23:18	Antimony	0.44	ug/l		F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-072015-E	7/20/15 23:18	Arsenic	3.2	ug/l		UF	EPA200.8	SMP	0.35	2

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-072015-E-F	7/20/15 23:18	Arsenic	2.2	ug/l		F	EPA200.8	DUP	0.348	2
BDD-SWSF-072015-E-F	7/20/15 23:18	Arsenic	2	ug/l	J	F	EPA200.8	SMP	0.35	2
BDD-SWSF-072015-E	7/20/15 23:18	Barium	230	ug/l		UF	EPA200.8	SMP	0.58	1
BDD-SWSF-072015-E-F	7/20/15 23:18	Barium	59.4	ug/l		F	EPA200.8	DUP	0.581	1
BDD-SWSF-072015-E-F	7/20/15 23:18	Barium	57	ug/l		F	EPA200.8	SMP	0.58	1
BDD-SWSF-072015-E	7/20/15 23:18	Beryllium	0.53	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-072015-E-F	7/20/15 23:18	Beryllium	0.131	ug/l	U	F	EPA200.8	DUP	0.131	0.5
BDD-SWSF-072015-E-F	7/20/15 23:18	Beryllium	0.5	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-072015-E	7/20/15 23:18	Boron	60	ug/l		UF	EPA200.8	SMP	6.9	50
BDD-SWSF-072015-E-F	7/20/15 23:18	Boron	25.8	ug/l	J	F	EPA200.8	DUP	6.91	50
BDD-SWSF-072015-E-F	7/20/15 23:18	Boron	34	ug/l	J	F	EPA200.8	SMP	6.9	50
BDD-SWSF-072015-E	7/20/15 23:18	Cadmium	0.3	ug/l	U	UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-072015-E-F	7/20/15 23:18	Cadmium	0.177	ug/l	U	F	EPA200.8	DUP	0.177	0.3
BDD-SWSF-072015-E-F	7/20/15 23:18	Cadmium	0.3	ug/l	U	F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-072015-E	7/20/15 23:18	Calcium	40000	ug/l		UF	EPA200.8	SMP	100	1000
BDD-SWSF-072015-E-F	7/20/15 23:18	Calcium	28800	ug/l		F	EPA200.8	DUP	100	1000
BDD-SWSF-072015-E-F	7/20/15 23:18	Calcium	28000	ug/l		F	EPA200.8	SMP	100	1000
BDD-SWSF-072015-E	7/20/15 23:18	Chromium	7.7	ug/l	J	UF	EPA200.8	SMP	0.6	10
BDD-SWSF-072015-E-F	7/20/15 23:18	Chromium	0.6	ug/l	U	F	EPA200.8	DUP	0.6	10
BDD-SWSF-072015-E-F	7/20/15 23:18	Chromium	10	ug/l	U	F	EPA200.8	SMP	0.6	10
BDD-SWSF-072015-E	7/20/15 23:18	Cobalt	4.5	ug/l		UF	EPA200.8	SMP	0.24	1
BDD-SWSF-072015-E-F	7/20/15 23:18	Cobalt	1.92	ug/l		F	EPA200.8	DUP	0.24	1
BDD-SWSF-072015-E-F	7/20/15 23:18	Cobalt	1.9	ug/l		F	EPA200.8	SMP	0.24	1
BDD-SWSF-072015-E	7/20/15 23:18	Copper	3.3	ug/l	J	UF	EPA200.8	SMP	3	10
BDD-SWSF-072015-E-F	7/20/15 23:18	Copper	3.05	ug/l	U	F	EPA200.8	DUP	3.05	10
BDD-SWSF-072015-E-F	7/20/15 23:18	Copper	10	ug/l	U	F	EPA200.8	SMP	3	10
BDD-SWSF-072015-E	7/20/15 23:18	Iron	8000	ug/l		UF	EPA200.8	SMP	25	100
BDD-SWSF-072015-E-F	7/20/15 23:18	Iron	24.7	ug/l	U	F	EPA200.8	DUP	24.7	100
BDD-SWSF-072015-E-F	7/20/15 23:18	Iron	100	ug/l	U	F	EPA200.8	SMP	25	100
BDD-SWSF-072015-E	7/20/15 23:18	Lead	9.1	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-072015-E-F	7/20/15 23:18	Lead	0.13	ug/l	U	F	EPA200.8	DUP	0.13	0.5
BDD-SWSF-072015-E-F	7/20/15 23:18	Lead	0.5	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-072015-E	7/20/15 23:18	Magnesium	8100	ug/l		UF	EPA200.8	SMP	45	100
BDD-SWSF-072015-E-F	7/20/15 23:18	Magnesium	4180	ug/l		F	EPA200.8	DUP	44.6	100
BDD-SWSF-072015-E-F	7/20/15 23:18	Magnesium	4200	ug/l		F	EPA200.8	SMP	45	100
BDD-SWSF-072015-E	7/20/15 23:18	Manganese	370	ug/l		UF	EPA200.8	SMP	0.7	2
BDD-SWSF-072015-E-F	7/20/15 23:18	Manganese	2.39	ug/l		F	EPA200.8	DUP	0.695	2
BDD-SWSF-072015-E-F	7/20/15 23:18	Manganese	2.9	ug/l		F	EPA200.8	SMP	0.7	2
BDD-SWSF-072015-E	7/20/15 23:18	Mercury	0.2	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-072015-E-F	7/20/15 23:18	Mercury	0.06	ug/l	U	F	EPA245.1	DUP	0.06	0.2
BDD-SWSF-072015-E-F	7/20/15 23:18	Mercury	0.2	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-072015-E	7/20/15 23:18	Nickel	7.6	ug/l		UF	EPA200.8	SMP	2.4	5
BDD-SWSF-072015-E-F	7/20/15 23:18	Nickel	2.44	ug/l	U	F	EPA200.8	DUP	2.44	5
BDD-SWSF-072015-E-F	7/20/15 23:18	Nickel	5	ug/l	U	F	EPA200.8	SMP	2.4	5
BDD-SWSF-072015-E	7/20/15 23:18	Potassium	4600	ug/l		UF	EPA200.8	SMP	220	1000
BDD-SWSF-072015-E-F	7/20/15 23:18	Potassium	1870	ug/l		F	EPA200.8	DUP	220	1000
BDD-SWSF-072015-E-F	7/20/15 23:18	Potassium	2000	ug/l		F	EPA200.8	SMP	220	1000
BDD-SWSF-072015-E	7/20/15 23:18	Selenium	1.9	ug/l		UF	EPA200.8	SMP	0.68	1
BDD-SWSF-072015-E-F	7/20/15 23:18	Selenium	0.675	ug/l	U	F	EPA200.8	DUP	0.675	1
BDD-SWSF-072015-E-F	7/20/15 23:18	Selenium	0.81	ug/l	J	F	EPA200.8	SMP	0.68	1
BDD-SWSF-072015-E	7/20/15 23:18	Silver	0.1	ug/l	U	UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-072015-E-F	7/20/15 23:18	Silver	0.0379	ug/l	U	F	EPA200.8	DUP	0.0379	0.1
BDD-SWSF-072015-E-F	7/20/15 23:18	Silver	0.1	ug/l	U	F	EPA200.8	SMP	0.038	0.1
BDD-SWSF-072015-E	7/20/15 23:18	Sodium	12000	ug/l		UF	EPA200.8	SMP	240	1000
BDD-SWSF-072015-E-F	7/20/15 23:18	Sodium	11900	ug/l		F	EPA200.8	DUP	245	1000
BDD-SWSF-072015-E-F	7/20/15 23:18	Sodium	12000	ug/l		F	EPA200.8	SMP	240	1000

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-072015-E	7/20/15 23:18	Thallium	0.24	ug/l		UF	EPA200.8	SMP	0.04	0.2
BDD-SWSF-072015-E-F	7/20/15 23:18	Thallium	0.0402	ug/l	U	F	EPA200.8	DUP	0.0402	0.2
BDD-SWSF-072015-E-F	7/20/15 23:18	Thallium	0.2	ug/l	U	F	EPA200.8	SMP	0.04	0.2
BDD-SWSF-072015-E	7/20/15 23:18	Uranium	2.1	ug/l		UF	EPA200.8	SMP	0.05	0.1
BDD-SWSF-072015-E-F	7/20/15 23:18	Uranium	1.35	ug/l		F	EPA200.8	DUP	0.0502	0.1
BDD-SWSF-072015-E-F	7/20/15 23:18	Uranium	1.3	ug/l		F	EPA200.8	SMP	0.05	0.1
BDD-SWSF-072015-E	7/20/15 23:18	Vanadium	17	ug/l		UF	EPA200.8	SMP	0.38	1
BDD-SWSF-072015-E-F	7/20/15 23:18	Vanadium	4.38	ug/l		F	EPA200.8	DUP	0.382	1
BDD-SWSF-072015-E-F	7/20/15 23:18	Vanadium	5.1	ug/l		F	EPA200.8	SMP	0.38	1
BDD-SWSF-072015-E	7/20/15 23:18	Zinc	17	ug/l	J	UF	EPA200.8	SMP	6.2	20
BDD-SWSF-072015-E-F	7/20/15 23:18	Zinc	6.21	ug/l	U	F	EPA200.8	DUP	6.21	20
BDD-SWSF-072015-E-F	7/20/15 23:18	Zinc	20	ug/l	U	F	EPA200.8	SMP	6.2	20
BDD-SWSF-072015-F	7/20/15 23:48	Aluminum	8900	ug/l		UF	EPA200.8	SMP	13	50
BDD-SWSF-072015-F-F	7/20/15 23:48	Aluminum	26	ug/l	J	F	EPA200.8	SMP	13	50
BDD-SWSF-072015-F	7/20/15 23:48	Antimony	0.3	ug/l	U	UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-072015-F-F	7/20/15 23:48	Antimony	0.29	ug/l	J	F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-072015-F	7/20/15 23:48	Arsenic	2	ug/l	J	UF	EPA200.8	SMP	0.35	2
BDD-SWSF-072015-F-F	7/20/15 23:48	Arsenic	1.6	ug/l	J	F	EPA200.8	SMP	0.35	2
BDD-SWSF-072015-F	7/20/15 23:48	Barium	210	ug/l		UF	EPA200.8	SMP	0.58	1
BDD-SWSF-072015-F-F	7/20/15 23:48	Barium	59	ug/l		F	EPA200.8	SMP	0.58	1
BDD-SWSF-072015-F	7/20/15 23:48	Beryllium	0.33	ug/l	J	UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-072015-F-F	7/20/15 23:48	Beryllium	0.5	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-072015-F	7/20/15 23:48	Boron	58	ug/l		UF	EPA200.8	SMP	6.9	50
BDD-SWSF-072015-F-F	7/20/15 23:48	Boron	38	ug/l	J	F	EPA200.8	SMP	6.9	50
BDD-SWSF-072015-F	7/20/15 23:48	Cadmium	0.3	ug/l	U	UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-072015-F-F	7/20/15 23:48	Cadmium	0.3	ug/l	U	F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-072015-F	7/20/15 23:48	Calcium	39000	ug/l		UF	EPA200.8	SMP	100	1000
BDD-SWSF-072015-F-F	7/20/15 23:48	Calcium	28000	ug/l		F	EPA200.8	SMP	100	1000
BDD-SWSF-072015-F	7/20/15 23:48	Chromium	6.3	ug/l	J	UF	EPA200.8	SMP	0.6	10
BDD-SWSF-072015-F-F	7/20/15 23:48	Chromium	0.96	ug/l	J	F	EPA200.8	SMP	0.6	10
BDD-SWSF-072015-F	7/20/15 23:48	Cobalt	3.2	ug/l		UF	EPA200.8	SMP	0.24	1
BDD-SWSF-072015-F-F	7/20/15 23:48	Cobalt	1.7	ug/l		F	EPA200.8	SMP	0.24	1
BDD-SWSF-072015-F	7/20/15 23:48	Copper	10	ug/l	U	UF	EPA200.8	SMP	3	10
BDD-SWSF-072015-F-F	7/20/15 23:48	Copper	10	ug/l	U	F	EPA200.8	SMP	3	10
BDD-SWSF-072015-F	7/20/15 23:48	Iron	6100	ug/l		UF	EPA200.8	SMP	25	100
BDD-SWSF-072015-F-F	7/20/15 23:48	Iron	100	ug/l	U	F	EPA200.8	SMP	25	100
BDD-SWSF-072015-F	7/20/15 23:48	Lead	6.7	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-072015-F-F	7/20/15 23:48	Lead	0.5	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-072015-F	7/20/15 23:48	Magnesium	7600	ug/l		UF	EPA200.8	SMP	45	100
BDD-SWSF-072015-F-F	7/20/15 23:48	Magnesium	4200	ug/l		F	EPA200.8	SMP	45	100
BDD-SWSF-072015-F	7/20/15 23:48	Manganese	290	ug/l		UF	EPA200.8	SMP	0.7	2
BDD-SWSF-072015-F-F	7/20/15 23:48	Manganese	3.2	ug/l		F	EPA200.8	SMP	0.7	2
BDD-SWSF-072015-F	7/20/15 23:48	Mercury	0.2	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-072015-F-F	7/20/15 23:48	Mercury	0.2	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-072015-F	7/20/15 23:48	Nickel	9.1	ug/l		UF	EPA200.8	SMP	2.4	5
BDD-SWSF-072015-F-F	7/20/15 23:48	Nickel	2.9	ug/l	J	F	EPA200.8	SMP	2.4	5
BDD-SWSF-072015-F	7/20/15 23:48	Potassium	4100	ug/l		UF	EPA200.8	SMP	220	1000
BDD-SWSF-072015-F-F	7/20/15 23:48	Potassium	2200	ug/l		F	EPA200.8	SMP	220	1000
BDD-SWSF-072015-F	7/20/15 23:48	Selenium	1	ug/l	U	UF	EPA200.8	SMP	0.68	1
BDD-SWSF-072015-F-F	7/20/15 23:48	Selenium	1	ug/l	U	F	EPA200.8	SMP	0.68	1
BDD-SWSF-072015-F	7/20/15 23:48	Silver	0.05	ug/l	J	UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-072015-F-F	7/20/15 23:48	Silver	0.1	ug/l	U	F	EPA200.8	SMP	0.038	0.1
BDD-SWSF-072015-F	7/20/15 23:48	Sodium	12000	ug/l		UF	EPA200.8	SMP	240	1000
BDD-SWSF-072015-F-F	7/20/15 23:48	Sodium	12000	ug/l		F	EPA200.8	SMP	240	1000
BDD-SWSF-072015-F	7/20/15 23:48	Thallium	0.16	ug/l	J	UF	EPA200.8	SMP	0.04	0.2
BDD-SWSF-072015-F-F	7/20/15 23:48	Thallium	0.2	ug/l	U	F	EPA200.8	SMP	0.04	0.2

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-072015-F	7/20/15 23:48	Uranium	2	ug/l		UF	EPA200.8	SMP	0.05	0.1
BDD-SWSF-072015-F-F	7/20/15 23:48	Uranium	1.4	ug/l		F	EPA200.8	SMP	0.05	0.1
BDD-SWSF-072015-F	7/20/15 23:48	Vanadium	14	ug/l		UF	EPA200.8	SMP	0.38	1
BDD-SWSF-072015-F-F	7/20/15 23:48	Vanadium	4.7	ug/l		F	EPA200.8	SMP	0.38	1
BDD-SWSF-072015-F	7/20/15 23:48	Zinc	15	ug/l	J	UF	EPA200.8	SMP	6.2	20
BDD-SWSF-072015-F-F	7/20/15 23:48	Zinc	20	ug/l	U	F	EPA200.8	SMP	6.2	20
BDD-SWSF-073015-A	7/30/15 0:22	Aluminum	8800	ug/l		UF	EPA200.8	SMP	13	50
BDD-SWSF-073015-A	7/30/15 0:22	Antimony	0.18	ug/l	J	UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-073015-A	7/30/15 0:22	Arsenic	2.9	ug/l		UF	EPA200.8	SMP	0.35	2
BDD-SWSF-073015-A	7/30/15 0:22	Barium	270	ug/l		UF	EPA200.8	SMP	0.58	1
BDD-SWSF-073015-A	7/30/15 0:22	Beryllium	0.3	ug/l	J	UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-073015-A	7/30/15 0:22	Boron	23	ug/l	J	UF	EPA200.8	SMP	6.9	50
BDD-SWSF-073015-A	7/30/15 0:22	Cadmium	0.33	ug/l		UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-073015-A	7/30/15 0:22	Calcium	45000	ug/l		UF	EPA200.8	SMP	100	1000
BDD-SWSF-073015-A	7/30/15 0:22	Chromium	6	ug/l	J	UF	EPA200.8	SMP	0.6	10
BDD-SWSF-073015-A	7/30/15 0:22	Cobalt	3.8	ug/l		UF	EPA200.8	SMP	0.24	1
BDD-SWSF-073015-A	7/30/15 0:22	Copper	8.5	ug/l	J	UF	EPA200.8	SMP	3	10
BDD-SWSF-073015-A	7/30/15 0:22	Iron	6000	ug/l		UF	EPA200.8	SMP	25	100
BDD-SWSF-073015-A	7/30/15 0:22	Lead	6.7	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-073015-A	7/30/15 0:22	Magnesium	8200	ug/l		UF	EPA200.8	SMP	45	100
BDD-SWSF-073015-A	7/30/15 0:22	Manganese	290	ug/l		UF	EPA200.8	SMP	0.7	2
BDD-SWSF-073015-A	7/30/15 0:22	Mercury	0.2	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-073015-A	7/30/15 0:22	Nickel	8.2	ug/l		UF	EPA200.8	SMP	2.4	5
BDD-SWSF-073015-A	7/30/15 0:22	Potassium	4300	ug/l		UF	EPA200.8	SMP	220	1000
BDD-SWSF-073015-A	7/30/15 0:22	Selenium	1	ug/l	U	UF	EPA200.8	SMP	0.68	1
BDD-SWSF-073015-A	7/30/15 0:22	Silver	0.1	ug/l	U	UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-073015-A	7/30/15 0:22	Sodium	13000	ug/l		UF	EPA200.8	SMP	240	1000
BDD-SWSF-073015-A	7/30/15 0:22	Thallium	0.1	ug/l	J	UF	EPA200.8	SMP	0.04	0.2
BDD-SWSF-073015-A	7/30/15 0:22	Uranium	2	ug/l		UF	EPA200.8	SMP	0.05	0.1
BDD-SWSF-073015-A	7/30/15 0:22	Vanadium	14	ug/l		UF	EPA200.8	SMP	0.38	1
BDD-SWSF-073015-A	7/30/15 0:22	Zinc	11	ug/l	J	UF	EPA200.8	SMP	6.2	20
BDD-SWSF-073015-B	7/30/15 0:52	Aluminum	13000	ug/l		UF	EPA200.8	SMP	13	50
BDD-SWSF-073015-B	7/30/15 0:52	Antimony	0.3	ug/l	U	UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-073015-B	7/30/15 0:52	Arsenic	4.4	ug/l		UF	EPA200.8	SMP	0.35	2
BDD-SWSF-073015-B	7/30/15 0:52	Barium	280	ug/l		UF	EPA200.8	SMP	0.58	1
BDD-SWSF-073015-B	7/30/15 0:52	Beryllium	0.43	ug/l	J	UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-073015-B	7/30/15 0:52	Boron	39	ug/l	J	UF	EPA200.8	SMP	6.9	50
BDD-SWSF-073015-B	7/30/15 0:52	Cadmium	0.3	ug/l	U	UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-073015-B	7/30/15 0:52	Calcium	51000	ug/l		UF	EPA200.8	SMP	100	1000
BDD-SWSF-073015-B	7/30/15 0:52	Chromium	7.9	ug/l	J	UF	EPA200.8	SMP	0.6	10
BDD-SWSF-073015-B	7/30/15 0:52	Cobalt	4.8	ug/l		UF	EPA200.8	SMP	0.24	1
BDD-SWSF-073015-B	7/30/15 0:52	Copper	8.9	ug/l	J	UF	EPA200.8	SMP	3	10
BDD-SWSF-073015-B	7/30/15 0:52	Iron	8800	ug/l		UF	EPA200.8	SMP	25	100
BDD-SWSF-073015-B	7/30/15 0:52	Lead	8.7	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-073015-B	7/30/15 0:52	Magnesium	9800	ug/l		UF	EPA200.8	SMP	45	100
BDD-SWSF-073015-B	7/30/15 0:52	Manganese	360	ug/l		UF	EPA200.8	SMP	0.7	2
BDD-SWSF-073015-B	7/30/15 0:52	Mercury	0.2	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-073015-B	7/30/15 0:52	Nickel	12	ug/l		UF	EPA200.8	SMP	2.4	5
BDD-SWSF-073015-B	7/30/15 0:52	Potassium	5000	ug/l		UF	EPA200.8	SMP	220	1000
BDD-SWSF-073015-B	7/30/15 0:52	Selenium	1.1	ug/l		UF	EPA200.8	SMP	0.68	1
BDD-SWSF-073015-B	7/30/15 0:52	Silver	0.05	ug/l	J	UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-073015-B	7/30/15 0:52	Sodium	13000	ug/l		UF	EPA200.8	SMP	240	1000
BDD-SWSF-073015-B	7/30/15 0:52	Thallium	0.17	ug/l	J	UF	EPA200.8	SMP	0.04	0.2
BDD-SWSF-073015-B	7/30/15 0:52	Uranium	3.2	ug/l		UF	EPA200.8	SMP	0.05	0.1
BDD-SWSF-073015-B	7/30/15 0:52	Vanadium	19	ug/l		UF	EPA200.8	SMP	0.38	1
BDD-SWSF-073015-B	7/30/15 0:52	Zinc	24	ug/l		UF	EPA200.8	SMP	6.2	20

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-073015-C	7/30/15 1:22	Aluminum	84000	ug/l		UF	EPA200.8	SMP	13	50
BDD-SWSF-073015-C	7/30/15 1:22	Antimony	0.28	ug/l	J	UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-073015-C	7/30/15 1:22	Arsenic	18	ug/l		UF	EPA200.8	SMP	0.35	2
BDD-SWSF-073015-C	7/30/15 1:22	Barium	1800	ug/l		UF	EPA200.8	SMP	0.58	1
BDD-SWSF-073015-C	7/30/15 1:22	Beryllium	9.2	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-073015-C	7/30/15 1:22	Boron	80	ug/l		UF	EPA200.8	SMP	6.9	50
BDD-SWSF-073015-C	7/30/15 1:22	Cadmium	1.1	ug/l		UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-073015-C	7/30/15 1:22	Calcium	470000	ug/l		UF	EPA200.8	SMP	100	1000
BDD-SWSF-073015-C	7/30/15 1:22	Chromium	71	ug/l		UF	EPA200.8	SMP	0.6	10
BDD-SWSF-073015-C	7/30/15 1:22	Cobalt	56	ug/l		UF	EPA200.8	SMP	0.24	1
BDD-SWSF-073015-C	7/30/15 1:22	Copper	95	ug/l		UF	EPA200.8	SMP	3	10
BDD-SWSF-073015-C	7/30/15 1:22	Iron	66000	ug/l		UF	EPA200.8	SMP	25	100
BDD-SWSF-073015-C	7/30/15 1:22	Lead	90	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-073015-C	7/30/15 1:22	Magnesium	60000	ug/l		UF	EPA200.8	SMP	45	100
BDD-SWSF-073015-C	7/30/15 1:22	Manganese	4100	ug/l		UF	EPA200.8	SMP	0.7	2
BDD-SWSF-073015-C	7/30/15 1:22	Mercury	0.12	ug/l	J	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-073015-C	7/30/15 1:22	Nickel	120	ug/l		UF	EPA200.8	SMP	2.4	5
BDD-SWSF-073015-C	7/30/15 1:22	Potassium	25000	ug/l		UF	EPA200.8	SMP	220	1000
BDD-SWSF-073015-C	7/30/15 1:22	Selenium	8.3	ug/l		UF	EPA200.8	SMP	0.68	1
BDD-SWSF-073015-C	7/30/15 1:22	Silver	0.17	ug/l		UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-073015-C	7/30/15 1:22	Sodium	16000	ug/l		UF	EPA200.8	SMP	240	1000
BDD-SWSF-073015-C	7/30/15 1:22	Thallium	1.2	ug/l		UF	EPA200.8	SMP	0.04	0.2
BDD-SWSF-073015-C	7/30/15 1:22	Uranium	32	ug/l		UF	EPA200.8	SMP	0.05	0.1
BDD-SWSF-073015-C	7/30/15 1:22	Vanadium	130	ug/l		UF	EPA200.8	SMP	0.38	1
BDD-SWSF-073015-C	7/30/15 1:22	Zinc	300	ug/l		UF	EPA200.8	SMP	6.2	20
BDD-SWSF-073015-D	7/30/15 1:52	Aluminum	130000	ug/l		UF	EPA200.8	SMP	13	50
BDD-SWSF-073015-D	7/30/15 1:52	Antimony	0.3	ug/l	U	UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-073015-D	7/30/15 1:52	Arsenic	27	ug/l		UF	EPA200.8	SMP	0.35	2
BDD-SWSF-073015-D	7/30/15 1:52	Barium	2100	ug/l		UF	EPA200.8	SMP	0.58	1
BDD-SWSF-073015-D	7/30/15 1:52	Beryllium	11	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-073015-D	7/30/15 1:52	Boron	90	ug/l		UF	EPA200.8	SMP	6.9	50
BDD-SWSF-073015-D	7/30/15 1:52	Cadmium	1.6	ug/l		UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-073015-D	7/30/15 1:52	Calcium	470000	ug/l		UF	EPA200.8	SMP	100	1000
BDD-SWSF-073015-D	7/30/15 1:52	Chromium	100	ug/l		UF	EPA200.8	SMP	0.6	10
BDD-SWSF-073015-D	7/30/15 1:52	Cobalt	73	ug/l		UF	EPA200.8	SMP	0.24	1
BDD-SWSF-073015-D	7/30/15 1:52	Copper	130	ug/l		UF	EPA200.8	SMP	3	10
BDD-SWSF-073015-D	7/30/15 1:52	Iron	100000	ug/l		UF	EPA200.8	SMP	25	100
BDD-SWSF-073015-D	7/30/15 1:52	Lead	100	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-073015-D	7/30/15 1:52	Magnesium	77000	ug/l		UF	EPA200.8	SMP	45	100
BDD-SWSF-073015-D	7/30/15 1:52	Manganese	4900	ug/l		UF	EPA200.8	SMP	0.7	2
BDD-SWSF-073015-D	7/30/15 1:52	Mercury	0.15	ug/l	J	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-073015-D	7/30/15 1:52	Nickel	150	ug/l		UF	EPA200.8	SMP	2.4	5
BDD-SWSF-073015-D	7/30/15 1:52	Potassium	35000	ug/l		UF	EPA200.8	SMP	220	1000
BDD-SWSF-073015-D	7/30/15 1:52	Selenium	10	ug/l		UF	EPA200.8	SMP	0.68	1
BDD-SWSF-073015-D	7/30/15 1:52	Silver	0.15	ug/l		UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-073015-D	7/30/15 1:52	Sodium	17000	ug/l		UF	EPA200.8	SMP	240	1000
BDD-SWSF-073015-D	7/30/15 1:52	Thallium	1.7	ug/l		UF	EPA200.8	SMP	0.04	0.2
BDD-SWSF-073015-D	7/30/15 1:52	Uranium	34	ug/l		UF	EPA200.8	SMP	0.05	0.1
BDD-SWSF-073015-D	7/30/15 1:52	Vanadium	170	ug/l		UF	EPA200.8	SMP	0.38	1
BDD-SWSF-073015-D	7/30/15 1:52	Zinc	410	ug/l		UF	EPA200.8	SMP	6.2	20
BDD-SWSF-073015-E	7/30/15 2:22	Aluminum	110000	ug/l		UF	EPA200.8	SMP	13	50
BDD-SWSF-073015-E-F	7/30/15 2:22	Aluminum	940	ug/l		F	EPA200.8	SMP	13	50
BDD-SWSF-073015-E	7/30/15 2:22	Antimony	0.19	ug/l	J	UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-073015-E-F	7/30/15 2:22	Antimony	0.21	ug/l	J	F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-073015-E	7/30/15 2:22	Arsenic	21	ug/l		UF	EPA200.8	SMP	0.35	2
BDD-SWSF-073015-E-F	7/30/15 2:22	Arsenic	2.9	ug/l		F	EPA200.8	SMP	0.35	2

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-073015-E	7/30/15 2:22	Barium	1700	ug/l		UF	EPA200.8	SMP	0.58	1
BDD-SWSF-073015-E-F	7/30/15 2:22	Barium	89	ug/l		F	EPA200.8	SMP	0.58	1
BDD-SWSF-073015-E	7/30/15 2:22	Beryllium	8.4	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-073015-E-F	7/30/15 2:22	Beryllium	0.5	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-073015-E	7/30/15 2:22	Boron	84	ug/l		UF	EPA200.8	SMP	6.9	50
BDD-SWSF-073015-E-F	7/30/15 2:22	Boron	28	ug/l	J	F	EPA200.8	SMP	6.9	50
BDD-SWSF-073015-E	7/30/15 2:22	Cadmium	1.1	ug/l		UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-073015-E-F	7/30/15 2:22	Cadmium	0.3	ug/l	U	F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-073015-E	7/30/15 2:22	Calcium	370000	ug/l		UF	EPA200.8	SMP	100	1000
BDD-SWSF-073015-E-F	7/30/15 2:22	Calcium	29000	ug/l		F	EPA200.8	SMP	100	1000
BDD-SWSF-073015-E	7/30/15 2:22	Chromium	87	ug/l		UF	EPA200.8	SMP	0.6	10
BDD-SWSF-073015-E-F	7/30/15 2:22	Chromium	10	ug/l	U	F	EPA200.8	SMP	0.6	10
BDD-SWSF-073015-E	7/30/15 2:22	Cobalt	58	ug/l		UF	EPA200.8	SMP	0.24	1
BDD-SWSF-073015-E-F	7/30/15 2:22	Cobalt	3.7	ug/l		F	EPA200.8	SMP	0.24	1
BDD-SWSF-073015-E	7/30/15 2:22	Copper	92	ug/l		UF	EPA200.8	SMP	3	10
BDD-SWSF-073015-E-F	7/30/15 2:22	Copper	10	ug/l	U	F	EPA200.8	SMP	3	10
BDD-SWSF-073015-E	7/30/15 2:22	Iron	84000	ug/l		UF	EPA200.8	SMP	25	100
BDD-SWSF-073015-E-F	7/30/15 2:22	Iron	70	ug/l	J	F	EPA200.8	SMP	25	100
BDD-SWSF-073015-E	7/30/15 2:22	Lead	87	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-073015-E-F	7/30/15 2:22	Lead	0.5	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-073015-E	7/30/15 2:22	Magnesium	64000	ug/l		UF	EPA200.8	SMP	45	100
BDD-SWSF-073015-E-F	7/30/15 2:22	Magnesium	3900	ug/l		F	EPA200.8	SMP	45	100
BDD-SWSF-073015-E	7/30/15 2:22	Manganese	4100	ug/l		UF	EPA200.8	SMP	0.7	2
BDD-SWSF-073015-E-F	7/30/15 2:22	Manganese	8.3	ug/l		F	EPA200.8	SMP	0.7	2
BDD-SWSF-073015-E	7/30/15 2:22	Mercury	0.13	ug/l	J	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-073015-E-F	7/30/15 2:22	Mercury	0.2	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-073015-E	7/30/15 2:22	Nickel	120	ug/l		UF	EPA200.8	SMP	2.4	5
BDD-SWSF-073015-E-F	7/30/15 2:22	Nickel	5	ug/l	U	F	EPA200.8	SMP	2.4	5
BDD-SWSF-073015-E	7/30/15 2:22	Potassium	29000	ug/l		UF	EPA200.8	SMP	220	1000
BDD-SWSF-073015-E-F	7/30/15 2:22	Potassium	2400	ug/l		F	EPA200.8	SMP	220	1000
BDD-SWSF-073015-E	7/30/15 2:22	Selenium	7.4	ug/l		UF	EPA200.8	SMP	0.68	1
BDD-SWSF-073015-E-F	7/30/15 2:22	Selenium	1.1	ug/l		F	EPA200.8	SMP	0.68	1
BDD-SWSF-073015-E	7/30/15 2:22	Silver	0.2	ug/l		UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-073015-E-F	7/30/15 2:22	Silver	0.08	ug/l	J	F	EPA200.8	SMP	0.038	0.1
BDD-SWSF-073015-E	7/30/15 2:22	Sodium	16000	ug/l		UF	EPA200.8	SMP	240	1000
BDD-SWSF-073015-E-F	7/30/15 2:22	Sodium	14000	ug/l		F	EPA200.8	SMP	240	1000
BDD-SWSF-073015-E	7/30/15 2:22	Thallium	1.4	ug/l		UF	EPA200.8	SMP	0.04	0.2
BDD-SWSF-073015-E-F	7/30/15 2:22	Thallium	0.05	ug/l	J	F	EPA200.8	SMP	0.04	0.2
BDD-SWSF-073015-E	7/30/15 2:22	Uranium	27	ug/l		UF	EPA200.8	SMP	0.05	0.1
BDD-SWSF-073015-E-F	7/30/15 2:22	Uranium	3.6	ug/l		F	EPA200.8	SMP	0.05	0.1
BDD-SWSF-073015-E	7/30/15 2:22	Vanadium	150	ug/l		UF	EPA200.8	SMP	0.38	1
BDD-SWSF-073015-E-F	7/30/15 2:22	Vanadium	7.2	ug/l		F	EPA200.8	SMP	0.38	1
BDD-SWSF-073015-E	7/30/15 2:22	Zinc	370	ug/l		UF	EPA200.8	SMP	6.2	20
BDD-SWSF-073015-E-F	7/30/15 2:22	Zinc	160	ug/l		F	EPA200.8	SMP	6.2	20
BDD-SWSF-073015-F	7/30/15 2:52	Aluminum	76000	ug/l		UF	EPA200.8	SMP	13	50
BDD-SWSF-073015-F	7/30/15 2:52	Antimony	0.3	ug/l	U	UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-073015-F	7/30/15 2:52	Arsenic	16	ug/l		UF	EPA200.8	SMP	0.35	2
BDD-SWSF-073015-F	7/30/15 2:52	Barium	1300	ug/l		UF	EPA200.8	SMP	0.58	1
BDD-SWSF-073015-F	7/30/15 2:52	Beryllium	5.7	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-073015-F	7/30/15 2:52	Boron	67	ug/l		UF	EPA200.8	SMP	6.9	50
BDD-SWSF-073015-F	7/30/15 2:52	Cadmium	0.69	ug/l		UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-073015-F	7/30/15 2:52	Calcium	260000	ug/l		UF	EPA200.8	SMP	100	1000
BDD-SWSF-073015-F	7/30/15 2:52	Chromium	63	ug/l		UF	EPA200.8	SMP	0.6	10
BDD-SWSF-073015-F	7/30/15 2:52	Cobalt	42	ug/l		UF	EPA200.8	SMP	0.24	1
BDD-SWSF-073015-F	7/30/15 2:52	Copper	70	ug/l		UF	EPA200.8	SMP	3	10
BDD-SWSF-073015-F	7/30/15 2:52	Iron	63000	ug/l		UF	EPA200.8	SMP	25	100

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-073015-F	7/30/15 2:52	Lead	60	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-073015-F	7/30/15 2:52	Magnesium	47000	ug/l		UF	EPA200.8	SMP	45	100
BDD-SWSF-073015-F	7/30/15 2:52	Manganese	2900	ug/l		UF	EPA200.8	SMP	0.7	2
BDD-SWSF-073015-F	7/30/15 2:52	Mercury	0.1	ug/l	J	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-073015-F	7/30/15 2:52	Nickel	81	ug/l		UF	EPA200.8	SMP	2.4	5
BDD-SWSF-073015-F	7/30/15 2:52	Potassium	22000	ug/l		UF	EPA200.8	SMP	220	1000
BDD-SWSF-073015-F	7/30/15 2:52	Selenium	4.4	ug/l		UF	EPA200.8	SMP	0.68	1
BDD-SWSF-073015-F	7/30/15 2:52	Silver	0.11	ug/l		UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-073015-F	7/30/15 2:52	Sodium	15000	ug/l		UF	EPA200.8	SMP	240	1000
BDD-SWSF-073015-F	7/30/15 2:52	Thallium	1.1	ug/l		UF	EPA200.8	SMP	0.04	0.2
BDD-SWSF-073015-F	7/30/15 2:52	Uranium	19	ug/l		UF	EPA200.8	SMP	0.05	0.1
BDD-SWSF-073015-F	7/30/15 2:52	Vanadium	110	ug/l		UF	EPA200.8	SMP	0.38	1
BDD-SWSF-073015-F	7/30/15 2:52	Zinc	270	ug/l		UF	EPA200.8	SMP	6.2	20
BDD-SWSF-073015-G	7/30/15 3:22	Aluminum	65000	ug/l		UF	EPA200.8	SMP	13	50
BDD-SWSF-073015-G-F	7/30/15 3:22	Aluminum	210	ug/l		F	EPA200.8	SMP	13	50
BDD-SWSF-073015-G	7/30/15 3:22	Antimony	0.3	ug/l	U	UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-073015-G-F	7/30/15 3:22	Antimony	0.18	ug/l	J	F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-073015-G	7/30/15 3:22	Arsenic	14	ug/l		UF	EPA200.8	SMP	0.35	2
BDD-SWSF-073015-G-F	7/30/15 3:22	Arsenic	2.5	ug/l		F	EPA200.8	SMP	0.35	2
BDD-SWSF-073015-G	7/30/15 3:22	Barium	850	ug/l		UF	EPA200.8	SMP	0.58	1
BDD-SWSF-073015-G-F	7/30/15 3:22	Barium	79	ug/l		F	EPA200.8	SMP	0.58	1
BDD-SWSF-073015-G	7/30/15 3:22	Beryllium	4.1	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-073015-G-F	7/30/15 3:22	Beryllium	0.5	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-073015-G	7/30/15 3:22	Boron	61	ug/l		UF	EPA200.8	SMP	6.9	50
BDD-SWSF-073015-G-F	7/30/15 3:22	Boron	27	ug/l	J	F	EPA200.8	SMP	6.9	50
BDD-SWSF-073015-G	7/30/15 3:22	Cadmium	0.59	ug/l		UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-073015-G-F	7/30/15 3:22	Cadmium	0.3	ug/l	U	F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-073015-G	7/30/15 3:22	Calcium	170000	ug/l		UF	EPA200.8	SMP	100	1000
BDD-SWSF-073015-G-F	7/30/15 3:22	Calcium	31000	ug/l		F	EPA200.8	SMP	100	1000
BDD-SWSF-073015-G	7/30/15 3:22	Chromium	49	ug/l		UF	EPA200.8	SMP	0.6	10
BDD-SWSF-073015-G-F	7/30/15 3:22	Chromium	10	ug/l	U	F	EPA200.8	SMP	0.6	10
BDD-SWSF-073015-G	7/30/15 3:22	Cobalt	28	ug/l		UF	EPA200.8	SMP	0.24	1
BDD-SWSF-073015-G-F	7/30/15 3:22	Cobalt	3	ug/l		F	EPA200.8	SMP	0.24	1
BDD-SWSF-073015-G	7/30/15 3:22	Copper	52	ug/l		UF	EPA200.8	SMP	3	10
BDD-SWSF-073015-G-F	7/30/15 3:22	Copper	10	ug/l	U	F	EPA200.8	SMP	3	10
BDD-SWSF-073015-G	7/30/15 3:22	Iron	51000	ug/l		UF	EPA200.8	SMP	25	100
BDD-SWSF-073015-G-F	7/30/15 3:22	Iron	140	ug/l		F	EPA200.8	SMP	25	100
BDD-SWSF-073015-G	7/30/15 3:22	Lead	42	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-073015-G-F	7/30/15 3:22	Lead	0.5	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-073015-G	7/30/15 3:22	Magnesium	37000	ug/l		UF	EPA200.8	SMP	45	100
BDD-SWSF-073015-G-F	7/30/15 3:22	Magnesium	4100	ug/l		F	EPA200.8	SMP	45	100
BDD-SWSF-073015-G	7/30/15 3:22	Manganese	2000	ug/l		UF	EPA200.8	SMP	0.7	2
BDD-SWSF-073015-G-F	7/30/15 3:22	Manganese	9.9	ug/l		F	EPA200.8	SMP	0.7	2
BDD-SWSF-073015-G	7/30/15 3:22	Mercury	0.2	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-073015-G-F	7/30/15 3:22	Mercury	0.2	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-073015-G	7/30/15 3:22	Nickel	60	ug/l		UF	EPA200.8	SMP	2.4	5
BDD-SWSF-073015-G-F	7/30/15 3:22	Nickel	5	ug/l	U	F	EPA200.8	SMP	2.4	5
BDD-SWSF-073015-G	7/30/15 3:22	Potassium	18000	ug/l		UF	EPA200.8	SMP	220	1000
BDD-SWSF-073015-G-F	7/30/15 3:22	Potassium	2200	ug/l		F	EPA200.8	SMP	220	1000
BDD-SWSF-073015-G	7/30/15 3:22	Selenium	3.1	ug/l		UF	EPA200.8	SMP	0.68	1
BDD-SWSF-073015-G-F	7/30/15 3:22	Selenium	1	ug/l	U	F	EPA200.8	SMP	0.68	1
BDD-SWSF-073015-G	7/30/15 3:22	Silver	0.12	ug/l		UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-073015-G-F	7/30/15 3:22	Silver	0.1	ug/l	U	F	EPA200.8	SMP	0.038	0.1
BDD-SWSF-073015-G	7/30/15 3:22	Sodium	15000	ug/l		UF	EPA200.8	SMP	240	1000
BDD-SWSF-073015-G-F	7/30/15 3:22	Sodium	13000	ug/l		F	EPA200.8	SMP	240	1000
BDD-SWSF-073015-G	7/30/15 3:22	Thallium	0.81	ug/l		UF	EPA200.8	SMP	0.04	0.2

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-073015-G-F	7/30/15 3:22	Thallium	0.05	ug/l	J	F	EPA200.8	SMP	0.04	0.2
BDD-SWSF-073015-G	7/30/15 3:22	Uranium	13	ug/l		UF	EPA200.8	SMP	0.05	0.1
BDD-SWSF-073015-G-F	7/30/15 3:22	Uranium	2.7	ug/l		F	EPA200.8	SMP	0.05	0.1
BDD-SWSF-073015-G	7/30/15 3:22	Vanadium	91	ug/l		UF	EPA200.8	SMP	0.38	1
BDD-SWSF-073015-G-F	7/30/15 3:22	Vanadium	6.5	ug/l		F	EPA200.8	SMP	0.38	1
BDD-SWSF-073015-G	7/30/15 3:22	Zinc	190	ug/l		UF	EPA200.8	SMP	6.2	20
BDD-SWSF-073015-G-F	7/30/15 3:22	Zinc	20	ug/l	U	F	EPA200.8	SMP	6.2	20
BDD-SWSF-073015-H	7/30/15 3:52	Aluminum	47000	ug/l		UF	EPA200.8	SMP	13	50
BDD-SWSF-073015-H	7/30/15 3:52	Antimony	0.3	ug/l	U	UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-073015-H	7/30/15 3:52	Arsenic	8.9	ug/l		UF	EPA200.8	SMP	0.35	2
BDD-SWSF-073015-H	7/30/15 3:52	Barium	690	ug/l		UF	EPA200.8	SMP	0.58	1
BDD-SWSF-073015-H	7/30/15 3:52	Beryllium	2.9	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-073015-H	7/30/15 3:52	Boron	47	ug/l	J	UF	EPA200.8	SMP	6.9	50
BDD-SWSF-073015-H	7/30/15 3:52	Cadmium	0.44	ug/l		UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-073015-H	7/30/15 3:52	Calcium	140000	ug/l		UF	EPA200.8	SMP	100	1000
BDD-SWSF-073015-H	7/30/15 3:52	Chromium	37	ug/l		UF	EPA200.8	SMP	0.6	10
BDD-SWSF-073015-H	7/30/15 3:52	Cobalt	21	ug/l		UF	EPA200.8	SMP	0.24	1
BDD-SWSF-073015-H	7/30/15 3:52	Copper	33	ug/l		UF	EPA200.8	SMP	3	10
BDD-SWSF-073015-H	7/30/15 3:52	Iron	36000	ug/l		UF	EPA200.8	SMP	25	100
BDD-SWSF-073015-H	7/30/15 3:52	Lead	33	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-073015-H	7/30/15 3:52	Magnesium	28000	ug/l		UF	EPA200.8	SMP	45	100
BDD-SWSF-073015-H	7/30/15 3:52	Manganese	1500	ug/l		UF	EPA200.8	SMP	0.7	2
BDD-SWSF-073015-H	7/30/15 3:52	Mercury	0.2	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-073015-H	7/30/15 3:52	Nickel	43	ug/l		UF	EPA200.8	SMP	2.4	5
BDD-SWSF-073015-H	7/30/15 3:52	Potassium	14000	ug/l		UF	EPA200.8	SMP	220	1000
BDD-SWSF-073015-H	7/30/15 3:52	Selenium	2.6	ug/l		UF	EPA200.8	SMP	0.68	1
BDD-SWSF-073015-H	7/30/15 3:52	Silver	0.1	ug/l	U	UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-073015-H	7/30/15 3:52	Sodium	14000	ug/l		UF	EPA200.8	SMP	240	1000
BDD-SWSF-073015-H	7/30/15 3:52	Thallium	0.54	ug/l		UF	EPA200.8	SMP	0.04	0.2
BDD-SWSF-073015-H	7/30/15 3:52	Uranium	10	ug/l		UF	EPA200.8	SMP	0.05	0.1
BDD-SWSF-073015-H	7/30/15 3:52	Vanadium	67	ug/l		UF	EPA200.8	SMP	0.38	1
BDD-SWSF-073015-H	7/30/15 3:52	Zinc	130	ug/l		UF	EPA200.8	SMP	6.2	20
BDD-SWSF-073015-I	7/30/15 4:22	Aluminum	34000	ug/l		UF	EPA200.8	SMP	13	50
BDD-SWSF-073015-I	7/30/15 4:22	Antimony	0.3	ug/l	U	UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-073015-I	7/30/15 4:22	Arsenic	7.5	ug/l		UF	EPA200.8	SMP	0.35	2
BDD-SWSF-073015-I	7/30/15 4:22	Barium	640	ug/l		UF	EPA200.8	SMP	0.58	1
BDD-SWSF-073015-I	7/30/15 4:22	Beryllium	2.7	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-073015-I	7/30/15 4:22	Boron	50	ug/l	J	UF	EPA200.8	SMP	6.9	50
BDD-SWSF-073015-I	7/30/15 4:22	Cadmium	0.45	ug/l		UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-073015-I	7/30/15 4:22	Calcium	130000	ug/l		UF	EPA200.8	SMP	100	1000
BDD-SWSF-073015-I	7/30/15 4:22	Chromium	25	ug/l		UF	EPA200.8	SMP	0.6	10
BDD-SWSF-073015-I	7/30/15 4:22	Cobalt	18	ug/l		UF	EPA200.8	SMP	0.24	1
BDD-SWSF-073015-I	7/30/15 4:22	Copper	35	ug/l		UF	EPA200.8	SMP	3	10
BDD-SWSF-073015-I	7/30/15 4:22	Iron	27000	ug/l		UF	EPA200.8	SMP	25	100
BDD-SWSF-073015-I	7/30/15 4:22	Lead	29	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-073015-I	7/30/15 4:22	Magnesium	23000	ug/l		UF	EPA200.8	SMP	45	100
BDD-SWSF-073015-I	7/30/15 4:22	Manganese	1200	ug/l		UF	EPA200.8	SMP	0.7	2
BDD-SWSF-073015-I	7/30/15 4:22	Mercury	0.2	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-073015-I	7/30/15 4:22	Nickel	39	ug/l		UF	EPA200.8	SMP	2.4	5
BDD-SWSF-073015-I	7/30/15 4:22	Potassium	11000	ug/l		UF	EPA200.8	SMP	220	1000
BDD-SWSF-073015-I	7/30/15 4:22	Selenium	2.7	ug/l		UF	EPA200.8	SMP	0.68	1
BDD-SWSF-073015-I	7/30/15 4:22	Silver	0.04	ug/l	J	UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-073015-I	7/30/15 4:22	Sodium	14000	ug/l		UF	EPA200.8	SMP	240	1000
BDD-SWSF-073015-I	7/30/15 4:22	Thallium	0.47	ug/l		UF	EPA200.8	SMP	0.04	0.2
BDD-SWSF-073015-I	7/30/15 4:22	Uranium	10	ug/l		UF	EPA200.8	SMP	0.05	0.1
BDD-SWSF-073015-I	7/30/15 4:22	Vanadium	55	ug/l		UF	EPA200.8	SMP	0.38	1

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-073015-I	7/30/15 4:22	Zinc	120	ug/l		UF	EPA200.8	SMP	6.2	20
BDD-SWSF-073115-C	7/31/15 17:23	Aluminum	150000	ug/l		UF	EPA200.8	SMP	13	50
BDD-SWSF-073115-C-F	7/31/15 17:23	Aluminum	1700	ug/l		F	EPA200.8	SMP	13	50
BDD-SWSF-073115-C	7/31/15 17:23	Antimony	0.3	ug/l	U	UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-073115-C-F	7/31/15 17:23	Antimony	0.23	ug/l	J	F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-073115-C	7/31/15 17:23	Arsenic	29	ug/l		UF	EPA200.8	SMP	0.35	2
BDD-SWSF-073115-C-F	7/31/15 17:23	Arsenic	2.5	ug/l		F	EPA200.8	SMP	0.35	2
BDD-SWSF-073115-C	7/31/15 17:23	Barium	2700	ug/l		UF	EPA200.8	SMP	0.58	1
BDD-SWSF-073115-C-F	7/31/15 17:23	Barium	120	ug/l		F	EPA200.8	SMP	0.58	1
BDD-SWSF-073115-C	7/31/15 17:23	Beryllium	13	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-073115-C-F	7/31/15 17:23	Beryllium	0.5	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-073115-C	7/31/15 17:23	Boron	94	ug/l		UF	EPA200.8	SMP	6.9	50
BDD-SWSF-073115-C-F	7/31/15 17:23	Boron	26	ug/l	J	F	EPA200.8	SMP	6.9	50
BDD-SWSF-073115-C	7/31/15 17:23	Cadmium	1.9	ug/l		UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-073115-C-F	7/31/15 17:23	Cadmium	0.3	ug/l	U	F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-073115-C	7/31/15 17:23	Calcium	550000	ug/l		UF	EPA200.8	SMP	100	1000
BDD-SWSF-073115-C-F	7/31/15 17:23	Calcium	36000	ug/l		F	EPA200.8	SMP	100	1000
BDD-SWSF-073115-C	7/31/15 17:23	Chromium	120	ug/l		UF	EPA200.8	SMP	0.6	10
BDD-SWSF-073115-C-F	7/31/15 17:23	Chromium	1.4	ug/l	J	F	EPA200.8	SMP	0.6	10
BDD-SWSF-073115-C	7/31/15 17:23	Cobalt	85	ug/l		UF	EPA200.8	SMP	0.24	1
BDD-SWSF-073115-C-F	7/31/15 17:23	Cobalt	5.1	ug/l		F	EPA200.8	SMP	0.24	1
BDD-SWSF-073115-C	7/31/15 17:23	Copper	130	ug/l		UF	EPA200.8	SMP	3	10
BDD-SWSF-073115-C-F	7/31/15 17:23	Copper	10	ug/l	U	F	EPA200.8	SMP	3	10
BDD-SWSF-073115-C	7/31/15 17:23	Iron	120000	ug/l		UF	EPA200.8	SMP	25	100
BDD-SWSF-073115-C-F	7/31/15 17:23	Iron	1400	ug/l		F	EPA200.8	SMP	25	100
BDD-SWSF-073115-C	7/31/15 17:23	Lead	130	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-073115-C-F	7/31/15 17:23	Lead	1.6	ug/l		F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-073115-C	7/31/15 17:23	Magnesium	92000	ug/l		UF	EPA200.8	SMP	45	100
BDD-SWSF-073115-C-F	7/31/15 17:23	Magnesium	4200	ug/l		F	EPA200.8	SMP	45	100
BDD-SWSF-073115-C	7/31/15 17:23	Manganese	6000	ug/l		UF	EPA200.8	SMP	0.7	2
BDD-SWSF-073115-C-F	7/31/15 17:23	Manganese	110	ug/l		F	EPA200.8	SMP	0.7	2
BDD-SWSF-073115-C	7/31/15 17:23	Mercury	0.19	ug/l	J	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-073115-C-F	7/31/15 17:23	Mercury	0.2	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-073115-C	7/31/15 17:23	Nickel	170	ug/l		UF	EPA200.8	SMP	2.4	5
BDD-SWSF-073115-C-F	7/31/15 17:23	Nickel	5.8	ug/l		F	EPA200.8	SMP	2.4	5
BDD-SWSF-073115-C	7/31/15 17:23	Potassium	47000	ug/l		UF	EPA200.8	SMP	220	1000
BDD-SWSF-073115-C-F	7/31/15 17:23	Potassium	2900	ug/l		F	EPA200.8	SMP	220	1000
BDD-SWSF-073115-C	7/31/15 17:23	Selenium	14	ug/l		UF	EPA200.8	SMP	0.68	1
BDD-SWSF-073115-C-F	7/31/15 17:23	Selenium	1	ug/l	U	F	EPA200.8	SMP	0.68	1
BDD-SWSF-073115-C	7/31/15 17:23	Silver	0.28	ug/l		UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-073115-C-F	7/31/15 17:23	Silver	0.1	ug/l	U	F	EPA200.8	SMP	0.038	0.1
BDD-SWSF-073115-C	7/31/15 17:23	Sodium	18000	ug/l		UF	EPA200.8	SMP	240	1000
BDD-SWSF-073115-C-F	7/31/15 17:23	Sodium	14000	ug/l		F	EPA200.8	SMP	240	1000
BDD-SWSF-073115-C	7/31/15 17:23	Thallium	2.4	ug/l		UF	EPA200.8	SMP	0.04	0.2
BDD-SWSF-073115-C-F	7/31/15 17:23	Thallium	0.1	ug/l	J	F	EPA200.8	SMP	0.04	0.2
BDD-SWSF-073115-C	7/31/15 17:23	Uranium	52	ug/l		UF	EPA200.8	SMP	0.05	0.1
BDD-SWSF-073115-C-F	7/31/15 17:23	Uranium	7	ug/l		F	EPA200.8	SMP	0.05	0.1
BDD-SWSF-073115-C	7/31/15 17:23	Vanadium	190	ug/l		UF	EPA200.8	SMP	0.38	1
BDD-SWSF-073115-C-F	7/31/15 17:23	Vanadium	9	ug/l		F	EPA200.8	SMP	0.38	1
BDD-SWSF-073115-C	7/31/15 17:23	Zinc	510	ug/l		UF	EPA200.8	SMP	6.2	20
BDD-SWSF-073115-C-F	7/31/15 17:23	Zinc	20	ug/l	U	F	EPA200.8	SMP	6.2	20
BDD-SWSF-073115-D	7/31/15 17:53	Aluminum	110000	ug/l		UF	EPA200.8	SMP	13	50
BDD-SWSF-073115-D	7/31/15 17:53	Antimony	0.3	ug/l	U	UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-073115-D	7/31/15 17:53	Arsenic	22	ug/l		UF	EPA200.8	SMP	0.35	2
BDD-SWSF-073115-D	7/31/15 17:53	Barium	1700	ug/l		UF	EPA200.8	SMP	0.58	1
BDD-SWSF-073115-D	7/31/15 17:53	Beryllium	8.8	ug/l		UF	EPA200.8	SMP	0.13	0.5

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-073115-D	7/31/15 17:53	Boron	72	ug/l		UF	EPA200.8	SMP	6.9	50
BDD-SWSF-073115-D	7/31/15 17:53	Cadmium	1.4	ug/l		UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-073115-D	7/31/15 17:53	Calcium	350000	ug/l		UF	EPA200.8	SMP	100	1000
BDD-SWSF-073115-D	7/31/15 17:53	Chromium	83	ug/l		UF	EPA200.8	SMP	0.6	10
BDD-SWSF-073115-D	7/31/15 17:53	Cobalt	57	ug/l		UF	EPA200.8	SMP	0.24	1
BDD-SWSF-073115-D	7/31/15 17:53	Copper	83	ug/l		UF	EPA200.8	SMP	3	10
BDD-SWSF-073115-D	7/31/15 17:53	Iron	84000	ug/l		UF	EPA200.8	SMP	25	100
BDD-SWSF-073115-D	7/31/15 17:53	Lead	84	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-073115-D	7/31/15 17:53	Magnesium	64000	ug/l		UF	EPA200.8	SMP	45	100
BDD-SWSF-073115-D	7/31/15 17:53	Manganese	3800	ug/l		UF	EPA200.8	SMP	0.7	2
BDD-SWSF-073115-D	7/31/15 17:53	Mercury	0.12	ug/l	J	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-073115-D	7/31/15 17:53	Nickel	110	ug/l		UF	EPA200.8	SMP	2.4	5
BDD-SWSF-073115-D	7/31/15 17:53	Potassium	31000	ug/l		UF	EPA200.8	SMP	220	1000
BDD-SWSF-073115-D	7/31/15 17:53	Selenium	6.4	ug/l		UF	EPA200.8	SMP	0.68	1
BDD-SWSF-073115-D	7/31/15 17:53	Silver	0.16	ug/l		UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-073115-D	7/31/15 17:53	Sodium	16000	ug/l		UF	EPA200.8	SMP	240	1000
BDD-SWSF-073115-D	7/31/15 17:53	Thallium	1.6	ug/l		UF	EPA200.8	SMP	0.04	0.2
BDD-SWSF-073115-D	7/31/15 17:53	Uranium	37	ug/l		UF	EPA200.8	SMP	0.05	0.1
BDD-SWSF-073115-D	7/31/15 17:53	Vanadium	130	ug/l		UF	EPA200.8	SMP	0.38	1
BDD-SWSF-073115-D	7/31/15 17:53	Zinc	350	ug/l		UF	EPA200.8	SMP	6.2	20
BDD-SWSF-073115-F	7/31/15 18:52	Aluminum	75000	ug/l		UF	EPA200.8	SMP	13	50
BDD-SWSF-073115-F-F	7/31/15 18:52	Aluminum	690	ug/l		F	EPA200.8	SMP	13	50
BDD-SWSF-073115-F	7/31/15 18:52	Antimony	0.28	ug/l	J	UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-073115-F-F	7/31/15 18:52	Antimony	0.21	ug/l	J	F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-073115-F	7/31/15 18:52	Arsenic	16	ug/l		UF	EPA200.8	SMP	0.35	2
BDD-SWSF-073115-F-F	7/31/15 18:52	Arsenic	2.8	ug/l		F	EPA200.8	SMP	0.35	2
BDD-SWSF-073115-F	7/31/15 18:52	Barium	1000	ug/l		UF	EPA200.8	SMP	0.58	1
BDD-SWSF-073115-F-F	7/31/15 18:52	Barium	79	ug/l		F	EPA200.8	SMP	0.58	1
BDD-SWSF-073115-F	7/31/15 18:52	Beryllium	5.5	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-073115-F-F	7/31/15 18:52	Beryllium	0.5	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-073115-F	7/31/15 18:52	Boron	63	ug/l		UF	EPA200.8	SMP	6.9	50
BDD-SWSF-073115-F-F	7/31/15 18:52	Boron	24	ug/l	J	F	EPA200.8	SMP	6.9	50
BDD-SWSF-073115-F	7/31/15 18:52	Cadmium	0.93	ug/l		UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-073115-F-F	7/31/15 18:52	Cadmium	0.3	ug/l	U	F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-073115-F	7/31/15 18:52	Calcium	200000	ug/l		UF	EPA200.8	SMP	100	1000
BDD-SWSF-073115-F-F	7/31/15 18:52	Calcium	30000	ug/l		F	EPA200.8	SMP	100	1000
BDD-SWSF-073115-F	7/31/15 18:52	Chromium	58	ug/l		UF	EPA200.8	SMP	0.6	10
BDD-SWSF-073115-F-F	7/31/15 18:52	Chromium	1	ug/l	J	F	EPA200.8	SMP	0.6	10
BDD-SWSF-073115-F	7/31/15 18:52	Cobalt	34	ug/l		UF	EPA200.8	SMP	0.24	1
BDD-SWSF-073115-F-F	7/31/15 18:52	Cobalt	4.2	ug/l		F	EPA200.8	SMP	0.24	1
BDD-SWSF-073115-F	7/31/15 18:52	Copper	52	ug/l		UF	EPA200.8	SMP	3	10
BDD-SWSF-073115-F-F	7/31/15 18:52	Copper	10	ug/l	U	F	EPA200.8	SMP	3	10
BDD-SWSF-073115-F	7/31/15 18:52	Iron	58000	ug/l		UF	EPA200.8	SMP	25	100
BDD-SWSF-073115-F-F	7/31/15 18:52	Iron	540	ug/l		F	EPA200.8	SMP	25	100
BDD-SWSF-073115-F	7/31/15 18:52	Lead	50	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-073115-F-F	7/31/15 18:52	Lead	0.5	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-073115-F	7/31/15 18:52	Magnesium	42000	ug/l		UF	EPA200.8	SMP	45	100
BDD-SWSF-073115-F-F	7/31/15 18:52	Magnesium	3800	ug/l		F	EPA200.8	SMP	45	100
BDD-SWSF-073115-F	7/31/15 18:52	Manganese	2200	ug/l		UF	EPA200.8	SMP	0.7	2
BDD-SWSF-073115-F-F	7/31/15 18:52	Manganese	26	ug/l		F	EPA200.8	SMP	0.7	2
BDD-SWSF-073115-F	7/31/15 18:52	Mercury	0.064	ug/l	J	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-073115-F-F	7/31/15 18:52	Mercury	0.2	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-073115-F	7/31/15 18:52	Nickel	65	ug/l		UF	EPA200.8	SMP	2.4	5
BDD-SWSF-073115-F-F	7/31/15 18:52	Nickel	5	ug/l	U	F	EPA200.8	SMP	2.4	5
BDD-SWSF-073115-F	7/31/15 18:52	Potassium	23000	ug/l		UF	EPA200.8	SMP	220	1000
BDD-SWSF-073115-F-F	7/31/15 18:52	Potassium	2200	ug/l		F	EPA200.8	SMP	220	1000

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-073115-F	7/31/15 18:52	Selenium	4.9	ug/l		UF	EPA200.8	SMP	0.68	1
BDD-SWSF-073115-F-F	7/31/15 18:52	Selenium	1	ug/l	U	F	EPA200.8	SMP	0.68	1
BDD-SWSF-073115-F	7/31/15 18:52	Silver	0.12	ug/l		UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-073115-F-F	7/31/15 18:52	Silver	0.1	ug/l	U	F	EPA200.8	SMP	0.038	0.1
BDD-SWSF-073115-F	7/31/15 18:52	Sodium	15000	ug/l		UF	EPA200.8	SMP	240	1000
BDD-SWSF-073115-F-F	7/31/15 18:52	Sodium	13000	ug/l		F	EPA200.8	SMP	240	1000
BDD-SWSF-073115-F	7/31/15 18:52	Thallium	1.1	ug/l		UF	EPA200.8	SMP	0.04	0.2
BDD-SWSF-073115-F-F	7/31/15 18:52	Thallium	0.07	ug/l	J	F	EPA200.8	SMP	0.04	0.2
BDD-SWSF-073115-F	7/31/15 18:52	Uranium	23	ug/l		UF	EPA200.8	SMP	0.05	0.1
BDD-SWSF-073115-F-F	7/31/15 18:52	Uranium	4.3	ug/l		F	EPA200.8	SMP	0.05	0.1
BDD-SWSF-073115-F	7/31/15 18:52	Vanadium	94	ug/l		UF	EPA200.8	SMP	0.38	1
BDD-SWSF-073115-F-F	7/31/15 18:52	Vanadium	6.6	ug/l		F	EPA200.8	SMP	0.38	1
BDD-SWSF-073115-F	7/31/15 18:52	Zinc	510	ug/l		UF	EPA200.8	SMP	6.2	20
BDD-SWSF-073115-F-F	7/31/15 18:52	Zinc	20	ug/l	U	F	EPA200.8	SMP	6.2	20
BDR080815C	8/8/15 20:59	Aluminum	15000	ug/l		UF	SW-846:6010B			200
BDR080815D	8/8/15 20:59	Aluminum	43	ug/l	U	F	SW-846:6010B			200
BDR080815C	8/8/15 20:59	Antimony	7.4	ug/l	U	UF	SW-846:6010B			20
BDR080815D	8/8/15 20:59	Antimony	7.4	ug/l	U	F	SW-846:6010B			20
BDR080815C	8/8/15 20:59	Arsenic	5.4	ug/l	J	UF	SW-846:6010B			10
BDR080815D	8/8/15 20:59	Arsenic	3.8	ug/l	U	F	SW-846:6010B			10
BDR080815C	8/8/15 20:59	Barium	350	ug/l		UF	SW-846:6010B			100
BDR080815D	8/8/15 20:59	Barium	75	ug/l	J	F	SW-846:6010B			100
BDR080815C	8/8/15 20:59	Beryllium	0.62	ug/l	U	UF	SW-846:6010B			5
BDR080815D	8/8/15 20:59	Beryllium	0.62	ug/l	U	F	SW-846:6010B			5
BDR080815C	8/8/15 20:59	Cadmium	0.51	ug/l	U	UF	SW-846:6010B			5
BDR080815D	8/8/15 20:59	Cadmium	0.51	ug/l	U	F	SW-846:6010B			5
BDR080815C	8/8/15 20:59	Calcium	67000	ug/l		UF	SW-846:6010B			1
BDR080815D	8/8/15 20:59	Calcium	39000	ug/l		F	SW-846:6010B			1
BDR080815C	8/8/15 20:59	Chromium	14	ug/l		UF	SW-846:6010B			10
BDR080815D	8/8/15 20:59	Chromium	1.5	ug/l	U	F	SW-846:6010B			10
BDR080815C	8/8/15 20:59	Cobalt	7.2	ug/l	J	UF	SW-846:6010B			10
BDR080815D	8/8/15 20:59	Cobalt	1.2	ug/l	U	F	SW-846:6010B			10
BDR080815C	8/8/15 20:59	Copper	15	ug/l		UF	SW-846:6010B			10
BDR080815D	8/8/15 20:59	Copper	3.3	ug/l	U	F	SW-846:6010B			10
BDR080815C	8/8/15 20:59	Iron	13000	ug/l		UF	SW-846:6010B			100
BDR080815D	8/8/15 20:59	Iron	38	ug/l	U	F	SW-846:6010B			100
BDR080815C	8/8/15 20:59	Lead	12	ug/l		UF	SW-846:6010B			3
BDR080815D	8/8/15 20:59	Lead	2.9	ug/l	U	F	SW-846:6010B			3
BDR080815C	8/8/15 20:59	Magnesium	13000	ug/l		UF	SW-846:6010B			1
BDR080815D	8/8/15 20:59	Magnesium	6000	ug/l		F	SW-846:6010B			1
BDR080815C	8/8/15 20:59	Manganese	480	ug/l		UF	SW-846:6010B			10
BDR080815D	8/8/15 20:59	Manganese	0.84	ug/l	U	F	SW-846:6010B			10
BDR080815C	8/8/15 20:59	Mercury	0.06	ug/l	UH	UF	SW-846:7470A			0.1
BDR080815D	8/8/15 20:59	Mercury	0.06	ug/l	UH	F	SW-846:7470A			0.1
BDR080815C	8/8/15 20:59	Nickel	17	ug/l	J	UF	SW-846:6010B			20
BDR080815D	8/8/15 20:59	Nickel	1.8	ug/l	U	F	SW-846:6010B			20
BDR080815C	8/8/15 20:59	Potassium	6200	ug/l		UF	SW-846:6010B			1
BDR080815D	8/8/15 20:59	Potassium	2400	ug/l		F	SW-846:6010B			1
BDR080815C	8/8/15 20:59	Selenium	4.8	ug/l	U	UF	SW-846:6010B			5
BDR080815D	8/8/15 20:59	Selenium	4.8	ug/l	U	F	SW-846:6010B			5
BDR080815C	8/8/15 20:59	Silver	1.8	ug/l	U	UF	SW-846:6010B			10
BDR080815D	8/8/15 20:59	Silver	1.8	ug/l	U	F	SW-846:6010B			10
BDR080815C	8/8/15 20:59	Sodium	16000	ug/l		UF	SW-846:6010B			1
BDR080815D	8/8/15 20:59	Sodium	15000	ug/l		F	SW-846:6010B			1
BDR080815C	8/8/15 20:59	Thallium	5	ug/l	U	UF	SW-846:6010B			10
BDR080815D	8/8/15 20:59	Thallium	5	ug/l	U	F	SW-846:6010B			10

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDR080815C	8/8/15 20:59	Vanadium	32	ug/l		UF	SW-846:6010B			10
BDR080815D	8/8/15 20:59	Vanadium	3	ug/l	J	F	SW-846:6010B			10
BDR080815C	8/8/15 20:59	Zinc	58	ug/l		UF	SW-846:6010B			20
BDR080815D	8/8/15 20:59	Zinc	8.6	ug/l	J	F	SW-846:6010B			20
BDR080815E	8/8/15 22:59	Aluminum	130000	ug/l		UF	SW-846:6010B			200
BDR080815F	8/8/15 22:59	Aluminum	54	ug/l	J	F	SW-846:6010B			200
BDR080815E	8/8/15 22:59	Antimony	7.4	ug/l	U	UF	SW-846:6010B			20
BDR080815F	8/8/15 22:59	Antimony	7.4	ug/l	U	F	SW-846:6010B			20
BDR080815E	8/8/15 22:59	Arsenic	27	ug/l		UF	SW-846:6010B			10
BDR080815F	8/8/15 22:59	Arsenic	3.8	ug/l	U	F	SW-846:6010B			10
BDR080815E	8/8/15 22:59	Barium	1500	ug/l		UF	SW-846:6010B			100
BDR080815F	8/8/15 22:59	Barium	100	ug/l		F	SW-846:6010B			100
BDR080815E	8/8/15 22:59	Beryllium	8.5	ug/l		UF	SW-846:6010B			5
BDR080815F	8/8/15 22:59	Beryllium	0.62	ug/l	U	F	SW-846:6010B			5
BDR080815E	8/8/15 22:59	Cadmium	1.1	ug/l	J	UF	SW-846:6010B			5
BDR080815F	8/8/15 22:59	Cadmium	0.51	ug/l	U	F	SW-846:6010B			5
BDR080815E	8/8/15 22:59	Calcium	200000	ug/l		UF	SW-846:6010B			1
BDR080815F	8/8/15 22:59	Calcium	52000	ug/l		F	SW-846:6010B			1
BDR080815E	8/8/15 22:59	Chromium	61	ug/l		UF	SW-846:6010B			10
BDR080815F	8/8/15 22:59	Chromium	1.5	ug/l	U	F	SW-846:6010B			10
BDR080815E	8/8/15 22:59	Cobalt	52	ug/l		UF	SW-846:6010B			10
BDR080815F	8/8/15 22:59	Cobalt	1.2	ug/l	U	F	SW-846:6010B			10
BDR080815E	8/8/15 22:59	Copper	69	ug/l		UF	SW-846:6010B			10
BDR080815F	8/8/15 22:59	Copper	3.3	ug/l	U	F	SW-846:6010B			10
BDR080815E	8/8/15 22:59	Iron	67000	ug/l		UF	SW-846:6010B			100
BDR080815F	8/8/15 22:59	Iron	38	ug/l	U	F	SW-846:6010B			100
BDR080815E	8/8/15 22:59	Lead	77	ug/l		UF	SW-846:6010B			3
BDR080815F	8/8/15 22:59	Lead	2.9	ug/l	U	F	SW-846:6010B			3
BDR080815E	8/8/15 22:59	Magnesium	55000	ug/l		UF	SW-846:6010B			1
BDR080815F	8/8/15 22:59	Magnesium	7100	ug/l		F	SW-846:6010B			1
BDR080815E	8/8/15 22:59	Manganese	2700	ug/l		UF	SW-846:6010B			10
BDR080815F	8/8/15 22:59	Manganese	2.8	ug/l	J	F	SW-846:6010B			10
BDR080815E	8/8/15 22:59	Mercury	0.1	ug/l		UF	SW-846:7470A			0.1
BDR080815F	8/8/15 22:59	Mercury	0.06	ug/l	UH	F	SW-846:7470A			0.1
BDR080815E	8/8/15 22:59	Nickel	95	ug/l		UF	SW-846:6010B			20
BDR080815F	8/8/15 22:59	Nickel	1.8	ug/l	U	F	SW-846:6010B			20
BDR080815E	8/8/15 22:59	Potassium	23000	ug/l		UF	SW-846:6010B			1
BDR080815F	8/8/15 22:59	Potassium	2400	ug/l		F	SW-846:6010B			1
BDR080815E	8/8/15 22:59	Selenium	4.8	ug/l	U	UF	SW-846:6010B			5
BDR080815F	8/8/15 22:59	Selenium	4.8	ug/l	U	F	SW-846:6010B			5
BDR080815E	8/8/15 22:59	Silver	1.8	ug/l	U	UF	SW-846:6010B			10
BDR080815F	8/8/15 22:59	Silver	1.8	ug/l	U	F	SW-846:6010B			10
BDR080815E	8/8/15 22:59	Sodium	18000	ug/l		UF	SW-846:6010B			1
BDR080815F	8/8/15 22:59	Sodium	15000	ug/l		F	SW-846:6010B			1
BDR080815E	8/8/15 22:59	Thallium	5	ug/l	U	UF	SW-846:6010B			10
BDR080815F	8/8/15 22:59	Thallium	5	ug/l	U	F	SW-846:6010B			10
BDR080815E	8/8/15 22:59	Vanadium	150	ug/l		UF	SW-846:6010B			10
BDR080815F	8/8/15 22:59	Vanadium	4.8	ug/l	J	F	SW-846:6010B			10
BDR080815E	8/8/15 22:59	Zinc	230	ug/l		UF	SW-846:6010B			20
BDR080815F	8/8/15 22:59	Zinc	5.6	ug/l	U	F	SW-846:6010B			20
BDR080815G	8/9/15 0:59	Aluminum	230000	ug/l		UF	SW-846:6010B			200
BDR080815H	8/9/15 0:59	Aluminum	43	ug/l	U	F	SW-846:6010B			200
BDR080815G	8/9/15 0:59	Antimony	10	ug/l	J	UF	SW-846:6010B			20
BDR080815H	8/9/15 0:59	Antimony	7.4	ug/l	U	F	SW-846:6010B			20
BDR080815G	8/9/15 0:59	Arsenic	36	ug/l		UF	SW-846:6010B			10
BDR080815H	8/9/15 0:59	Arsenic	3.8	ug/l	U	F	SW-846:6010B			10

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDR080815G	8/9/15 0:59	Barium	2700	ug/l		UF	SW-846:6010B			100
BDR080815H	8/9/15 0:59	Barium	130	ug/l		F	SW-846:6010B			100
BDR080815G	8/9/15 0:59	Beryllium	14	ug/l		UF	SW-846:6010B			5
BDR080815H	8/9/15 0:59	Beryllium	0.62	ug/l	U	F	SW-846:6010B			5
BDR080815G	8/9/15 0:59	Cadmium	1.7	ug/l	J	UF	SW-846:6010B			5
BDR080815H	8/9/15 0:59	Cadmium	0.51	ug/l	U	F	SW-846:6010B			5
BDR080815G	8/9/15 0:59	Calcium	280000	ug/l		UF	SW-846:6010B			1
BDR080815H	8/9/15 0:59	Calcium	54000	ug/l		F	SW-846:6010B			1
BDR080815G	8/9/15 0:59	Chromium	120	ug/l		UF	SW-846:6010B			10
BDR080815H	8/9/15 0:59	Chromium	1.5	ug/l	U	F	SW-846:6010B			10
BDR080815G	8/9/15 0:59	Cobalt	100	ug/l		UF	SW-846:6010B			10
BDR080815H	8/9/15 0:59	Cobalt	1.2	ug/l	U	F	SW-846:6010B			10
BDR080815G	8/9/15 0:59	Copper	140	ug/l		UF	SW-846:6010B			10
BDR080815H	8/9/15 0:59	Copper	3.3	ug/l	U	F	SW-846:6010B			10
BDR080815G	8/9/15 0:59	Iron	130000	ug/l		UF	SW-846:6010B			100
BDR080815H	8/9/15 0:59	Iron	38	ug/l	U	F	SW-846:6010B			100
BDR080815G	8/9/15 0:59	Lead	140	ug/l		UF	SW-846:6010B			3
BDR080815H	8/9/15 0:59	Lead	2.9	ug/l	U	F	SW-846:6010B			3
BDR080815G	8/9/15 0:59	Magnesium	89000	ug/l		UF	SW-846:6010B			1
BDR080815H	8/9/15 0:59	Magnesium	7300	ug/l		F	SW-846:6010B			1
BDR080815G	8/9/15 0:59	Manganese	4400	ug/l		UF	SW-846:6010B			10
BDR080815H	8/9/15 0:59	Manganese	0.84	ug/l	U	F	SW-846:6010B			10
BDR080815G	8/9/15 0:59	Mercury	0.27	ug/l		UF	SW-846:7470A			0.1
BDR080815H	8/9/15 0:59	Mercury	0.06	ug/l	UH	F	SW-846:7470A			0.1
BDR080815G	8/9/15 0:59	Nickel	210	ug/l		UF	SW-846:6010B			20
BDR080815H	8/9/15 0:59	Nickel	1.8	ug/l	U	F	SW-846:6010B			20
BDR080815G	8/9/15 0:59	Potassium	41000	ug/l		UF	SW-846:6010B			1
BDR080815H	8/9/15 0:59	Potassium	2400	ug/l		F	SW-846:6010B			1
BDR080815G	8/9/15 0:59	Selenium	4.8	ug/l	U	UF	SW-846:6010B			5
BDR080815H	8/9/15 0:59	Selenium	4.8	ug/l	U	F	SW-846:6010B			5
BDR080815G	8/9/15 0:59	Silver	1.8	ug/l	U	UF	SW-846:6010B			10
BDR080815H	8/9/15 0:59	Silver	1.8	ug/l	U	F	SW-846:6010B			10
BDR080815G	8/9/15 0:59	Sodium	18000	ug/l		UF	SW-846:6010B			1
BDR080815H	8/9/15 0:59	Sodium	12000	ug/l		F	SW-846:6010B			1
BDR080815G	8/9/15 0:59	Thallium	5	ug/l	U	UF	SW-846:6010B			10
BDR080815H	8/9/15 0:59	Thallium	5.1	ug/l	J	F	SW-846:6010B			10
BDR080815G	8/9/15 0:59	Vanadium	280	ug/l		UF	SW-846:6010B			10
BDR080815H	8/9/15 0:59	Vanadium	3.1	ug/l	J	F	SW-846:6010B			10
BDR080815G	8/9/15 0:59	Zinc	400	ug/l		UF	SW-846:6010B			20
BDR080815H	8/9/15 0:59	Zinc	5.6	ug/l	U	F	SW-846:6010B			20
BDD-SWSF-090115-A	9/1/15 12:48	Aluminum	3050	ug/l		UF	EPA200.8	DUP	13.1	50
BDD-SWSF-090115-A	9/1/15 12:48	Aluminum	3100	ug/l		UF	EPA200.8	SMP	13	50
BDD-SWSF-090115-A	9/1/15 12:48	Antimony	0.24	ug/l	J	UF	EPA200.8	DUP	0.179	0.3
BDD-SWSF-090115-A	9/1/15 12:48	Antimony	0.3	ug/l	U	UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-090115-A	9/1/15 12:48	Arsenic	2.89	ug/l		UF	EPA200.8	DUP	0.348	2
BDD-SWSF-090115-A	9/1/15 12:48	Arsenic	2.6	ug/l		UF	EPA200.8	SMP	0.35	2
BDD-SWSF-090115-A	9/1/15 12:48	Barium	142	ug/l		UF	EPA200.8	DUP	0.581	1
BDD-SWSF-090115-A	9/1/15 12:48	Barium	140	ug/l		UF	EPA200.8	SMP	0.58	1
BDD-SWSF-090115-A	9/1/15 12:48	Beryllium	0.131	ug/l	U	UF	EPA200.8	DUP	0.131	0.5
BDD-SWSF-090115-A	9/1/15 12:48	Beryllium	0.5	ug/l	U	UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-090115-A	9/1/15 12:48	Boron	27.2	ug/l	J	UF	EPA200.8	DUP	6.91	50
BDD-SWSF-090115-A	9/1/15 12:48	Boron	31	ug/l	J	UF	EPA200.8	SMP	6.9	50
BDD-SWSF-090115-A	9/1/15 12:48	Cadmium	0.177	ug/l	U	UF	EPA200.8	DUP	0.177	0.3
BDD-SWSF-090115-A	9/1/15 12:48	Cadmium	0.3	ug/l	U	UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-090115-A	9/1/15 12:48	Calcium	45800	ug/l		UF	EPA200.8	DUP	100	1000
BDD-SWSF-090115-A	9/1/15 12:48	Calcium	43000	ug/l		UF	EPA200.8	SMP	100	1000

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-090115-A	9/1/15 12:48	Chromium	1.98	ug/l	J	UF	EPA200.8	DUP	0.6	10
BDD-SWSF-090115-A	9/1/15 12:48	Chromium	1.8	ug/l	J	UF	EPA200.8	SMP	0.6	10
BDD-SWSF-090115-A	9/1/15 12:48	Cobalt	1.09	ug/l		UF	EPA200.8	DUP	0.24	1
BDD-SWSF-090115-A	9/1/15 12:48	Cobalt	1.3	ug/l		UF	EPA200.8	SMP	0.24	1
BDD-SWSF-090115-A	9/1/15 12:48	Copper	7.94	ug/l	J	UF	EPA200.8	DUP	3.05	10
BDD-SWSF-090115-A	9/1/15 12:48	Copper	8.7	ug/l	J	UF	EPA200.8	SMP	3	10
BDD-SWSF-090115-A	9/1/15 12:48	Iron	2000	ug/l		UF	EPA200.8	DUP	24.7	100
BDD-SWSF-090115-A	9/1/15 12:48	Iron	2100	ug/l		UF	EPA200.8	SMP	25	100
BDD-SWSF-090115-A	9/1/15 12:48	Lead	2.44	ug/l		UF	EPA200.8	DUP	0.13	0.5
BDD-SWSF-090115-A	9/1/15 12:48	Lead	2.5	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-090115-A	9/1/15 12:48	Magnesium	6780	ug/l		UF	EPA200.8	DUP	44.6	100
BDD-SWSF-090115-A	9/1/15 12:48	Magnesium	6800	ug/l		UF	EPA200.8	SMP	45	100
BDD-SWSF-090115-A	9/1/15 12:48	Manganese	127	ug/l		UF	EPA200.8	DUP	0.695	2
BDD-SWSF-090115-A	9/1/15 12:48	Manganese	130	ug/l		UF	EPA200.8	SMP	0.7	2
BDD-SWSF-090115-A	9/1/15 12:48	Mercury	0.06	ug/l	U	UF	EPA245.1	DUP	0.06	0.2
BDD-SWSF-090115-A	9/1/15 12:48	Mercury	0.2	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-090115-A	9/1/15 12:48	Nickel	2.44	ug/l	U	UF	EPA200.8	DUP	2.44	5
BDD-SWSF-090115-A	9/1/15 12:48	Nickel	7.5	ug/l		UF	EPA200.8	SMP	2.4	5
BDD-SWSF-090115-A	9/1/15 12:48	Potassium	2860	ug/l		UF	EPA200.8	DUP	220	1000
BDD-SWSF-090115-A	9/1/15 12:48	Potassium	3000	ug/l		UF	EPA200.8	SMP	220	1000
BDD-SWSF-090115-A	9/1/15 12:48	Selenium	0.99	ug/l	J	UF	EPA200.8	DUP	0.675	1
BDD-SWSF-090115-A	9/1/15 12:48	Selenium	1	ug/l	U	UF	EPA200.8	SMP	0.68	1
BDD-SWSF-090115-A	9/1/15 12:48	Silver	0.06	ug/l	J	UF	EPA200.8	DUP	0.0379	0.1
BDD-SWSF-090115-A	9/1/15 12:48	Silver	0.06	ug/l	J	UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-090115-A	9/1/15 12:48	Sodium	14200	ug/l		UF	EPA200.8	DUP	245	1000
BDD-SWSF-090115-A	9/1/15 12:48	Sodium	14000	ug/l		UF	EPA200.8	SMP	240	1000
BDD-SWSF-090115-A	9/1/15 12:48	Thallium	0.05	ug/l	J	UF	EPA200.8	DUP	0.0402	0.2
BDD-SWSF-090115-A	9/1/15 12:48	Thallium	0.09	ug/l	J	UF	EPA200.8	SMP	0.04	0.2
BDD-SWSF-090115-A	9/1/15 12:48	Uranium	1.6	ug/l		UF	EPA200.8	DUP	0.0502	0.1
BDD-SWSF-090115-A	9/1/15 12:48	Uranium	1.8	ug/l		UF	EPA200.8	SMP	0.05	0.1
BDD-SWSF-090115-A	9/1/15 12:48	Vanadium	7.5	ug/l		UF	EPA200.8	DUP	0.382	1
BDD-SWSF-090115-A	9/1/15 12:48	Vanadium	7.6	ug/l		UF	EPA200.8	SMP	0.38	1
BDD-SWSF-090115-A	9/1/15 12:48	Zinc	9.72	ug/l	J	UF	EPA200.8	DUP	6.21	20
BDD-SWSF-090115-A	9/1/15 12:48	Zinc	15	ug/l	J	UF	EPA200.8	SMP	6.2	20
BDD-SWSF-092315-A	9/23/15 13:34	Aluminum	2400	ug/l		UF	EPA200.8	SMP	13	50
BDD-SWSF-092315-A	9/23/15 13:34	Antimony	0.3	ug/l	U	UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-092315-A	9/23/15 13:34	Arsenic	3	ug/l		UF	EPA200.8	SMP	0.35	2
BDD-SWSF-092315-A	9/23/15 13:34	Barium	110	ug/l		UF	EPA200.8	SMP	0.58	1
BDD-SWSF-092315-A	9/23/15 13:34	Beryllium	0.5	ug/l	U	UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-092315-A	9/23/15 13:34	Boron	27	ug/l	J	UF	EPA200.8	SMP	6.9	50
BDD-SWSF-092315-A	9/23/15 13:34	Cadmium	0.3	ug/l	U	UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-092315-A	9/23/15 13:34	Calcium	39000	ug/l		UF	EPA200.8	SMP	100	1000
BDD-SWSF-092315-A	9/23/15 13:34	Chromium	1.8	ug/l	J	UF	EPA200.8	SMP	0.6	10
BDD-SWSF-092315-A	9/23/15 13:34	Cobalt	0.81	ug/l	J	UF	EPA200.8	SMP	0.24	1
BDD-SWSF-092315-A	9/23/15 13:34	Copper	10	ug/l	U	UF	EPA200.8	SMP	3	10
BDD-SWSF-092315-A	9/23/15 13:34	Iron	1500	ug/l		UF	EPA200.8	SMP	25	100
BDD-SWSF-092315-A	9/23/15 13:34	Lead	1.3	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-092315-A	9/23/15 13:34	Magnesium	6700	ug/l		UF	EPA200.8	SMP	45	100
BDD-SWSF-092315-A	9/23/15 13:34	Manganese	90	ug/l		UF	EPA200.8	SMP	0.7	2
BDD-SWSF-092315-A	9/23/15 13:34	Mercury	0.2	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-092315-A	9/23/15 13:34	Nickel	5.3	ug/l		UF	EPA200.8	SMP	2.4	5
BDD-SWSF-092315-A	9/23/15 13:34	Potassium	2900	ug/l		UF	EPA200.8	SMP	220	1000
BDD-SWSF-092315-A	9/23/15 13:34	Selenium	0.8	ug/l	J	UF	EPA200.8	SMP	0.68	1
BDD-SWSF-092315-A	9/23/15 13:34	Silver	0.1	ug/l	U	UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-092315-A	9/23/15 13:34	Sodium	17000	ug/l		UF	EPA200.8	SMP	240	1000
BDD-SWSF-092315-A	9/23/15 13:34	Thallium	0.06	ug/l	J	UF	EPA200.8	SMP	0.04	0.2

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-092315-A	9/23/15 13:34	Uranium	2.2	ug/l		UF	EPA200.8	SMP	0.05	0.1
BDD-SWSF-092315-A	9/23/15 13:34	Vanadium	7.5	ug/l		UF	EPA200.8	SMP	0.38	1
BDD-SWSF-092315-A	9/23/15 13:34	Zinc	20	ug/l	U	UF	EPA200.8	SMP	6.2	20
BDD-SWSF-102115-A	10/21/15 18:42	Aluminum	92000	ug/l		UF	EPA200.8	SMP	13	50
BDD-SWSF-102115-A-F	10/21/15 18:42	Aluminum	2640	ug/l		F	EPA200.8	DUP	13.1	50
BDD-SWSF-102115-A-F	10/21/15 18:42	Aluminum	2600	ug/l		F	EPA200.8	SMP	13	50
BDD-SWSF-102115-A	10/21/15 18:42	Antimony	0.3	ug/l	U	UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-102115-A-F	10/21/15 18:42	Antimony	0.43	ug/l		F	EPA200.8	DUP	0.179	0.3
BDD-SWSF-102115-A-F	10/21/15 18:42	Antimony	0.32	ug/l		F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-102115-A	10/21/15 18:42	Arsenic	19	ug/l		UF	EPA200.8	SMP	0.35	2
BDD-SWSF-102115-A-F	10/21/15 18:42	Arsenic	8.57	ug/l		F	EPA200.8	DUP	0.348	2
BDD-SWSF-102115-A-F	10/21/15 18:42	Arsenic	5.8	ug/l		F	EPA200.8	SMP	0.35	2
BDD-SWSF-102115-A	10/21/15 18:42	Barium	1600	ug/l		UF	EPA200.8	SMP	0.58	1
BDD-SWSF-102115-A-F	10/21/15 18:42	Barium	718	ug/l		F	EPA200.8	DUP	0.581	1
BDD-SWSF-102115-A-F	10/21/15 18:42	Barium	720	ug/l		F	EPA200.8	SMP	0.58	1
BDD-SWSF-102115-A	10/21/15 18:42	Beryllium	7.8	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-102115-A-F	10/21/15 18:42	Beryllium	2.48	ug/l		F	EPA200.8	DUP	0.131	0.5
BDD-SWSF-102115-A-F	10/21/15 18:42	Beryllium	2.3	ug/l		F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-102115-A	10/21/15 18:42	Boron	97	ug/l		UF	EPA200.8	SMP	6.9	50
BDD-SWSF-102115-A-F	10/21/15 18:42	Boron	42.3	ug/l	J	F	EPA200.8	DUP	6.91	50
BDD-SWSF-102115-A-F	10/21/15 18:42	Boron	44	ug/l	J	F	EPA200.8	SMP	6.9	50
BDD-SWSF-102115-A	10/21/15 18:42	Cadmium	0.96	ug/l		UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-102115-A-F	10/21/15 18:42	Cadmium	0.86	ug/l		F	EPA200.8	DUP	0.177	0.3
BDD-SWSF-102115-A-F	10/21/15 18:42	Cadmium	0.68	ug/l		F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-102115-A	10/21/15 18:42	Calcium	290000	ug/l		UF	EPA200.8	SMP	100	1000
BDD-SWSF-102115-A-F	10/21/15 18:42	Calcium	250000	ug/l		F	EPA200.8	DUP	100	1000
BDD-SWSF-102115-A-F	10/21/15 18:42	Calcium	260000	ug/l		F	EPA200.8	SMP	100	1000
BDD-SWSF-102115-A	10/21/15 18:42	Chromium	74	ug/l		UF	EPA200.8	SMP	0.6	10
BDD-SWSF-102115-A-F	10/21/15 18:42	Chromium	0.6	ug/l	U	F	EPA200.8	DUP	0.6	10
BDD-SWSF-102115-A-F	10/21/15 18:42	Chromium	0.98	ug/l	J	F	EPA200.8	SMP	0.6	10
BDD-SWSF-102115-A	10/21/15 18:42	Cobalt	50	ug/l		UF	EPA200.8	SMP	0.24	1
BDD-SWSF-102115-A-F	10/21/15 18:42	Cobalt	4.5	ug/l		F	EPA200.8	DUP	0.24	1
BDD-SWSF-102115-A-F	10/21/15 18:42	Cobalt	4.7	ug/l		F	EPA200.8	SMP	0.24	1
BDD-SWSF-102115-A	10/21/15 18:42	Copper	80	ug/l		UF	EPA200.8	SMP	3	10
BDD-SWSF-102115-A-F	10/21/15 18:42	Copper	11	ug/l		F	EPA200.8	DUP	3.05	10
BDD-SWSF-102115-A-F	10/21/15 18:42	Copper	12	ug/l		F	EPA200.8	SMP	3	10
BDD-SWSF-102115-A	10/21/15 18:42	Iron	75000	ug/l		UF	EPA200.8	SMP	25	100
BDD-SWSF-102115-A-F	10/21/15 18:42	Iron	294	ug/l		F	EPA200.8	DUP	24.7	100
BDD-SWSF-102115-A-F	10/21/15 18:42	Iron	340	ug/l		F	EPA200.8	SMP	25	100
BDD-SWSF-102115-A	10/21/15 18:42	Lead	85	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-102115-A-F	10/21/15 18:42	Lead	11.8	ug/l		F	EPA200.8	DUP	0.13	0.5
BDD-SWSF-102115-A-F	10/21/15 18:42	Lead	12	ug/l		F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-102115-A	10/21/15 18:42	Magnesium	54000	ug/l		UF	EPA200.8	SMP	45	100
BDD-SWSF-102115-A-F	10/21/15 18:42	Magnesium	10500	ug/l		F	EPA200.8	DUP	44.6	100
BDD-SWSF-102115-A-F	10/21/15 18:42	Magnesium	12000	ug/l		F	EPA200.8	SMP	45	100
BDD-SWSF-102115-A	10/21/15 18:42	Manganese	3800	ug/l		UF	EPA200.8	SMP	0.7	2
BDD-SWSF-102115-A-F	10/21/15 18:42	Manganese	1050	ug/l		F	EPA200.8	DUP	0.695	2
BDD-SWSF-102115-A-F	10/21/15 18:42	Manganese	1100	ug/l		F	EPA200.8	SMP	0.7	2
BDD-SWSF-102115-A	10/21/15 18:42	Mercury	0.089	ug/l	J	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-102115-A-F	10/21/15 18:42	Mercury	0.06	ug/l	U	F	EPA245.1	DUP	0.06	0.2
BDD-SWSF-102115-A-F	10/21/15 18:42	Mercury	0.2	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-102115-A	10/21/15 18:42	Nickel	97	ug/l		UF	EPA200.8	SMP	2.4	5
BDD-SWSF-102115-A-F	10/21/15 18:42	Nickel	5.06	ug/l		F	EPA200.8	DUP	2.44	5
BDD-SWSF-102115-A-F	10/21/15 18:42	Nickel	6.9	ug/l		F	EPA200.8	SMP	2.4	5
BDD-SWSF-102115-A	10/21/15 18:42	Potassium	26000	ug/l		UF	EPA200.8	SMP	220	1000
BDD-SWSF-102115-A-F	10/21/15 18:42	Potassium	4590	ug/l		F	EPA200.8	DUP	220	1000

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-102115-A-F	10/21/15 18:42	Potassium	4700	ug/l		F	EPA200.8	SMP	220	1000
BDD-SWSF-102115-A	10/21/15 18:42	Selenium	5.8	ug/l		UF	EPA200.8	SMP	0.68	1
BDD-SWSF-102115-A-F	10/21/15 18:42	Selenium	1.02	ug/l		F	EPA200.8	DUP	0.675	1
BDD-SWSF-102115-A-F	10/21/15 18:42	Selenium	1.4	ug/l		F	EPA200.8	SMP	0.68	1
BDD-SWSF-102115-A	10/21/15 18:42	Silver	0.15	ug/l		UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-102115-A-F	10/21/15 18:42	Silver	0.0379	ug/l	U	F	EPA200.8	DUP	0.0379	0.1
BDD-SWSF-102115-A-F	10/21/15 18:42	Silver	0.1	ug/l	U	F	EPA200.8	SMP	0.038	0.1
BDD-SWSF-102115-A	10/21/15 18:42	Sodium	19000	ug/l		UF	EPA200.8	SMP	240	1000
BDD-SWSF-102115-A-F	10/21/15 18:42	Sodium	17900	ug/l		F	EPA200.8	DUP	245	1000
BDD-SWSF-102115-A-F	10/21/15 18:42	Sodium	18000	ug/l		F	EPA200.8	SMP	240	1000
BDD-SWSF-102115-A	10/21/15 18:42	Thallium	1.4	ug/l		UF	EPA200.8	SMP	0.04	0.2
BDD-SWSF-102115-A-F	10/21/15 18:42	Thallium	0.0402	ug/l	U	F	EPA200.8	DUP	0.0402	0.2
BDD-SWSF-102115-A-F	10/21/15 18:42	Thallium	0.09	ug/l	J	F	EPA200.8	SMP	0.04	0.2
BDD-SWSF-102115-A	10/21/15 18:42	Uranium	25	ug/l		UF	EPA200.8	SMP	0.05	0.1
BDD-SWSF-102115-A-F	10/21/15 18:42	Uranium	8.55	ug/l		F	EPA200.8	DUP	0.0502	0.1
BDD-SWSF-102115-A-F	10/21/15 18:42	Uranium	8.9	ug/l		F	EPA200.8	SMP	0.05	0.1
BDD-SWSF-102115-A	10/21/15 18:42	Vanadium	130	ug/l		UF	EPA200.8	SMP	0.38	1
BDD-SWSF-102115-A-F	10/21/15 18:42	Vanadium	19	ug/l		F	EPA200.8	DUP	0.382	1
BDD-SWSF-102115-A-F	10/21/15 18:42	Vanadium	19	ug/l		F	EPA200.8	SMP	0.38	1
BDD-SWSF-102115-A	10/21/15 18:42	Zinc	310	ug/l		UF	EPA200.8	SMP	6.2	20
BDD-SWSF-102115-A-F	10/21/15 18:42	Zinc	10.1	ug/l	J	F	EPA200.8	DUP	6.21	20
BDD-SWSF-102115-A-F	10/21/15 18:42	Zinc	19	ug/l	J	F	EPA200.8	SMP	6.2	20
BDD-SWSF-102115-D	10/21/15 20:12	Aluminum	310000	ug/l		UF	EPA200.8	SMP	13	50
BDD-SWSF-102115-D	10/21/15 20:12	Antimony	0.3	ug/l	U	UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-102115-D	10/21/15 20:12	Arsenic	62	ug/l		UF	EPA200.8	SMP	0.35	2
BDD-SWSF-102115-D	10/21/15 20:12	Barium	6400	ug/l		UF	EPA200.8	SMP	0.58	1
BDD-SWSF-102115-D	10/21/15 20:12	Beryllium	27	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-102115-D	10/21/15 20:12	Boron	190	ug/l		UF	EPA200.8	SMP	6.9	50
BDD-SWSF-102115-D	10/21/15 20:12	Cadmium	4.9	ug/l		UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-102115-D	10/21/15 20:12	Calcium	1300000	ug/l		UF	EPA200.8	SMP	100	1000
BDD-SWSF-102115-D	10/21/15 20:12	Chromium	260	ug/l		UF	EPA200.8	SMP	0.6	10
BDD-SWSF-102115-D	10/21/15 20:12	Cobalt	180	ug/l		UF	EPA200.8	SMP	0.24	1
BDD-SWSF-102115-D	10/21/15 20:12	Copper	280	ug/l		UF	EPA200.8	SMP	3	10
BDD-SWSF-102115-D	10/21/15 20:12	Iron	240000	ug/l		UF	EPA200.8	SMP	25	100
BDD-SWSF-102115-D	10/21/15 20:12	Lead	280	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-102115-D	10/21/15 20:12	Magnesium	180000	ug/l		UF	EPA200.8	SMP	45	100
BDD-SWSF-102115-D	10/21/15 20:12	Manganese	14000	ug/l		UF	EPA200.8	SMP	0.7	2
BDD-SWSF-102115-D	10/21/15 20:12	Mercury	0.3	ug/l		UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-102115-D	10/21/15 20:12	Nickel	360	ug/l		UF	EPA200.8	SMP	2.4	5
BDD-SWSF-102115-D	10/21/15 20:12	Potassium	87000	ug/l		UF	EPA200.8	SMP	220	1000
BDD-SWSF-102115-D	10/21/15 20:12	Selenium	25	ug/l		UF	EPA200.8	SMP	0.68	1
BDD-SWSF-102115-D	10/21/15 20:12	Silver	0.41	ug/l		UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-102115-D	10/21/15 20:12	Sodium	25000	ug/l		UF	EPA200.8	SMP	240	1000
BDD-SWSF-102115-D	10/21/15 20:12	Thallium	4.6	ug/l		UF	EPA200.8	SMP	0.04	0.2
BDD-SWSF-102115-D	10/21/15 20:12	Uranium	100	ug/l		UF	EPA200.8	SMP	0.05	0.1
BDD-SWSF-102115-D	10/21/15 20:12	Vanadium	330	ug/l		UF	EPA200.8	SMP	0.38	1
BDD-SWSF-102115-D	10/21/15 20:12	Zinc	1100	ug/l		UF	EPA200.8	SMP	6.2	20
BDD-SWSF-102115-E	10/21/15 20:42	Aluminum	310000	ug/l		UF	EPA200.8	SMP	13	50
BDD-SWSF-102115-E-F	10/21/15 20:42	Aluminum	243	ug/l		F	EPA200.8	DUP	13.1	50
BDD-SWSF-102115-E-F	10/21/15 20:42	Aluminum	920	ug/l		F	EPA200.8	SMP	13	50
BDD-SWSF-102115-E	10/21/15 20:42	Antimony	0.3	ug/l	U	UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-102115-E-F	10/21/15 20:42	Antimony	0.42	ug/l		F	EPA200.8	DUP	0.179	0.3
BDD-SWSF-102115-E-F	10/21/15 20:42	Antimony	0.3	ug/l	J	F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-102115-E	10/21/15 20:42	Arsenic	64	ug/l		UF	EPA200.8	SMP	0.35	2
BDD-SWSF-102115-E-F	10/21/15 20:42	Arsenic	4.95	ug/l		F	EPA200.8	DUP	0.348	2
BDD-SWSF-102115-E-F	10/21/15 20:42	Arsenic	2.6	ug/l		F	EPA200.8	SMP	0.35	2

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-102115-E	10/21/15 20:42	Barium	5600	ug/l		UF	EPA200.8	SMP	0.58	1
BDD-SWSF-102115-E-F	10/21/15 20:42	Barium	94.1	ug/l		F	EPA200.8	DUP	0.581	1
BDD-SWSF-102115-E-F	10/21/15 20:42	Barium	110	ug/l		F	EPA200.8	SMP	0.58	1
BDD-SWSF-102115-E	10/21/15 20:42	Beryllium	25	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-102115-E-F	10/21/15 20:42	Beryllium	0.131	ug/l	U	F	EPA200.8	DUP	0.131	0.5
BDD-SWSF-102115-E-F	10/21/15 20:42	Beryllium	0.5	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-102115-E	10/21/15 20:42	Boron	180	ug/l		UF	EPA200.8	SMP	6.9	50
BDD-SWSF-102115-E-F	10/21/15 20:42	Boron	31.1	ug/l	J	F	EPA200.8	DUP	6.91	50
BDD-SWSF-102115-E-F	10/21/15 20:42	Boron	35	ug/l	J	F	EPA200.8	SMP	6.9	50
BDD-SWSF-102115-E	10/21/15 20:42	Cadmium	3	ug/l		UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-102115-E-F	10/21/15 20:42	Cadmium	0.177	ug/l	U	F	EPA200.8	DUP	0.177	0.3
BDD-SWSF-102115-E-F	10/21/15 20:42	Cadmium	0.3	ug/l	U	F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-102115-E	10/21/15 20:42	Calcium	1100000	ug/l		UF	EPA200.8	SMP	100	1000
BDD-SWSF-102115-E-F	10/21/15 20:42	Calcium	28400	ug/l		F	EPA200.8	DUP	100	1000
BDD-SWSF-102115-E-F	10/21/15 20:42	Calcium	27000	ug/l		F	EPA200.8	SMP	100	1000
BDD-SWSF-102115-E	10/21/15 20:42	Chromium	260	ug/l		UF	EPA200.8	SMP	0.6	10
BDD-SWSF-102115-E-F	10/21/15 20:42	Chromium	0.6	ug/l	U	F	EPA200.8	DUP	0.6	10
BDD-SWSF-102115-E-F	10/21/15 20:42	Chromium	1	ug/l	J	F	EPA200.8	SMP	0.6	10
BDD-SWSF-102115-E	10/21/15 20:42	Cobalt	180	ug/l		UF	EPA200.8	SMP	0.24	1
BDD-SWSF-102115-E-F	10/21/15 20:42	Cobalt	0.65	ug/l	J	F	EPA200.8	DUP	0.24	1
BDD-SWSF-102115-E-F	10/21/15 20:42	Cobalt	0.95	ug/l	J	F	EPA200.8	SMP	0.24	1
BDD-SWSF-102115-E	10/21/15 20:42	Copper	270	ug/l		UF	EPA200.8	SMP	3	10
BDD-SWSF-102115-E-F	10/21/15 20:42	Copper	3.05	ug/l	U	F	EPA200.8	DUP	3.05	10
BDD-SWSF-102115-E-F	10/21/15 20:42	Copper	10	ug/l	U	F	EPA200.8	SMP	3	10
BDD-SWSF-102115-E	10/21/15 20:42	Iron	240000	ug/l		UF	EPA200.8	SMP	25	100
BDD-SWSF-102115-E-F	10/21/15 20:42	Iron	147	ug/l		F	EPA200.8	DUP	24.7	100
BDD-SWSF-102115-E-F	10/21/15 20:42	Iron	740	ug/l		F	EPA200.8	SMP	25	100
BDD-SWSF-102115-E	10/21/15 20:42	Lead	250	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-102115-E-F	10/21/15 20:42	Lead	0.13	ug/l	U	F	EPA200.8	DUP	0.13	0.5
BDD-SWSF-102115-E-F	10/21/15 20:42	Lead	0.48	ug/l	J	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-102115-E	10/21/15 20:42	Magnesium	180000	ug/l		UF	EPA200.8	SMP	45	100
BDD-SWSF-102115-E-F	10/21/15 20:42	Magnesium	2900	ug/l		F	EPA200.8	DUP	44.6	100
BDD-SWSF-102115-E-F	10/21/15 20:42	Magnesium	3600	ug/l		F	EPA200.8	SMP	45	100
BDD-SWSF-102115-E	10/21/15 20:42	Manganese	13000	ug/l		UF	EPA200.8	SMP	0.7	2
BDD-SWSF-102115-E-F	10/21/15 20:42	Manganese	154	ug/l		F	EPA200.8	DUP	0.695	2
BDD-SWSF-102115-E-F	10/21/15 20:42	Manganese	150	ug/l		F	EPA200.8	SMP	0.7	2
BDD-SWSF-102115-E	10/21/15 20:42	Mercury	0.27	ug/l		UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-102115-E-F	10/21/15 20:42	Mercury	0.06	ug/l	U	F	EPA245.1	DUP	0.06	0.2
BDD-SWSF-102115-E-F	10/21/15 20:42	Mercury	0.2	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-102115-E	10/21/15 20:42	Nickel	340	ug/l		UF	EPA200.8	SMP	2.4	5
BDD-SWSF-102115-E-F	10/21/15 20:42	Nickel	2.44	ug/l	U	F	EPA200.8	DUP	2.44	5
BDD-SWSF-102115-E-F	10/21/15 20:42	Nickel	5.8	ug/l		F	EPA200.8	SMP	2.4	5
BDD-SWSF-102115-E	10/21/15 20:42	Potassium	87000	ug/l		UF	EPA200.8	SMP	220	1000
BDD-SWSF-102115-E-F	10/21/15 20:42	Potassium	3200	ug/l		F	EPA200.8	DUP	220	1000
BDD-SWSF-102115-E-F	10/21/15 20:42	Potassium	3200	ug/l		F	EPA200.8	SMP	220	1000
BDD-SWSF-102115-E	10/21/15 20:42	Selenium	26	ug/l		UF	EPA200.8	SMP	0.68	1
BDD-SWSF-102115-E-F	10/21/15 20:42	Selenium	0.675	ug/l	U	F	EPA200.8	DUP	0.675	1
BDD-SWSF-102115-E-F	10/21/15 20:42	Selenium	1	ug/l	U	F	EPA200.8	SMP	0.68	1
BDD-SWSF-102115-E	10/21/15 20:42	Silver	0.43	ug/l		UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-102115-E-F	10/21/15 20:42	Silver	0.0379	ug/l	U	F	EPA200.8	DUP	0.0379	0.1
BDD-SWSF-102115-E-F	10/21/15 20:42	Silver	0.07	ug/l	J	F	EPA200.8	SMP	0.038	0.1
BDD-SWSF-102115-E	10/21/15 20:42	Sodium	26000	ug/l		UF	EPA200.8	SMP	240	1000
BDD-SWSF-102115-E-F	10/21/15 20:42	Sodium	18800	ug/l		F	EPA200.8	DUP	245	1000
BDD-SWSF-102115-E-F	10/21/15 20:42	Sodium	19000	ug/l		F	EPA200.8	SMP	240	1000
BDD-SWSF-102115-E	10/21/15 20:42	Thallium	4.5	ug/l		UF	EPA200.8	SMP	0.04	0.2
BDD-SWSF-102115-E-F	10/21/15 20:42	Thallium	0.0402	ug/l	U	F	EPA200.8	DUP	0.0402	0.2

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-102115-E-F	10/21/15 20:42	Thallium	0.2	ug/l	U	F	EPA200.8	SMP	0.04	0.2
BDD-SWSF-102115-E	10/21/15 20:42	Uranium	99	ug/l		UF	EPA200.8	SMP	0.05	0.1
BDD-SWSF-102115-E-F	10/21/15 20:42	Uranium	10.5	ug/l		F	EPA200.8	DUP	0.0502	0.1
BDD-SWSF-102115-E-F	10/21/15 20:42	Uranium	10	ug/l		F	EPA200.8	SMP	0.05	0.1
BDD-SWSF-102115-E	10/21/15 20:42	Vanadium	340	ug/l		UF	EPA200.8	SMP	0.38	1
BDD-SWSF-102115-E-F	10/21/15 20:42	Vanadium	6.81	ug/l		F	EPA200.8	DUP	0.382	1
BDD-SWSF-102115-E-F	10/21/15 20:42	Vanadium	7.7	ug/l		F	EPA200.8	SMP	0.38	1
BDD-SWSF-102115-E	10/21/15 20:42	Zinc	1100	ug/l		UF	EPA200.8	SMP	6.2	20
BDD-SWSF-102115-E-F	10/21/15 20:42	Zinc	6.21	ug/l	U	F	EPA200.8	DUP	6.21	20
BDD-SWSF-102115-E-F	10/21/15 20:42	Zinc	20	ug/l	U	F	EPA200.8	SMP	6.2	20
BDD-SWSF-102115-F	10/21/15 21:12	Aluminum	260000	ug/l		UF	EPA200.8	SMP	13	50
BDD-SWSF-102115-F	10/21/15 21:12	Antimony	0.3	ug/l	U	UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-102115-F	10/21/15 21:12	Arsenic	48	ug/l		UF	EPA200.8	SMP	0.35	2
BDD-SWSF-102115-F	10/21/15 21:12	Barium	5000	ug/l		UF	EPA200.8	SMP	0.58	1
BDD-SWSF-102115-F	10/21/15 21:12	Beryllium	22	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-102115-F	10/21/15 21:12	Boron	190	ug/l		UF	EPA200.8	SMP	6.9	50
BDD-SWSF-102115-F	10/21/15 21:12	Cadmium	3	ug/l		UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-102115-F	10/21/15 21:12	Calcium	950000	ug/l		UF	EPA200.8	SMP	100	1000
BDD-SWSF-102115-F	10/21/15 21:12	Chromium	220	ug/l		UF	EPA200.8	SMP	0.6	10
BDD-SWSF-102115-F	10/21/15 21:12	Cobalt	150	ug/l		UF	EPA200.8	SMP	0.24	1
BDD-SWSF-102115-F	10/21/15 21:12	Copper	230	ug/l		UF	EPA200.8	SMP	3	10
BDD-SWSF-102115-F	10/21/15 21:12	Iron	210000	ug/l		UF	EPA200.8	SMP	25	100
BDD-SWSF-102115-F	10/21/15 21:12	Lead	220	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-102115-F	10/21/15 21:12	Magnesium	150000	ug/l		UF	EPA200.8	SMP	45	100
BDD-SWSF-102115-F	10/21/15 21:12	Manganese	10000	ug/l		UF	EPA200.8	SMP	0.7	2
BDD-SWSF-102115-F	10/21/15 21:12	Mercury	0.23	ug/l		UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-102115-F	10/21/15 21:12	Nickel	290	ug/l		UF	EPA200.8	SMP	2.4	5
BDD-SWSF-102115-F	10/21/15 21:12	Potassium	76000	ug/l		UF	EPA200.8	SMP	220	1000
BDD-SWSF-102115-F	10/21/15 21:12	Selenium	19	ug/l		UF	EPA200.8	SMP	0.68	1
BDD-SWSF-102115-F	10/21/15 21:12	Silver	0.38	ug/l		UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-102115-F	10/21/15 21:12	Sodium	25000	ug/l		UF	EPA200.8	SMP	240	1000
BDD-SWSF-102115-F	10/21/15 21:12	Thallium	3.9	ug/l		UF	EPA200.8	SMP	0.04	0.2
BDD-SWSF-102115-F	10/21/15 21:12	Uranium	89	ug/l		UF	EPA200.8	SMP	0.05	0.1
BDD-SWSF-102115-F	10/21/15 21:12	Vanadium	290	ug/l		UF	EPA200.8	SMP	0.38	1
BDD-SWSF-102115-F	10/21/15 21:12	Zinc	860	ug/l		UF	EPA200.8	SMP	6.2	20
BDD-SWSF-102115-H	10/21/15 22:42	Aluminum	220000	ug/l		UF	EPA200.8	SMP	13	50
BDD-SWSF-102115-H	10/21/15 22:42	Antimony	0.3	ug/l	U	UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-102115-H	10/21/15 22:42	Arsenic	42	ug/l		UF	EPA200.8	SMP	0.35	2
BDD-SWSF-102115-H	10/21/15 22:42	Barium	3700	ug/l		UF	EPA200.8	SMP	0.58	1
BDD-SWSF-102115-H	10/21/15 22:42	Beryllium	16	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-102115-H	10/21/15 22:42	Boron	150	ug/l		UF	EPA200.8	SMP	6.9	50
BDD-SWSF-102115-H	10/21/15 22:42	Cadmium	2.2	ug/l		UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-102115-H	10/21/15 22:42	Calcium	700000	ug/l		UF	EPA200.8	SMP	100	1000
BDD-SWSF-102115-H	10/21/15 22:42	Chromium	180	ug/l		UF	EPA200.8	SMP	0.6	10
BDD-SWSF-102115-H	10/21/15 22:42	Cobalt	120	ug/l		UF	EPA200.8	SMP	0.24	1
BDD-SWSF-102115-H	10/21/15 22:42	Copper	180	ug/l		UF	EPA200.8	SMP	3	10
BDD-SWSF-102115-H	10/21/15 22:42	Iron	170000	ug/l		UF	EPA200.8	SMP	25	100
BDD-SWSF-102115-H	10/21/15 22:42	Lead	160	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-102115-H	10/21/15 22:42	Magnesium	130000	ug/l		UF	EPA200.8	SMP	45	100
BDD-SWSF-102115-H	10/21/15 22:42	Manganese	7700	ug/l		UF	EPA200.8	SMP	0.7	2
BDD-SWSF-102115-H	10/21/15 22:42	Mercury	0.16	ug/l	J	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-102115-H	10/21/15 22:42	Nickel	230	ug/l		UF	EPA200.8	SMP	2.4	5
BDD-SWSF-102115-H	10/21/15 22:42	Potassium	63000	ug/l		UF	EPA200.8	SMP	220	1000
BDD-SWSF-102115-H	10/21/15 22:42	Selenium	16	ug/l		UF	EPA200.8	SMP	0.68	1
BDD-SWSF-102115-H	10/21/15 22:42	Silver	0.37	ug/l		UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-102115-H	10/21/15 22:42	Sodium	22000	ug/l		UF	EPA200.8	SMP	240	1000

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-102115-H	10/21/15 22:42	Thallium	3.1	ug/l		UF	EPA200.8	SMP	0.04	0.2
BDD-SWSF-102115-H	10/21/15 22:42	Uranium	70	ug/l		UF	EPA200.8	SMP	0.05	0.1
BDD-SWSF-102115-H	10/21/15 22:42	Vanadium	240	ug/l		UF	EPA200.8	SMP	0.38	1
BDD-SWSF-102115-H	10/21/15 22:42	Zinc	670	ug/l		UF	EPA200.8	SMP	6.2	20
BDD-SWSF-102415-A	10/24/15 0:11	Aluminum	22000	ug/l		UF	EPA200.8	SMP	13	50
BDD-SWSF-102415-A-F	10/24/15 0:11	Aluminum	190	ug/l		F	EPA200.8	SMP	13	50
BDD-SWSF-102415-A	10/24/15 0:11	Antimony	0.3	ug/l	U	UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-102415-A-F	10/24/15 0:11	Antimony	0.41	ug/l		F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-102415-A	10/24/15 0:11	Arsenic	4.7	ug/l		UF	EPA200.8	SMP	0.35	2
BDD-SWSF-102415-A-F	10/24/15 0:11	Arsenic	1.6	ug/l	J	F	EPA200.8	SMP	0.35	2
BDD-SWSF-102415-A	10/24/15 0:11	Barium	380	ug/l		UF	EPA200.8	SMP	0.58	1
BDD-SWSF-102415-A-F	10/24/15 0:11	Barium	91	ug/l		F	EPA200.8	SMP	0.58	1
BDD-SWSF-102415-A	10/24/15 0:11	Beryllium	1.1	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-102415-A-F	10/24/15 0:11	Beryllium	0.5	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-102415-A	10/24/15 0:11	Boron	55	ug/l		UF	EPA200.8	SMP	6.9	50
BDD-SWSF-102415-A-F	10/24/15 0:11	Boron	39	ug/l	J	F	EPA200.8	SMP	6.9	50
BDD-SWSF-102415-A	10/24/15 0:11	Cadmium	0.3	ug/l	U	UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-102415-A-F	10/24/15 0:11	Cadmium	0.3	ug/l	U	F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-102415-A	10/24/15 0:11	Calcium	71000	ug/l		UF	EPA200.8	SMP	100	1000
BDD-SWSF-102415-A-F	10/24/15 0:11	Calcium	40000	ug/l		F	EPA200.8	SMP	100	1000
BDD-SWSF-102415-A	10/24/15 0:11	Chromium	14	ug/l		UF	EPA200.8	SMP	0.6	10
BDD-SWSF-102415-A-F	10/24/15 0:11	Chromium	0.65	ug/l	J	F	EPA200.8	SMP	0.6	10
BDD-SWSF-102415-A	10/24/15 0:11	Cobalt	8.6	ug/l		UF	EPA200.8	SMP	0.24	1
BDD-SWSF-102415-A-F	10/24/15 0:11	Cobalt	0.32	ug/l	J	F	EPA200.8	SMP	0.24	1
BDD-SWSF-102415-A	10/24/15 0:11	Copper	12	ug/l		UF	EPA200.8	SMP	3	10
BDD-SWSF-102415-A-F	10/24/15 0:11	Copper	10	ug/l	U	F	EPA200.8	SMP	3	10
BDD-SWSF-102415-A	10/24/15 0:11	Iron	14000	ug/l		UF	EPA200.8	SMP	25	100
BDD-SWSF-102415-A-F	10/24/15 0:11	Iron	97	ug/l	J	F	EPA200.8	SMP	25	100
BDD-SWSF-102415-A	10/24/15 0:11	Lead	11	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-102415-A-F	10/24/15 0:11	Lead	0.5	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-102415-A	10/24/15 0:11	Magnesium	16000	ug/l		UF	EPA200.8	SMP	45	100
BDD-SWSF-102415-A-F	10/24/15 0:11	Magnesium	6200	ug/l		F	EPA200.8	SMP	45	100
BDD-SWSF-102415-A	10/24/15 0:11	Manganese	550	ug/l		UF	EPA200.8	SMP	0.7	2
BDD-SWSF-102415-A-F	10/24/15 0:11	Manganese	5.6	ug/l		F	EPA200.8	SMP	0.7	2
BDD-SWSF-102415-A	10/24/15 0:11	Mercury	0.2	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-102415-A-F	10/24/15 0:11	Mercury	0.2	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-102415-A	10/24/15 0:11	Nickel	21	ug/l		UF	EPA200.8	SMP	2.4	5
BDD-SWSF-102415-A-F	10/24/15 0:11	Nickel	5	ug/l	U	F	EPA200.8	SMP	2.4	5
BDD-SWSF-102415-A	10/24/15 0:11	Potassium	7500	ug/l		UF	EPA200.8	SMP	220	1000
BDD-SWSF-102415-A-F	10/24/15 0:11	Potassium	2700	ug/l		F	EPA200.8	SMP	220	1000
BDD-SWSF-102415-A	10/24/15 0:11	Selenium	1	ug/l		UF	EPA200.8	SMP	0.68	1
BDD-SWSF-102415-A-F	10/24/15 0:11	Selenium	1	ug/l	U	F	EPA200.8	SMP	0.68	1
BDD-SWSF-102415-A	10/24/15 0:11	Silver	0.06	ug/l	J	UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-102415-A-F	10/24/15 0:11	Silver	0.1	ug/l	U	F	EPA200.8	SMP	0.038	0.1
BDD-SWSF-102415-A	10/24/15 0:11	Sodium	20000	ug/l		UF	EPA200.8	SMP	240	1000
BDD-SWSF-102415-A-F	10/24/15 0:11	Sodium	20000	ug/l		F	EPA200.8	SMP	240	1000
BDD-SWSF-102415-A	10/24/15 0:11	Thallium	0.35	ug/l		UF	EPA200.8	SMP	0.04	0.2
BDD-SWSF-102415-A-F	10/24/15 0:11	Thallium	0.2	ug/l	U	F	EPA200.8	SMP	0.04	0.2
BDD-SWSF-102415-A	10/24/15 0:11	Uranium	5.4	ug/l		UF	EPA200.8	SMP	0.05	0.1
BDD-SWSF-102415-A-F	10/24/15 0:11	Uranium	3.1	ug/l		F	EPA200.8	SMP	0.05	0.1
BDD-SWSF-102415-A	10/24/15 0:11	Vanadium	29	ug/l		UF	EPA200.8	SMP	0.38	1
BDD-SWSF-102415-A-F	10/24/15 0:11	Vanadium	3.6	ug/l		F	EPA200.8	SMP	0.38	1
BDD-SWSF-102415-A	10/24/15 0:11	Zinc	60	ug/l		UF	EPA200.8	SMP	6.2	20
BDD-SWSF-102415-A-F	10/24/15 0:11	Zinc	20	ug/l	U	F	EPA200.8	SMP	6.2	20
BDD-SWSF-102415-B	10/24/15 0:41	Aluminum	13000	ug/l		UF	EPA200.8	SMP	14	50
BDD-SWSF-102415-B	10/24/15 0:41	Antimony	0.14	ug/l	J	UF	EPA200.8	SMP	0.11	0.3

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-102415-B	10/24/15 0:41	Arsenic	3.4	ug/l		UF	EPA200.8	SMP	0.2	2
BDD-SWSF-102415-B	10/24/15 0:41	Barium	300	ug/l		UF	EPA200.8	SMP	0.16	1
BDD-SWSF-102415-B	10/24/15 0:41	Beryllium	0.95	ug/l		UF	EPA200.8	SMP	0.27	0.5
BDD-SWSF-102415-B	10/24/15 0:41	Boron	52	ug/l		UF	EPA200.8	SMP	12	50
BDD-SWSF-102415-B	10/24/15 0:41	Cadmium	0.3	ug/l	U	UF	EPA200.8	SMP	0.088	0.3
BDD-SWSF-102415-B	10/24/15 0:41	Calcium	62000	ug/l		UF	EPA200.8	SMP	68	1000
BDD-SWSF-102415-B	10/24/15 0:41	Chromium	9.6	ug/l	J	UF	EPA200.8	SMP	0.88	10
BDD-SWSF-102415-B	10/24/15 0:41	Cobalt	5.7	ug/l		UF	EPA200.8	SMP	0.083	1
BDD-SWSF-102415-B	10/24/15 0:41	Copper	16	ug/l		UF	EPA200.8	SMP	1.2	10
BDD-SWSF-102415-B	10/24/15 0:41	Iron	8500	ug/l		UF	EPA200.8	SMP	8.1	100
BDD-SWSF-102415-B	10/24/15 0:41	Lead	11	ug/l		UF	EPA200.8	SMP	0.17	0.5
BDD-SWSF-102415-B	10/24/15 0:41	Magnesium	13000	ug/l		UF	EPA200.8	SMP	18	100
BDD-SWSF-102415-B	10/24/15 0:41	Manganese	390	ug/l		UF	EPA200.8	SMP	0.34	2
BDD-SWSF-102415-B	10/24/15 0:41	Mercury	0.2	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-102415-B	10/24/15 0:41	Nickel	17	ug/l		UF	EPA200.8	SMP	4	5
BDD-SWSF-102415-B	10/24/15 0:41	Potassium	6500	ug/l		UF	EPA200.8	SMP	290	1000
BDD-SWSF-102415-B	10/24/15 0:41	Selenium	1	ug/l	U	UF	EPA200.8	SMP	0.66	1
BDD-SWSF-102415-B	10/24/15 0:41	Silver	0.1	ug/l	U	UF	EPA200.8	SMP	0.041	0.1
BDD-SWSF-102415-B	10/24/15 0:41	Sodium	22000	ug/l		UF	EPA200.8	SMP	200	1000
BDD-SWSF-102415-B	10/24/15 0:41	Thallium	0.23	ug/l		UF	EPA200.8	SMP	0.018	0.2
BDD-SWSF-102415-B	10/24/15 0:41	Uranium	6	ug/l		UF	EPA200.8	SMP	0.02	0.1
BDD-SWSF-102415-B	10/24/15 0:41	Vanadium	23	ug/l		UF	EPA200.8	SMP	0.71	1
BDD-SWSF-102415-B	10/24/15 0:41	Zinc	41	ug/l		UF	EPA200.8	SMP	9.8	20
BDD-SWSF-102415-C	10/24/15 1:11	Aluminum	14000	ug/l		UF	EPA200.8	SMP	13	50
BDD-SWSF-102415-C-F	10/24/15 1:11	Aluminum	75	ug/l		F	EPA200.8	SMP	13	50
BDD-SWSF-102415-C	10/24/15 1:11	Antimony	0.19	ug/l	J	UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-102415-C-F	10/24/15 1:11	Antimony	0.38	ug/l		F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-102415-C	10/24/15 1:11	Arsenic	4	ug/l		UF	EPA200.8	SMP	0.35	2
BDD-SWSF-102415-C-F	10/24/15 1:11	Arsenic	0.92	ug/l	J	F	EPA200.8	SMP	0.35	2
BDD-SWSF-102415-C	10/24/15 1:11	Barium	270	ug/l		UF	EPA200.8	SMP	0.58	1
BDD-SWSF-102415-C-F	10/24/15 1:11	Barium	88	ug/l		F	EPA200.8	SMP	0.58	1
BDD-SWSF-102415-C	10/24/15 1:11	Beryllium	0.57	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-102415-C-F	10/24/15 1:11	Beryllium	0.5	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-102415-C	10/24/15 1:11	Boron	45	ug/l	J	UF	EPA200.8	SMP	6.9	50
BDD-SWSF-102415-C-F	10/24/15 1:11	Boron	35	ug/l	J	F	EPA200.8	SMP	6.9	50
BDD-SWSF-102415-C	10/24/15 1:11	Cadmium	0.3	ug/l	U	UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-102415-C-F	10/24/15 1:11	Cadmium	0.3	ug/l	U	F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-102415-C	10/24/15 1:11	Calcium	62000	ug/l		UF	EPA200.8	SMP	100	1000
BDD-SWSF-102415-C-F	10/24/15 1:11	Calcium	37000	ug/l		F	EPA200.8	SMP	100	1000
BDD-SWSF-102415-C	10/24/15 1:11	Chromium	9.8	ug/l	J	UF	EPA200.8	SMP	0.6	10
BDD-SWSF-102415-C-F	10/24/15 1:11	Chromium	10	ug/l	U	F	EPA200.8	SMP	0.6	10
BDD-SWSF-102415-C	10/24/15 1:11	Cobalt	5.1	ug/l		UF	EPA200.8	SMP	0.24	1
BDD-SWSF-102415-C-F	10/24/15 1:11	Cobalt	1	ug/l	U	F	EPA200.8	SMP	0.24	1
BDD-SWSF-102415-C	10/24/15 1:11	Copper	5	ug/l	J	UF	EPA200.8	SMP	3	10
BDD-SWSF-102415-C-F	10/24/15 1:11	Copper	10	ug/l	U	F	EPA200.8	SMP	3	10
BDD-SWSF-102415-C	10/24/15 1:11	Iron	8900	ug/l		UF	EPA200.8	SMP	25	100
BDD-SWSF-102415-C-F	10/24/15 1:11	Iron	31	ug/l	J	F	EPA200.8	SMP	25	100
BDD-SWSF-102415-C	10/24/15 1:11	Lead	7.9	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-102415-C-F	10/24/15 1:11	Lead	0.5	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-102415-C	10/24/15 1:11	Magnesium	13000	ug/l		UF	EPA200.8	SMP	45	100
BDD-SWSF-102415-C-F	10/24/15 1:11	Magnesium	6400	ug/l		F	EPA200.8	SMP	45	100
BDD-SWSF-102415-C	10/24/15 1:11	Manganese	370	ug/l		UF	EPA200.8	SMP	0.7	2
BDD-SWSF-102415-C-F	10/24/15 1:11	Manganese	2.5	ug/l		F	EPA200.8	SMP	0.7	2
BDD-SWSF-102415-C	10/24/15 1:11	Mercury	0.2	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-102415-C-F	10/24/15 1:11	Mercury	0.2	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-102415-C	10/24/15 1:11	Nickel	15	ug/l		UF	EPA200.8	SMP	2.4	5

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-102415-C-F	10/24/15 1:11	Nickel	5	ug/l	U	F	EPA200.8	SMP	2.4	5
BDD-SWSF-102415-C	10/24/15 1:11	Potassium	6200	ug/l		UF	EPA200.8	SMP	220	1000
BDD-SWSF-102415-C-F	10/24/15 1:11	Potassium	2500	ug/l		F	EPA200.8	SMP	220	1000
BDD-SWSF-102415-C	10/24/15 1:11	Selenium	1.6	ug/l		UF	EPA200.8	SMP	0.68	1
BDD-SWSF-102415-C-F	10/24/15 1:11	Selenium	1	ug/l	U	F	EPA200.8	SMP	0.68	1
BDD-SWSF-102415-C	10/24/15 1:11	Silver	0.1	ug/l	U	UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-102415-C-F	10/24/15 1:11	Silver	0.1	ug/l	U	F	EPA200.8	SMP	0.038	0.1
BDD-SWSF-102415-C	10/24/15 1:11	Sodium	21000	ug/l		UF	EPA200.8	SMP	240	1000
BDD-SWSF-102415-C-F	10/24/15 1:11	Sodium	19000	ug/l		F	EPA200.8	SMP	240	1000
BDD-SWSF-102415-C	10/24/15 1:11	Thallium	0.14	ug/l	J	UF	EPA200.8	SMP	0.04	0.2
BDD-SWSF-102415-C-F	10/24/15 1:11	Thallium	0.2	ug/l	U	F	EPA200.8	SMP	0.04	0.2
BDD-SWSF-102415-C	10/24/15 1:11	Uranium	4.1	ug/l		UF	EPA200.8	SMP	0.05	0.1
BDD-SWSF-102415-C-F	10/24/15 1:11	Uranium	3	ug/l		F	EPA200.8	SMP	0.05	0.1
BDD-SWSF-102415-C	10/24/15 1:11	Vanadium	21	ug/l		UF	EPA200.8	SMP	0.38	1
BDD-SWSF-102415-C-F	10/24/15 1:11	Vanadium	3.4	ug/l		F	EPA200.8	SMP	0.38	1
BDD-SWSF-102415-C	10/24/15 1:11	Zinc	19	ug/l	J	UF	EPA200.8	SMP	6.2	20
BDD-SWSF-102415-C-F	10/24/15 1:11	Zinc	20	ug/l	U	F	EPA200.8	SMP	6.2	20
BDD-SWSF-102415-D	10/24/15 1:41	Aluminum	9710	ug/l		UF	EPA200.8	DUP	14.1	50
BDD-SWSF-102415-D	10/24/15 1:41	Aluminum	8500	ug/l		UF	EPA200.8	SMP	14	50
BDD-SWSF-102415-D	10/24/15 1:41	Antimony	0.11	ug/l	J	UF	EPA200.8	DUP	0.108	0.3
BDD-SWSF-102415-D	10/24/15 1:41	Antimony	0.3	ug/l	U	UF	EPA200.8	SMP	0.11	0.3
BDD-SWSF-102415-D	10/24/15 1:41	Arsenic	2.4	ug/l		UF	EPA200.8	SMP	0.2	2
BDD-SWSF-102415-D	10/24/15 1:41	Arsenic	2.28	ug/l		UF	EPA200.8	DUP	0.204	2
BDD-SWSF-102415-D	10/24/15 1:41	Barium	190	ug/l		UF	EPA200.8	DUP	0.165	1
BDD-SWSF-102415-D	10/24/15 1:41	Barium	180	ug/l		UF	EPA200.8	SMP	0.16	1
BDD-SWSF-102415-D	10/24/15 1:41	Beryllium	0.55	ug/l		UF	EPA200.8	DUP	0.266	0.5
BDD-SWSF-102415-D	10/24/15 1:41	Beryllium	0.56	ug/l		UF	EPA200.8	SMP	0.27	0.5
BDD-SWSF-102415-D	10/24/15 1:41	Boron	31	ug/l	J	UF	EPA200.8	SMP	12	50
BDD-SWSF-102415-D	10/24/15 1:41	Boron	29.1	ug/l	J	UF	EPA200.8	DUP	12.4	50
BDD-SWSF-102415-D	10/24/15 1:41	Cadmium	0.3	ug/l	U	UF	EPA200.8	SMP	0.088	0.3
BDD-SWSF-102415-D	10/24/15 1:41	Cadmium	0.088	ug/l	U	UF	EPA200.8	DUP	0.088	0.3
BDD-SWSF-102415-D	10/24/15 1:41	Calcium	38000	ug/l		UF	EPA200.8	SMP	68	1000
BDD-SWSF-102415-D	10/24/15 1:41	Calcium	37700	ug/l		UF	EPA200.8	DUP	68	1000
BDD-SWSF-102415-D	10/24/15 1:41	Chromium	6.98	ug/l	J	UF	EPA200.8	DUP	0.878	10
BDD-SWSF-102415-D	10/24/15 1:41	Chromium	6.3	ug/l	J	UF	EPA200.8	SMP	0.88	10
BDD-SWSF-102415-D	10/24/15 1:41	Cobalt	3.8	ug/l		UF	EPA200.8	SMP	0.083	1
BDD-SWSF-102415-D	10/24/15 1:41	Cobalt	4.08	ug/l		UF	EPA200.8	DUP	0.0826	1
BDD-SWSF-102415-D	10/24/15 1:41	Copper	9.8	ug/l	J	UF	EPA200.8	SMP	1.2	10
BDD-SWSF-102415-D	10/24/15 1:41	Copper	10.5	ug/l		UF	EPA200.8	DUP	1.15	10
BDD-SWSF-102415-D	10/24/15 1:41	Iron	5600	ug/l		UF	EPA200.8	SMP	8.1	100
BDD-SWSF-102415-D	10/24/15 1:41	Iron	6360	ug/l		UF	EPA200.8	DUP	8.11	100
BDD-SWSF-102415-D	10/24/15 1:41	Lead	5.7	ug/l		UF	EPA200.8	SMP	0.17	0.5
BDD-SWSF-102415-D	10/24/15 1:41	Lead	6.12	ug/l		UF	EPA200.8	DUP	0.171	0.5
BDD-SWSF-102415-D	10/24/15 1:41	Magnesium	8330	ug/l		UF	EPA200.8	DUP	17.7	100
BDD-SWSF-102415-D	10/24/15 1:41	Magnesium	8100	ug/l		UF	EPA200.8	SMP	18	100
BDD-SWSF-102415-D	10/24/15 1:41	Manganese	245	ug/l		UF	EPA200.8	DUP	0.338	2
BDD-SWSF-102415-D	10/24/15 1:41	Manganese	240	ug/l		UF	EPA200.8	SMP	0.34	2
BDD-SWSF-102415-D	10/24/15 1:41	Mercury	0.2	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-102415-D	10/24/15 1:41	Nickel	9.3	ug/l		UF	EPA200.8	SMP	4	5
BDD-SWSF-102415-D	10/24/15 1:41	Nickel	10.2	ug/l		UF	EPA200.8	DUP	3.95	5
BDD-SWSF-102415-D	10/24/15 1:41	Potassium	4540	ug/l		UF	EPA200.8	DUP	294	1000
BDD-SWSF-102415-D	10/24/15 1:41	Potassium	4300	ug/l		UF	EPA200.8	SMP	290	1000
BDD-SWSF-102415-D	10/24/15 1:41	Selenium	0.663	ug/l	U	UF	EPA200.8	DUP	0.663	1
BDD-SWSF-102415-D	10/24/15 1:41	Selenium	1	ug/l	U	UF	EPA200.8	SMP	0.66	1
BDD-SWSF-102415-D	10/24/15 1:41	Silver	0.05	ug/l	J	UF	EPA200.8	SMP	0.041	0.1
BDD-SWSF-102415-D	10/24/15 1:41	Silver	0.0407	ug/l	U	UF	EPA200.8	DUP	0.0407	0.1

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-102415-D	10/24/15 1:41	Sodium	12600	ug/l		UF	EPA200.8	DUP	199	1000
BDD-SWSF-102415-D	10/24/15 1:41	Sodium	12000	ug/l		UF	EPA200.8	SMP	200	1000
BDD-SWSF-102415-D	10/24/15 1:41	Thallium	0.16	ug/l	J	UF	EPA200.8	DUP	0.0175	0.2
BDD-SWSF-102415-D	10/24/15 1:41	Thallium	0.12	ug/l	J	UF	EPA200.8	SMP	0.018	0.2
BDD-SWSF-102415-D	10/24/15 1:41	Uranium	3.7	ug/l		UF	EPA200.8	DUP	0.0198	0.1
BDD-SWSF-102415-D	10/24/15 1:41	Uranium	3.2	ug/l		UF	EPA200.8	SMP	0.02	0.1
BDD-SWSF-102415-D	10/24/15 1:41	Vanadium	16.5	ug/l		UF	EPA200.8	DUP	0.709	1
BDD-SWSF-102415-D	10/24/15 1:41	Vanadium	16	ug/l		UF	EPA200.8	SMP	0.71	1
BDD-SWSF-102415-D	10/24/15 1:41	Zinc	23.9	ug/l		UF	EPA200.8	DUP	9.77	20
BDD-SWSF-102415-D	10/24/15 1:41	Zinc	26	ug/l		UF	EPA200.8	SMP	9.8	20
BDD-SWSF-102415-G	10/24/15 3:11	Aluminum	14000	ug/l		UF	EPA200.8	SMP	14	50
BDD-SWSF-102415-G	10/24/15 3:11	Aluminum	14200	ug/l		UF	EPA200.8	DUP	14.1	50
BDD-SWSF-102415-G	10/24/15 3:11	Antimony	0.12	ug/l	J	UF	EPA200.8	SMP	0.11	0.3
BDD-SWSF-102415-G	10/24/15 3:11	Antimony	0.16	ug/l	J	UF	EPA200.8	DUP	0.108	0.3
BDD-SWSF-102415-G	10/24/15 3:11	Arsenic	3.8	ug/l		UF	EPA200.8	SMP	0.2	2
BDD-SWSF-102415-G	10/24/15 3:11	Arsenic	3.93	ug/l		UF	EPA200.8	DUP	0.204	2
BDD-SWSF-102415-G	10/24/15 3:11	Barium	310	ug/l		UF	EPA200.8	DUP	0.165	1
BDD-SWSF-102415-G	10/24/15 3:11	Barium	290	ug/l		UF	EPA200.8	SMP	0.16	1
BDD-SWSF-102415-G	10/24/15 3:11	Beryllium	0.81	ug/l		UF	EPA200.8	DUP	0.266	0.5
BDD-SWSF-102415-G	10/24/15 3:11	Beryllium	1.5	ug/l		UF	EPA200.8	SMP	0.27	0.5
BDD-SWSF-102415-G	10/24/15 3:11	Boron	100	ug/l		UF	EPA200.8	SMP	12	50
BDD-SWSF-102415-G	10/24/15 3:11	Boron	52.3	ug/l		UF	EPA200.8	DUP	12.4	50
BDD-SWSF-102415-G	10/24/15 3:11	Cadmium	0.3	ug/l	U	UF	EPA200.8	SMP	0.088	0.3
BDD-SWSF-102415-G	10/24/15 3:11	Cadmium	0.09	ug/l	J	UF	EPA200.8	DUP	0.088	0.3
BDD-SWSF-102415-G	10/24/15 3:11	Calcium	65000	ug/l		UF	EPA200.8	SMP	68	1000
BDD-SWSF-102415-G	10/24/15 3:11	Calcium	65200	ug/l		UF	EPA200.8	DUP	68	1000
BDD-SWSF-102415-G	10/24/15 3:11	Chromium	12	ug/l		UF	EPA200.8	SMP	0.88	10
BDD-SWSF-102415-G	10/24/15 3:11	Chromium	10.4	ug/l		UF	EPA200.8	DUP	0.878	10
BDD-SWSF-102415-G	10/24/15 3:11	Cobalt	6	ug/l		UF	EPA200.8	SMP	0.083	1
BDD-SWSF-102415-G	10/24/15 3:11	Cobalt	5.91	ug/l		UF	EPA200.8	DUP	0.0826	1
BDD-SWSF-102415-G	10/24/15 3:11	Copper	15	ug/l		UF	EPA200.8	SMP	1.2	10
BDD-SWSF-102415-G	10/24/15 3:11	Copper	13.7	ug/l		UF	EPA200.8	DUP	1.15	10
BDD-SWSF-102415-G	10/24/15 3:11	Iron	9600	ug/l		UF	EPA200.8	SMP	8.1	100
BDD-SWSF-102415-G	10/24/15 3:11	Iron	9680	ug/l		UF	EPA200.8	DUP	8.11	100
BDD-SWSF-102415-G	10/24/15 3:11	Lead	9.1	ug/l		UF	EPA200.8	SMP	0.17	0.5
BDD-SWSF-102415-G	10/24/15 3:11	Lead	8.94	ug/l		UF	EPA200.8	DUP	0.171	0.5
BDD-SWSF-102415-G	10/24/15 3:11	Magnesium	13500	ug/l		UF	EPA200.8	DUP	17.7	100
BDD-SWSF-102415-G	10/24/15 3:11	Magnesium	13000	ug/l		UF	EPA200.8	SMP	18	100
BDD-SWSF-102415-G	10/24/15 3:11	Manganese	405	ug/l		UF	EPA200.8	DUP	0.338	2
BDD-SWSF-102415-G	10/24/15 3:11	Manganese	400	ug/l		UF	EPA200.8	SMP	0.34	2
BDD-SWSF-102415-G	10/24/15 3:11	Mercury	0.2	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-102415-G	10/24/15 3:11	Nickel	15	ug/l		UF	EPA200.8	SMP	4	5
BDD-SWSF-102415-G	10/24/15 3:11	Nickel	13.4	ug/l		UF	EPA200.8	DUP	3.95	5
BDD-SWSF-102415-G	10/24/15 3:11	Potassium	6960	ug/l		UF	EPA200.8	DUP	294	1000
BDD-SWSF-102415-G	10/24/15 3:11	Potassium	7100	ug/l		UF	EPA200.8	SMP	290	1000
BDD-SWSF-102415-G	10/24/15 3:11	Selenium	0.79	ug/l	J	UF	EPA200.8	SMP	0.66	1
BDD-SWSF-102415-G	10/24/15 3:11	Selenium	0.663	ug/l	U	UF	EPA200.8	DUP	0.663	1
BDD-SWSF-102415-G	10/24/15 3:11	Silver	0.05	ug/l	J	UF	EPA200.8	SMP	0.041	0.1
BDD-SWSF-102415-G	10/24/15 3:11	Silver	0.0407	ug/l	U	UF	EPA200.8	DUP	0.0407	0.1
BDD-SWSF-102415-G	10/24/15 3:11	Sodium	22000	ug/l		UF	EPA200.8	DUP	199	1000
BDD-SWSF-102415-G	10/24/15 3:11	Sodium	21000	ug/l		UF	EPA200.8	SMP	200	1000
BDD-SWSF-102415-G	10/24/15 3:11	Thallium	0.24	ug/l		UF	EPA200.8	SMP	0.018	0.2
BDD-SWSF-102415-G	10/24/15 3:11	Thallium	0.22	ug/l		UF	EPA200.8	DUP	0.0175	0.2
BDD-SWSF-102415-G	10/24/15 3:11	Uranium	7.5	ug/l		UF	EPA200.8	SMP	0.02	0.1
BDD-SWSF-102415-G	10/24/15 3:11	Uranium	6.6	ug/l		UF	EPA200.8	DUP	0.0198	0.1
BDD-SWSF-102415-G	10/24/15 3:11	Vanadium	25	ug/l		UF	EPA200.8	SMP	0.71	1

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-102415-G	10/24/15 3:11	Vanadium	24.6	ug/l		UF	EPA200.8	DUP	0.709	1
BDD-SWSF-102415-G	10/24/15 3:11	Zinc	41.4	ug/l		UF	EPA200.8	DUP	9.77	20
BDD-SWSF-102415-G	10/24/15 3:11	Zinc	40	ug/l		UF	EPA200.8	SMP	9.8	20
BDD-SWSF-102415-I	10/24/15 4:11	Aluminum	18000	ug/l		UF	EPA200.8	SMP	13	50
BDD-SWSF-102415-I-F	10/24/15 4:11	Aluminum	92	ug/l		F	EPA200.8	SMP	13	50
BDD-SWSF-102415-I	10/24/15 4:11	Antimony	0.21	ug/l	J	UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-102415-I-F	10/24/15 4:11	Antimony	0.23	ug/l	J	F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-102415-I	10/24/15 4:11	Arsenic	5	ug/l		UF	EPA200.8	SMP	0.35	2
BDD-SWSF-102415-I-F	10/24/15 4:11	Arsenic	2.3	ug/l		F	EPA200.8	SMP	0.35	2
BDD-SWSF-102415-I	10/24/15 4:11	Barium	320	ug/l		UF	EPA200.8	SMP	0.58	1
BDD-SWSF-102415-I-F	10/24/15 4:11	Barium	95	ug/l		F	EPA200.8	SMP	0.58	1
BDD-SWSF-102415-I	10/24/15 4:11	Beryllium	0.74	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-102415-I-F	10/24/15 4:11	Beryllium	0.5	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-102415-I	10/24/15 4:11	Boron	47	ug/l	J	UF	EPA200.8	SMP	6.9	50
BDD-SWSF-102415-I-F	10/24/15 4:11	Boron	35	ug/l	J	F	EPA200.8	SMP	6.9	50
BDD-SWSF-102415-I	10/24/15 4:11	Cadmium	0.3	ug/l	U	UF	EPA200.8	SMP	0.18	0.3
BDD-SWSF-102415-I-F	10/24/15 4:11	Cadmium	0.3	ug/l	U	F	EPA200.8	SMP	0.18	0.3
BDD-SWSF-102415-I	10/24/15 4:11	Calcium	65000	ug/l		UF	EPA200.8	SMP	100	1000
BDD-SWSF-102415-I-F	10/24/15 4:11	Calcium	42000	ug/l		F	EPA200.8	SMP	100	1000
BDD-SWSF-102415-I	10/24/15 4:11	Chromium	12	ug/l		UF	EPA200.8	SMP	0.6	10
BDD-SWSF-102415-I-F	10/24/15 4:11	Chromium	0.6	ug/l	J	F	EPA200.8	SMP	0.6	10
BDD-SWSF-102415-I	10/24/15 4:11	Cobalt	7.8	ug/l		UF	EPA200.8	SMP	0.24	1
BDD-SWSF-102415-I-F	10/24/15 4:11	Cobalt	0.27	ug/l	J	F	EPA200.8	SMP	0.24	1
BDD-SWSF-102415-I	10/24/15 4:11	Copper	7.2	ug/l	J	UF	EPA200.8	SMP	3	10
BDD-SWSF-102415-I-F	10/24/15 4:11	Copper	10	ug/l	U	F	EPA200.8	SMP	3	10
BDD-SWSF-102415-I	10/24/15 4:11	Iron	13000	ug/l		UF	EPA200.8	SMP	25	100
BDD-SWSF-102415-I-F	10/24/15 4:11	Iron	37	ug/l	J	F	EPA200.8	SMP	25	100
BDD-SWSF-102415-I	10/24/15 4:11	Lead	10	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-102415-I-F	10/24/15 4:11	Lead	0.5	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-102415-I	10/24/15 4:11	Magnesium	15000	ug/l		UF	EPA200.8	SMP	45	100
BDD-SWSF-102415-I-F	10/24/15 4:11	Magnesium	6800	ug/l		F	EPA200.8	SMP	45	100
BDD-SWSF-102415-I	10/24/15 4:11	Manganese	460	ug/l		UF	EPA200.8	SMP	0.7	2
BDD-SWSF-102415-I-F	10/24/15 4:11	Manganese	2	ug/l	J	F	EPA200.8	SMP	0.7	2
BDD-SWSF-102415-I	10/24/15 4:11	Mercury	0.2	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-102415-I-F	10/24/15 4:11	Mercury	0.2	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-102415-I	10/24/15 4:11	Nickel	15	ug/l		UF	EPA200.8	SMP	2.4	5
BDD-SWSF-102415-I-F	10/24/15 4:11	Nickel	5	ug/l	U	F	EPA200.8	SMP	2.4	5
BDD-SWSF-102415-I	10/24/15 4:11	Potassium	7300	ug/l		UF	EPA200.8	SMP	220	1000
BDD-SWSF-102415-I-F	10/24/15 4:11	Potassium	2800	ug/l		F	EPA200.8	SMP	220	1000
BDD-SWSF-102415-I	10/24/15 4:11	Selenium	1	ug/l	U	UF	EPA200.8	SMP	0.68	1
BDD-SWSF-102415-I-F	10/24/15 4:11	Selenium	1	ug/l	U	F	EPA200.8	SMP	0.68	1
BDD-SWSF-102415-I	10/24/15 4:11	Silver	0.1	ug/l	U	UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-102415-I-F	10/24/15 4:11	Silver	0.1	ug/l	U	F	EPA200.8	SMP	0.038	0.1
BDD-SWSF-102415-I	10/24/15 4:11	Sodium	20000	ug/l		UF	EPA200.8	SMP	240	1000
BDD-SWSF-102415-I-F	10/24/15 4:11	Sodium	19000	ug/l		F	EPA200.8	SMP	240	1000
BDD-SWSF-102415-I	10/24/15 4:11	Thallium	0.21	ug/l		UF	EPA200.8	SMP	0.04	0.2
BDD-SWSF-102415-I-F	10/24/15 4:11	Thallium	0.2	ug/l	U	F	EPA200.8	SMP	0.04	0.2
BDD-SWSF-102415-I	10/24/15 4:11	Uranium	6	ug/l		UF	EPA200.8	SMP	0.05	0.1
BDD-SWSF-102415-I-F	10/24/15 4:11	Uranium	3.5	ug/l		F	EPA200.8	SMP	0.05	0.1
BDD-SWSF-102415-I	10/24/15 4:11	Vanadium	27	ug/l		UF	EPA200.8	SMP	0.38	1
BDD-SWSF-102415-I-F	10/24/15 4:11	Vanadium	3.7	ug/l		F	EPA200.8	SMP	0.38	1
BDD-SWSF-102415-I	10/24/15 4:11	Zinc	32	ug/l		UF	EPA200.8	SMP	6.2	20
BDD-SWSF-102415-I-F	10/24/15 4:11	Zinc	20	ug/l	U	F	EPA200.8	SMP	6.2	20
BDD-SWBF-060816-A	6/8/16 8:54	Aluminum	3200	ug/l		UF	EPA200.8	SMP	14	50
BDD-SWBF-060816-A	6/8/16 8:54	Aluminum	2840	ug/l		UF	EPA200.8	DUP	14.1	50
BDD-SWBF-060816-A	6/8/16 8:54	Antimony	0.17	ug/l	J	UF	EPA200.8	SMP	0.11	0.3

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWBF-060816-A	6/8/16 8:54	Antimony	0.13	ug/l	J	UF	EPA200.8	DUP	0.108	0.3
BDD-SWBF-060816-A	6/8/16 8:54	Arsenic	1.9	ug/l	J	UF	EPA200.8	SMP	0.2	2
BDD-SWBF-060816-A	6/8/16 8:54	Arsenic	2.01	ug/l		UF	EPA200.8	DUP	0.204	2
BDD-SWBF-060816-A	6/8/16 8:54	Barium	100	ug/l		UF	EPA200.8	SMP	0.16	1
BDD-SWBF-060816-A	6/8/16 8:54	Barium	99.6	ug/l		UF	EPA200.8	DUP	0.165	1
BDD-SWBF-060816-A	6/8/16 8:54	Beryllium	0.5	ug/l	U	UF	EPA200.8	SMP	0.27	0.5
BDD-SWBF-060816-A	6/8/16 8:54	Beryllium	0.266	ug/l	U	UF	EPA200.8	DUP	0.266	0.5
BDD-SWBF-060816-A	6/8/16 8:54	Boron	24	ug/l	J	UF	EPA200.8	SMP	12	50
BDD-SWBF-060816-A	6/8/16 8:54	Boron	21.2	ug/l	J	UF	EPA200.8	DUP	12.4	50
BDD-SWBF-060816-A	6/8/16 8:54	Cadmium	0.09	ug/l	J	UF	EPA200.8	SMP	0.088	0.3
BDD-SWBF-060816-A	6/8/16 8:54	Cadmium	0.088	ug/l	U	UF	EPA200.8	DUP	0.088	0.3
BDD-SWBF-060816-A	6/8/16 8:54	Calcium	31000	ug/l		UF	EPA200.8	SMP	68	1000
BDD-SWBF-060816-A	6/8/16 8:54	Calcium	30100	ug/l		UF	EPA200.8	DUP	68	1000
BDD-SWBF-060816-A	6/8/16 8:54	Chromium	1.3	ug/l	J	UF	EPA200.8	SMP	0.88	10
BDD-SWBF-060816-A	6/8/16 8:54	Chromium	1.32	ug/l	J	UF	EPA200.8	DUP	0.878	10
BDD-SWBF-060816-A	6/8/16 8:54	Cobalt	1.6	ug/l		UF	EPA200.8	SMP	0.083	1
BDD-SWBF-060816-A	6/8/16 8:54	Cobalt	1.56	ug/l		UF	EPA200.8	DUP	0.0826	1
BDD-SWBF-060816-A	6/8/16 8:54	Copper	5.2	ug/l	J	UF	EPA200.8	SMP	1.2	10
BDD-SWBF-060816-A	6/8/16 8:54	Copper	4.51	ug/l	J	UF	EPA200.8	DUP	1.15	10
BDD-SWBF-060816-A	6/8/16 8:54	Iron	3100	ug/l		UF	EPA200.8	SMP	8.1	100
BDD-SWBF-060816-A	6/8/16 8:54	Iron	2850	ug/l		UF	EPA200.8	DUP	8.11	100
BDD-SWBF-060816-A	6/8/16 8:54	Lead	4.2	ug/l		UF	EPA200.8	SMP	0.17	0.5
BDD-SWBF-060816-A	6/8/16 8:54	Lead	4.27	ug/l		UF	EPA200.8	DUP	0.171	0.5
BDD-SWBF-060816-A	6/8/16 8:54	Magnesium	5200	ug/l		UF	EPA200.8	SMP	18	100
BDD-SWBF-060816-A	6/8/16 8:54	Magnesium	5250	ug/l		UF	EPA200.8	DUP	17.7	100
BDD-SWBF-060816-A	6/8/16 8:54	Manganese	170	ug/l		UF	EPA200.8	SMP	0.34	2
BDD-SWBF-060816-A	6/8/16 8:54	Manganese	168	ug/l		UF	EPA200.8	DUP	0.338	2
BDD-SWBF-060816-A	6/8/16 8:54	Mercury	0.2	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWBF-060816-A	6/8/16 8:54	Nickel	5	ug/l	U	UF	EPA200.8	SMP	4	5
BDD-SWBF-060816-A	6/8/16 8:54	Nickel	3.95	ug/l	U	UF	EPA200.8	DUP	3.95	5
BDD-SWBF-060816-A	6/8/16 8:54	Potassium	2600	ug/l		UF	EPA200.8	SMP	290	1000
BDD-SWBF-060816-A	6/8/16 8:54	Potassium	2540	ug/l		UF	EPA200.8	DUP	294	1000
BDD-SWBF-060816-A	6/8/16 8:54	Selenium	1	ug/l	U	UF	EPA200.8	SMP	0.66	1
BDD-SWBF-060816-A	6/8/16 8:54	Selenium	0.663	ug/l	U	UF	EPA200.8	DUP	0.663	1
BDD-SWBF-060816-A	6/8/16 8:54	Silver	0.13	ug/l		UF	EPA200.8	SMP	0.041	0.1
BDD-SWBF-060816-A	6/8/16 8:54	Silver	0.12	ug/l		UF	EPA200.8	DUP	0.0407	0.1
BDD-SWBF-060816-A	6/8/16 8:54	Sodium	9900	ug/l		UF	EPA200.8	SMP	200	1000
BDD-SWBF-060816-A	6/8/16 8:54	Sodium	9720	ug/l		UF	EPA200.8	DUP	199	1000
BDD-SWBF-060816-A	6/8/16 8:54	Thallium	0.04	ug/l	J	UF	EPA200.8	SMP	0.018	0.2
BDD-SWBF-060816-A	6/8/16 8:54	Thallium	0.02	ug/l	J	UF	EPA200.8	DUP	0.0175	0.2
BDD-SWBF-060816-A	6/8/16 8:54	Uranium	1.3	ug/l		UF	EPA200.8	SMP	0.02	0.1
BDD-SWBF-060816-A	6/8/16 8:54	Uranium	1.27	ug/l		UF	EPA200.8	DUP	0.0198	0.1
BDD-SWBF-060816-A	6/8/16 8:54	Vanadium	7.5	ug/l		UF	EPA200.8	SMP	0.71	1
BDD-SWBF-060816-A	6/8/16 8:54	Vanadium	7.02	ug/l		UF	EPA200.8	DUP	0.709	1
BDD-SWBF-060816-A	6/8/16 8:54	Zinc	21	ug/l		UF	EPA200.8	SMP	9.8	20
BDD-SWBF-060816-A	6/8/16 8:54	Zinc	20.2	ug/l		UF	EPA200.8	DUP	9.77	20
BDD-SWBF-072816-A	7/28/16 8:15	Aluminum	1100	ug/l		UF	EPA200.8	SMP	14	50
BDD-SWBF-072816-A-F	7/28/16 8:15	Aluminum	45	ug/l	J	F	EPA200.8	SMP	14	50
BDD-SWBF-072816-A	7/28/16 8:15	Antimony	0.14	ug/l	J	UF	EPA200.8	SMP	0.11	0.3
BDD-SWBF-072816-A-F	7/28/16 8:15	Antimony	0.24	ug/l	J	F	EPA200.8	SMP	0.11	0.3
BDD-SWBF-072816-A	7/28/16 8:15	Arsenic	2.2	ug/l		UF	EPA200.8	SMP	0.2	2
BDD-SWBF-072816-A-F	7/28/16 8:15	Arsenic	1.7	ug/l	J	F	EPA200.8	SMP	0.2	2
BDD-SWBF-072816-A	7/28/16 8:15	Barium	82	ug/l		UF	EPA200.8	SMP	0.16	1
BDD-SWBF-072816-A-F	7/28/16 8:15	Barium	61	ug/l		F	EPA200.8	SMP	0.16	1
BDD-SWBF-072816-A	7/28/16 8:15	Beryllium	0.5	ug/l	U	UF	EPA200.8	SMP	0.27	0.5
BDD-SWBF-072816-A-F	7/28/16 8:15	Beryllium	0.5	ug/l	U	F	EPA200.8	SMP	0.27	0.5

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWBF-072816-A	7/28/16 8:15	Boron	73	ug/l		UF	EPA200.8	SMP	12	50
BDD-SWBF-072816-A-F	7/28/16 8:15	Boron	44	ug/l	J	F	EPA200.8	SMP	12	50
BDD-SWBF-072816-A	7/28/16 8:15	Cadmium	0.3	ug/l	U	UF	EPA200.8	SMP	0.088	0.3
BDD-SWBF-072816-A-F	7/28/16 8:15	Cadmium	0.3	ug/l	U	F	EPA200.8	SMP	0.088	0.3
BDD-SWBF-072816-A	7/28/16 8:15	Calcium	35000	ug/l		UF	EPA200.8	SMP	68	1000
BDD-SWBF-072816-A-F	7/28/16 8:15	Calcium	34000	ug/l		F	EPA200.8	SMP	68	1000
BDD-SWBF-072816-A	7/28/16 8:15	Chromium	10	ug/l	U	UF	EPA200.8	SMP	0.88	10
BDD-SWBF-072816-A-F	7/28/16 8:15	Chromium	10	ug/l	U	F	EPA200.8	SMP	0.88	10
BDD-SWBF-072816-A	7/28/16 8:15	Cobalt	0.51	ug/l	J	UF	EPA200.8	SMP	0.083	1
BDD-SWBF-072816-A-F	7/28/16 8:15	Cobalt	2.2	ug/l		F	EPA200.8	SMP	0.083	1
BDD-SWBF-072816-A	7/28/16 8:15	Copper	10	ug/l	U	UF	EPA200.8	SMP	1.2	10
BDD-SWBF-072816-A-F	7/28/16 8:15	Copper	10	ug/l	U	F	EPA200.8	SMP	1.2	10
BDD-SWBF-072816-A	7/28/16 8:15	Iron	980	ug/l		UF	EPA200.8	SMP	8.1	100
BDD-SWBF-072816-A-F	7/28/16 8:15	Iron	44	ug/l	J	F	EPA200.8	SMP	8.1	100
BDD-SWBF-072816-A	7/28/16 8:15	Lead	1.3	ug/l		UF	EPA200.8	SMP	0.17	0.5
BDD-SWBF-072816-A-F	7/28/16 8:15	Lead	0.39	ug/l	J	F	EPA200.8	SMP	0.17	0.5
BDD-SWBF-072816-A	7/28/16 8:15	Magnesium	6000	ug/l		UF	EPA200.8	SMP	18	100
BDD-SWBF-072816-A-F	7/28/16 8:15	Magnesium	5700	ug/l		F	EPA200.8	SMP	18	100
BDD-SWBF-072816-A	7/28/16 8:15	Manganese	56	ug/l		UF	EPA200.8	SMP	0.34	2
BDD-SWBF-072816-A-F	7/28/16 8:15	Manganese	4.4	ug/l		F	EPA200.8	SMP	0.34	2
BDD-SWBF-072816-A	7/28/16 8:15	Mercury	0.2	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWBF-072816-A	7/28/16 8:15	Mercury	0.06	ug/l	U	UF	EPA245.1	DUP	0.06	0.2
BDD-SWBF-072816-A-F	7/28/16 8:15	Mercury	0.2	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWBF-072816-A	7/28/16 8:15	Nickel	5	ug/l	U	UF	EPA200.8	SMP	4	5
BDD-SWBF-072816-A-F	7/28/16 8:15	Nickel	5	ug/l	U	F	EPA200.8	SMP	4	5
BDD-SWBF-072816-A	7/28/16 8:15	Potassium	2100	ug/l		UF	EPA200.8	SMP	290	1000
BDD-SWBF-072816-A-F	7/28/16 8:15	Potassium	1700	ug/l		F	EPA200.8	SMP	290	1000
BDD-SWBF-072816-A	7/28/16 8:15	Selenium	1	ug/l	U	UF	EPA200.8	SMP	0.66	1
BDD-SWBF-072816-A-F	7/28/16 8:15	Selenium	1	ug/l	U	F	EPA200.8	SMP	0.66	1
BDD-SWBF-072816-A	7/28/16 8:15	Silver	0.46	ug/l		UF	EPA200.8	SMP	0.041	0.1
BDD-SWBF-072816-A-F	7/28/16 8:15	Silver	0.44	ug/l		F	EPA200.8	SMP	0.041	0.1
BDD-SWBF-072816-A	7/28/16 8:15	Sodium	14000	ug/l		UF	EPA200.8	SMP	200	1000
BDD-SWBF-072816-A-F	7/28/16 8:15	Sodium	14000	ug/l		F	EPA200.8	SMP	200	1000
BDD-SWBF-072816-A	7/28/16 8:15	Thallium	0.2	ug/l	U	UF	EPA200.8	SMP	0.018	0.2
BDD-SWBF-072816-A-F	7/28/16 8:15	Thallium	0.2	ug/l	U	F	EPA200.8	SMP	0.018	0.2
BDD-SWBF-072816-A	7/28/16 8:15	Uranium	1.2	ug/l		UF	EPA200.8	SMP	0.02	0.1
BDD-SWBF-072816-A-F	7/28/16 8:15	Uranium	1.1	ug/l		F	EPA200.8	SMP	0.02	0.1
BDD-SWBF-072816-A	7/28/16 8:15	Vanadium	4.2	ug/l		UF	EPA200.8	SMP	0.71	1
BDD-SWBF-072816-A-F	7/28/16 8:15	Vanadium	2.5	ug/l		F	EPA200.8	SMP	0.71	1
BDD-SWBF-072816-A	7/28/16 8:15	Zinc	18	ug/l	J	UF	EPA200.8	SMP	9.8	20
BDD-SWBF-072816-A-F	7/28/16 8:15	Zinc	20	ug/l	U	F	EPA200.8	SMP	9.8	20
BDD-SWBF-080316-A	8/3/16 8:38	Aluminum	20000	ug/l		UF	EPA200.8	SMP	14	50
BDD-SWBF-080316-A-F	8/3/16 8:38	Aluminum	48	ug/l	J	F	EPA200.8	SMP	14	50
BDD-SWBF-080316-A-F	8/3/16 8:38	Aluminum	51.5	ug/l		F	EPA200.8	DUP	14.1	50
BDD-SWBF-080316-A	8/3/16 8:38	Antimony	0.29	ug/l	J	UF	EPA200.8	SMP	0.11	0.3
BDD-SWBF-080316-A-F	8/3/16 8:38	Antimony	0.18	ug/l	J	F	EPA200.8	SMP	0.11	0.3
BDD-SWBF-080316-A-F	8/3/16 8:38	Antimony	0.24	ug/l	J	F	EPA200.8	DUP	0.108	0.3
BDD-SWBF-080316-A	8/3/16 8:38	Arsenic	5.4	ug/l		UF	EPA200.8	SMP	0.2	2
BDD-SWBF-080316-A-F	8/3/16 8:38	Arsenic	2.1	ug/l		F	EPA200.8	SMP	0.2	2
BDD-SWBF-080316-A-F	8/3/16 8:38	Arsenic	1.86	ug/l	J	F	EPA200.8	DUP	0.204	2
BDD-SWBF-080316-A	8/3/16 8:38	Barium	220	ug/l		UF	EPA200.8	SMP	0.16	1
BDD-SWBF-080316-A-F	8/3/16 8:38	Barium	70	ug/l		F	EPA200.8	SMP	0.16	1
BDD-SWBF-080316-A-F	8/3/16 8:38	Barium	78.1	ug/l		F	EPA200.8	DUP	0.165	1
BDD-SWBF-080316-A	8/3/16 8:38	Beryllium	1.3	ug/l		UF	EPA200.8	SMP	0.27	0.5
BDD-SWBF-080316-A-F	8/3/16 8:38	Beryllium	0.5	ug/l	U	F	EPA200.8	SMP	0.27	0.5
BDD-SWBF-080316-A-F	8/3/16 8:38	Beryllium	0.266	ug/l	U	F	EPA200.8	DUP	0.266	0.5

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWBF-080316-A	8/3/16 8:38	Boron	110	ug/l		UF	EPA200.8	SMP	12	50
BDD-SWBF-080316-A-F	8/3/16 8:38	Boron	100	ug/l		F	EPA200.8	SMP	12	50
BDD-SWBF-080316-A-F	8/3/16 8:38	Boron	67.3	ug/l		F	EPA200.8	DUP	12.4	50
BDD-SWBF-080316-A	8/3/16 8:38	Cadmium	0.3	ug/l	U	UF	EPA200.8	SMP	0.088	0.3
BDD-SWBF-080316-A-F	8/3/16 8:38	Cadmium	0.3	ug/l	U	F	EPA200.8	SMP	0.088	0.3
BDD-SWBF-080316-A-F	8/3/16 8:38	Cadmium	0.088	ug/l	U	F	EPA200.8	DUP	0.088	0.3
BDD-SWBF-080316-A	8/3/16 8:38	Calcium	54000	ug/l		UF	EPA200.8	SMP	68	1000
BDD-SWBF-080316-A-F	8/3/16 8:38	Calcium	33000	ug/l		F	EPA200.8	SMP	68	1000
BDD-SWBF-080316-A-F	8/3/16 8:38	Calcium	37300	ug/l		F	EPA200.8	DUP	68	1000
BDD-SWBF-080316-A	8/3/16 8:38	Chromium	15	ug/l		UF	EPA200.8	SMP	0.88	10
BDD-SWBF-080316-A-F	8/3/16 8:38	Chromium	10	ug/l	U	F	EPA200.8	SMP	0.88	10
BDD-SWBF-080316-A-F	8/3/16 8:38	Chromium	0.878	ug/l	U	F	EPA200.8	DUP	0.878	10
BDD-SWBF-080316-A	8/3/16 8:38	Cobalt	6.4	ug/l		UF	EPA200.8	SMP	0.083	1
BDD-SWBF-080316-A-F	8/3/16 8:38	Cobalt	0.16	ug/l	J	F	EPA200.8	SMP	0.083	1
BDD-SWBF-080316-A-F	8/3/16 8:38	Cobalt	0.16	ug/l	J	F	EPA200.8	DUP	0.0826	1
BDD-SWBF-080316-A	8/3/16 8:38	Copper	17	ug/l		UF	EPA200.8	SMP	1.2	10
BDD-SWBF-080316-A-F	8/3/16 8:38	Copper	2.5	ug/l	J	F	EPA200.8	SMP	1.2	10
BDD-SWBF-080316-A-F	8/3/16 8:38	Copper	2.46	ug/l	J	F	EPA200.8	DUP	1.15	10
BDD-SWBF-080316-A	8/3/16 8:38	Iron	15000	ug/l		UF	EPA200.8	SMP	8.1	100
BDD-SWBF-080316-A-F	8/3/16 8:38	Iron	270	ug/l		F	EPA200.8	SMP	8.1	100
BDD-SWBF-080316-A-F	8/3/16 8:38	Iron	297	ug/l		F	EPA200.8	DUP	8.11	100
BDD-SWBF-080316-A	8/3/16 8:38	Lead	9	ug/l		UF	EPA200.8	SMP	0.17	0.5
BDD-SWBF-080316-A-F	8/3/16 8:38	Lead	0.27	ug/l	J	F	EPA200.8	SMP	0.17	0.5
BDD-SWBF-080316-A-F	8/3/16 8:38	Lead	0.46	ug/l	J	F	EPA200.8	DUP	0.171	0.5
BDD-SWBF-080316-A	8/3/16 8:38	Magnesium	13000	ug/l		UF	EPA200.8	SMP	18	100
BDD-SWBF-080316-A-F	8/3/16 8:38	Magnesium	4900	ug/l		F	EPA200.8	SMP	18	100
BDD-SWBF-080316-A-F	8/3/16 8:38	Magnesium	5850	ug/l		F	EPA200.8	DUP	17.7	100
BDD-SWBF-080316-A	8/3/16 8:38	Manganese	370	ug/l		UF	EPA200.8	SMP	0.34	2
BDD-SWBF-080316-A-F	8/3/16 8:38	Manganese	1	ug/l	J	F	EPA200.8	SMP	0.34	2
BDD-SWBF-080316-A-F	8/3/16 8:38	Manganese	1.17	ug/l	J	F	EPA200.8	DUP	0.338	2
BDD-SWBF-080316-A	8/3/16 8:38	Mercury	0.2	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWBF-080316-A	8/3/16 8:38	Mercury	0.06	ug/l	U	UF	EPA245.1	DUP	0.06	0.2
BDD-SWBF-080316-A-F	8/3/16 8:38	Mercury	0.2	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWBF-080316-A	8/3/16 8:38	Nickel	13	ug/l		UF	EPA200.8	SMP	4	5
BDD-SWBF-080316-A-F	8/3/16 8:38	Nickel	5	ug/l	U	F	EPA200.8	SMP	4	5
BDD-SWBF-080316-A-F	8/3/16 8:38	Nickel	3.95	ug/l	U	F	EPA200.8	DUP	3.95	5
BDD-SWBF-080316-A	8/3/16 8:38	Potassium	7500	ug/l		UF	EPA200.8	SMP	290	1000
BDD-SWBF-080316-A-F	8/3/16 8:38	Potassium	2400	ug/l		F	EPA200.8	SMP	290	1000
BDD-SWBF-080316-A-F	8/3/16 8:38	Potassium	2910	ug/l		F	EPA200.8	DUP	294	1000
BDD-SWBF-080316-A	8/3/16 8:38	Selenium	1.1	ug/l		UF	EPA200.8	SMP	0.66	1
BDD-SWBF-080316-A-F	8/3/16 8:38	Selenium	1	ug/l	U	F	EPA200.8	SMP	0.66	1
BDD-SWBF-080316-A-F	8/3/16 8:38	Selenium	0.663	ug/l	U	F	EPA200.8	DUP	0.663	1
BDD-SWBF-080316-A	8/3/16 8:38	Silver	0.05	ug/l	J	UF	EPA200.8	SMP	0.041	0.1
BDD-SWBF-080316-A-F	8/3/16 8:38	Silver	0.1	ug/l		F	EPA200.8	SMP	0.041	0.1
BDD-SWBF-080316-A-F	8/3/16 8:38	Silver	0.12	ug/l		F	EPA200.8	DUP	0.0407	0.1
BDD-SWBF-080316-A	8/3/16 8:38	Sodium	14000	ug/l		UF	EPA200.8	SMP	200	1000
BDD-SWBF-080316-A-F	8/3/16 8:38	Sodium	14000	ug/l		F	EPA200.8	SMP	200	1000
BDD-SWBF-080316-A-F	8/3/16 8:38	Sodium	15800	ug/l		F	EPA200.8	DUP	199	1000
BDD-SWBF-080316-A	8/3/16 8:38	Thallium	0.18	ug/l	J	UF	EPA200.8	SMP	0.018	0.2
BDD-SWBF-080316-A-F	8/3/16 8:38	Thallium	0.2	ug/l	U	F	EPA200.8	SMP	0.018	0.2
BDD-SWBF-080316-A-F	8/3/16 8:38	Thallium	0.0175	ug/l	U	F	EPA200.8	DUP	0.0175	0.2
BDD-SWBF-080316-A	8/3/16 8:38	Uranium	3.8	ug/l		UF	EPA200.8	SMP	0.02	0.1
BDD-SWBF-080316-A-F	8/3/16 8:38	Uranium	1.6	ug/l		F	EPA200.8	SMP	0.02	0.1
BDD-SWBF-080316-A-F	8/3/16 8:38	Uranium	1.87	ug/l		F	EPA200.8	DUP	0.0198	0.1
BDD-SWBF-080316-A	8/3/16 8:38	Vanadium	28	ug/l		UF	EPA200.8	SMP	0.71	1
BDD-SWBF-080316-A-F	8/3/16 8:38	Vanadium	3.7	ug/l		F	EPA200.8	SMP	0.71	1

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWBF-080316-A-F	8/3/16 8:38	Vanadium	4.29	ug/l		F	EPA200.8	DUP	0.709	1
BDD-SWBF-080316-A	8/3/16 8:38	Zinc	130	ug/l		UF	EPA200.8	SMP	9.8	20
BDD-SWBF-080316-A-F	8/3/16 8:38	Zinc	20	ug/l	U	F	EPA200.8	SMP	9.8	20
BDD-SWBF-080316-A-F	8/3/16 8:38	Zinc	9.77	ug/l	U	F	EPA200.8	DUP	9.77	20
BDD-SWSF-082716-A	8/27/16 15:06	Aluminum	3700	ug/l		UF	EPA200.8	SMP	14	50
BDD-SWSF-082716-A-F	8/27/16 15:06	Aluminum	22	ug/l	J	F	EPA200.8	SMP	14	50
BDD-SWSF-082716-A	8/27/16 15:06	Antimony	0.2	ug/l	J	UF	EPA200.8	SMP	0.11	0.3
BDD-SWSF-082716-A-F	8/27/16 15:06	Antimony	0.22	ug/l	J	F	EPA200.8	SMP	0.11	0.3
BDD-SWSF-082716-A	8/27/16 15:06	Arsenic	3.2	ug/l		UF	EPA200.8	SMP	0.2	2
BDD-SWSF-082716-A-F	8/27/16 15:06	Arsenic	2	ug/l		F	EPA200.8	SMP	0.2	2
BDD-SWSF-082716-A	8/27/16 15:06	Barium	170	ug/l		UF	EPA200.8	SMP	0.16	1
BDD-SWSF-082716-A-F	8/27/16 15:06	Barium	91	ug/l		F	EPA200.8	SMP	0.16	1
BDD-SWSF-082716-A	8/27/16 15:06	Beryllium	0.59	ug/l		UF	EPA200.8	SMP	0.27	0.5
BDD-SWSF-082716-A-F	8/27/16 15:06	Beryllium	0.5	ug/l	U	F	EPA200.8	SMP	0.27	0.5
BDD-SWSF-082716-A	8/27/16 15:06	Boron	68	ug/l		UF	EPA200.8	SMP	12	50
BDD-SWSF-082716-A-F	8/27/16 15:06	Boron	38	ug/l	J	F	EPA200.8	SMP	12	50
BDD-SWSF-082716-A	8/27/16 15:06	Cadmium	0.15	ug/l	J	UF	EPA200.8	SMP	0.088	0.3
BDD-SWSF-082716-A-F	8/27/16 15:06	Cadmium	0.3	ug/l	U	F	EPA200.8	SMP	0.088	0.3
BDD-SWSF-082716-A	8/27/16 15:06	Calcium	47000	ug/l		UF	EPA200.8	SMP	68	1000
BDD-SWSF-082716-A-F	8/27/16 15:06	Calcium	37000	ug/l		F	EPA200.8	SMP	68	1000
BDD-SWSF-082716-A	8/27/16 15:06	Chromium	2.3	ug/l	J	UF	EPA200.8	SMP	0.88	10
BDD-SWSF-082716-A-F	8/27/16 15:06	Chromium	10	ug/l	U	F	EPA200.8	SMP	0.88	10
BDD-SWSF-082716-A	8/27/16 15:06	Cobalt	2	ug/l		UF	EPA200.8	SMP	0.083	1
BDD-SWSF-082716-A-F	8/27/16 15:06	Cobalt	0.13	ug/l	J	F	EPA200.8	SMP	0.083	1
BDD-SWSF-082716-A	8/27/16 15:06	Copper	6.9	ug/l	J	UF	EPA200.8	SMP	1.2	10
BDD-SWSF-082716-A-F	8/27/16 15:06	Copper	1.4	ug/l	J	F	EPA200.8	SMP	1.2	10
BDD-SWSF-082716-A	8/27/16 15:06	Iron	2700	ug/l		UF	EPA200.8	SMP	8.1	100
BDD-SWSF-082716-A-F	8/27/16 15:06	Iron	22	ug/l	J	F	EPA200.8	SMP	8.1	100
BDD-SWSF-082716-A	8/27/16 15:06	Lead	3.6	ug/l		UF	EPA200.8	SMP	0.17	0.5
BDD-SWSF-082716-A-F	8/27/16 15:06	Lead	0.5	ug/l	U	F	EPA200.8	SMP	0.17	0.5
BDD-SWSF-082716-A	8/27/16 15:06	Magnesium	7400	ug/l		UF	EPA200.8	SMP	18	100
BDD-SWSF-082716-A-F	8/27/16 15:06	Magnesium	5700	ug/l		F	EPA200.8	SMP	18	100
BDD-SWSF-082716-A	8/27/16 15:06	Manganese	180	ug/l		UF	EPA200.8	SMP	0.34	2
BDD-SWSF-082716-A-F	8/27/16 15:06	Manganese	0.97	ug/l	J	F	EPA200.8	SMP	0.34	2
BDD-SWSF-082716-A	8/27/16 15:06	Mercury	0.2	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-082716-A	8/27/16 15:06	Mercury	0.2	ug/l	U	UF	EPA245.1	DUP	0.06	0.2
BDD-SWSF-082716-A-F	8/27/16 15:06	Mercury	0.2	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-082716-A-F	8/27/16 15:06	Mercury	0.2	ug/l	U	F	EPA245.1	DUP	0.06	0.2
BDD-SWSF-082716-A	8/27/16 15:06	Nickel	6.1	ug/l		UF	EPA200.8	SMP	4	5
BDD-SWSF-082716-A-F	8/27/16 15:06	Nickel	5	ug/l	U	F	EPA200.8	SMP	4	5
BDD-SWSF-082716-A	8/27/16 15:06	Potassium	3400	ug/l		UF	EPA200.8	SMP	290	1000
BDD-SWSF-082716-A-F	8/27/16 15:06	Potassium	2300	ug/l		F	EPA200.8	SMP	290	1000
BDD-SWSF-082716-A	8/27/16 15:06	Selenium	1	ug/l	U	UF	EPA200.8	SMP	0.66	1
BDD-SWSF-082716-A-F	8/27/16 15:06	Selenium	1	ug/l	U	F	EPA200.8	SMP	0.66	1
BDD-SWSF-082716-A	8/27/16 15:06	Silver	1.6	ug/l		UF	EPA200.8	SMP	0.041	0.1
BDD-SWSF-082716-A-F	8/27/16 15:06	Silver	0.1	ug/l	U	F	EPA200.8	SMP	0.041	0.1
BDD-SWSF-082716-A	8/27/16 15:06	Sodium	15000	ug/l		UF	EPA200.8	SMP	200	1000
BDD-SWSF-082716-A-F	8/27/16 15:06	Sodium	15000	ug/l		F	EPA200.8	SMP	200	1000
BDD-SWSF-082716-A	8/27/16 15:06	Thallium	0.04	ug/l	J	UF	EPA200.8	SMP	0.018	0.2
BDD-SWSF-082716-A-F	8/27/16 15:06	Thallium	0.2	ug/l	U	F	EPA200.8	SMP	0.018	0.2
BDD-SWSF-082716-A	8/27/16 15:06	Uranium	2	ug/l		UF	EPA200.8	SMP	0.02	0.1
BDD-SWSF-082716-A-F	8/27/16 15:06	Uranium	1.6	ug/l		F	EPA200.8	SMP	0.02	0.1
BDD-SWSF-082716-A	8/27/16 15:06	Vanadium	9.5	ug/l		UF	EPA200.8	SMP	0.71	1
BDD-SWSF-082716-A-F	8/27/16 15:06	Vanadium	3.4	ug/l		F	EPA200.8	SMP	0.71	1
BDD-SWSF-082716-A	8/27/16 15:06	Zinc	19	ug/l	J	UF	EPA200.8	SMP	9.8	20
BDD-SWSF-082716-A-F	8/27/16 15:06	Zinc	20	ug/l	U	F	EPA200.8	SMP	9.8	20

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-082716-B	8/27/16 15:36	Aluminum	2800	ug/l		UF	EPA200.8	SMP	14	50
BDD-SWSF-082716-B-F	8/27/16 15:36	Aluminum	20	ug/l	J	F	EPA200.8	SMP	14	50
BDD-SWSF-082716-B-F	8/27/16 15:36	Aluminum	15.8	ug/l	J	F	EPA200.8	DUP	14.1	50
BDD-SWSF-082716-B	8/27/16 15:36	Antimony	0.3	ug/l	U	UF	EPA200.8	SMP	0.11	0.3
BDD-SWSF-082716-B-F	8/27/16 15:36	Antimony	0.19	ug/l	J	F	EPA200.8	SMP	0.11	0.3
BDD-SWSF-082716-B-F	8/27/16 15:36	Antimony	0.22	ug/l	J	F	EPA200.8	DUP	0.108	0.3
BDD-SWSF-082716-B	8/27/16 15:36	Arsenic	2.7	ug/l		UF	EPA200.8	SMP	0.2	2
BDD-SWSF-082716-B-F	8/27/16 15:36	Arsenic	2	ug/l	J	F	EPA200.8	SMP	0.2	2
BDD-SWSF-082716-B-F	8/27/16 15:36	Arsenic	1.96	ug/l	J	F	EPA200.8	DUP	0.204	2
BDD-SWSF-082716-B	8/27/16 15:36	Barium	160	ug/l		UF	EPA200.8	SMP	0.16	1
BDD-SWSF-082716-B-F	8/27/16 15:36	Barium	89	ug/l		F	EPA200.8	SMP	0.16	1
BDD-SWSF-082716-B-F	8/27/16 15:36	Barium	89	ug/l		F	EPA200.8	DUP	0.165	1
BDD-SWSF-082716-B	8/27/16 15:36	Beryllium	0.37	ug/l	J	UF	EPA200.8	SMP	0.27	0.5
BDD-SWSF-082716-B-F	8/27/16 15:36	Beryllium	0.5	ug/l	U	F	EPA200.8	SMP	0.27	0.5
BDD-SWSF-082716-B-F	8/27/16 15:36	Beryllium	0.266	ug/l	U	F	EPA200.8	DUP	0.266	0.5
BDD-SWSF-082716-B	8/27/16 15:36	Boron	35	ug/l	J	UF	EPA200.8	SMP	12	50
BDD-SWSF-082716-B-F	8/27/16 15:36	Boron	31	ug/l	J	F	EPA200.8	SMP	12	50
BDD-SWSF-082716-B-F	8/27/16 15:36	Boron	26	ug/l	J	F	EPA200.8	DUP	12.4	50
BDD-SWSF-082716-B	8/27/16 15:36	Cadmium	0.29	ug/l	J	UF	EPA200.8	SMP	0.088	0.3
BDD-SWSF-082716-B-F	8/27/16 15:36	Cadmium	0.3	ug/l	U	F	EPA200.8	SMP	0.088	0.3
BDD-SWSF-082716-B-F	8/27/16 15:36	Cadmium	0.088	ug/l	U	F	EPA200.8	DUP	0.088	0.3
BDD-SWSF-082716-B	8/27/16 15:36	Calcium	45000	ug/l		UF	EPA200.8	SMP	68	1000
BDD-SWSF-082716-B-F	8/27/16 15:36	Calcium	37000	ug/l		F	EPA200.8	SMP	68	1000
BDD-SWSF-082716-B-F	8/27/16 15:36	Calcium	37700	ug/l		F	EPA200.8	DUP	68	1000
BDD-SWSF-082716-B	8/27/16 15:36	Chromium	1.5	ug/l	J	UF	EPA200.8	SMP	0.88	10
BDD-SWSF-082716-B-F	8/27/16 15:36	Chromium	10	ug/l	U	F	EPA200.8	SMP	0.88	10
BDD-SWSF-082716-B-F	8/27/16 15:36	Chromium	0.878	ug/l	U	F	EPA200.8	DUP	0.878	10
BDD-SWSF-082716-B	8/27/16 15:36	Cobalt	1.8	ug/l		UF	EPA200.8	SMP	0.083	1
BDD-SWSF-082716-B-F	8/27/16 15:36	Cobalt	0.12	ug/l	J	F	EPA200.8	SMP	0.083	1
BDD-SWSF-082716-B-F	8/27/16 15:36	Cobalt	0.12	ug/l	J	F	EPA200.8	DUP	0.0826	1
BDD-SWSF-082716-B	8/27/16 15:36	Copper	3.9	ug/l	J	UF	EPA200.8	SMP	1.2	10
BDD-SWSF-082716-B-F	8/27/16 15:36	Copper	10	ug/l	U	F	EPA200.8	SMP	1.2	10
BDD-SWSF-082716-B-F	8/27/16 15:36	Copper	1.15	ug/l	U	F	EPA200.8	DUP	1.15	10
BDD-SWSF-082716-B	8/27/16 15:36	Iron	2100	ug/l		UF	EPA200.8	SMP	8.1	100
BDD-SWSF-082716-B-F	8/27/16 15:36	Iron	21	ug/l	J	F	EPA200.8	SMP	8.1	100
BDD-SWSF-082716-B-F	8/27/16 15:36	Iron	20.8	ug/l	J	F	EPA200.8	DUP	8.11	100
BDD-SWSF-082716-B	8/27/16 15:36	Lead	3.3	ug/l		UF	EPA200.8	SMP	0.17	0.5
BDD-SWSF-082716-B-F	8/27/16 15:36	Lead	0.5	ug/l	U	F	EPA200.8	SMP	0.17	0.5
BDD-SWSF-082716-B-F	8/27/16 15:36	Lead	0.171	ug/l	U	F	EPA200.8	DUP	0.171	0.5
BDD-SWSF-082716-B	8/27/16 15:36	Magnesium	7100	ug/l		UF	EPA200.8	SMP	18	100
BDD-SWSF-082716-B-F	8/27/16 15:36	Magnesium	5700	ug/l		F	EPA200.8	SMP	18	100
BDD-SWSF-082716-B-F	8/27/16 15:36	Magnesium	5570	ug/l		F	EPA200.8	DUP	17.7	100
BDD-SWSF-082716-B	8/27/16 15:36	Manganese	180	ug/l		UF	EPA200.8	SMP	0.34	2
BDD-SWSF-082716-B-F	8/27/16 15:36	Manganese	0.74	ug/l	J	F	EPA200.8	SMP	0.34	2
BDD-SWSF-082716-B-F	8/27/16 15:36	Manganese	0.72	ug/l	J	F	EPA200.8	DUP	0.338	2
BDD-SWSF-082716-B	8/27/16 15:36	Mercury	0.2	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-082716-B-F	8/27/16 15:36	Mercury	0.2	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-082716-B	8/27/16 15:36	Nickel	5	ug/l	U	UF	EPA200.8	SMP	4	5
BDD-SWSF-082716-B-F	8/27/16 15:36	Nickel	5	ug/l	U	F	EPA200.8	SMP	4	5
BDD-SWSF-082716-B-F	8/27/16 15:36	Nickel	3.95	ug/l	U	F	EPA200.8	DUP	3.95	5
BDD-SWSF-082716-B	8/27/16 15:36	Potassium	3100	ug/l		UF	EPA200.8	SMP	290	1000
BDD-SWSF-082716-B-F	8/27/16 15:36	Potassium	2300	ug/l		F	EPA200.8	SMP	290	1000
BDD-SWSF-082716-B-F	8/27/16 15:36	Potassium	2340	ug/l		F	EPA200.8	DUP	294	1000
BDD-SWSF-082716-B	8/27/16 15:36	Selenium	1	ug/l	U	UF	EPA200.8	SMP	0.66	1
BDD-SWSF-082716-B-F	8/27/16 15:36	Selenium	1	ug/l	U	F	EPA200.8	SMP	0.66	1
BDD-SWSF-082716-B-F	8/27/16 15:36	Selenium	0.663	ug/l	U	F	EPA200.8	DUP	0.663	1

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-082716-B	8/27/16 15:36	Silver	0.17	ug/l		UF	EPA200.8	SMP	0.041	0.1
BDD-SWSF-082716-B-F	8/27/16 15:36	Silver	0.1	ug/l	U	F	EPA200.8	SMP	0.041	0.1
BDD-SWSF-082716-B-F	8/27/16 15:36	Silver	0.0407	ug/l	U	F	EPA200.8	DUP	0.0407	0.1
BDD-SWSF-082716-B	8/27/16 15:36	Sodium	15000	ug/l		UF	EPA200.8	SMP	200	1000
BDD-SWSF-082716-B-F	8/27/16 15:36	Sodium	15000	ug/l		F	EPA200.8	SMP	200	1000
BDD-SWSF-082716-B-F	8/27/16 15:36	Sodium	15100	ug/l		F	EPA200.8	DUP	199	1000
BDD-SWSF-082716-B	8/27/16 15:36	Thallium	0.02	ug/l	J	UF	EPA200.8	SMP	0.018	0.2
BDD-SWSF-082716-B-F	8/27/16 15:36	Thallium	0.2	ug/l	U	F	EPA200.8	SMP	0.018	0.2
BDD-SWSF-082716-B-F	8/27/16 15:36	Thallium	0.0175	ug/l	U	F	EPA200.8	DUP	0.0175	0.2
BDD-SWSF-082716-B	8/27/16 15:36	Uranium	2.1	ug/l		UF	EPA200.8	SMP	0.02	0.1
BDD-SWSF-082716-B-F	8/27/16 15:36	Uranium	1.7	ug/l		F	EPA200.8	SMP	0.02	0.1
BDD-SWSF-082716-B-F	8/27/16 15:36	Uranium	1.62	ug/l		F	EPA200.8	DUP	0.0198	0.1
BDD-SWSF-082716-B	8/27/16 15:36	Vanadium	8.7	ug/l		UF	EPA200.8	SMP	0.71	1
BDD-SWSF-082716-B-F	8/27/16 15:36	Vanadium	3.3	ug/l		F	EPA200.8	SMP	0.71	1
BDD-SWSF-082716-B-F	8/27/16 15:36	Vanadium	3.28	ug/l		F	EPA200.8	DUP	0.709	1
BDD-SWSF-082716-B	8/27/16 15:36	Zinc	12	ug/l	J	UF	EPA200.8	SMP	9.8	20
BDD-SWSF-082716-B-F	8/27/16 15:36	Zinc	20	ug/l	U	F	EPA200.8	SMP	9.8	20
BDD-SWSF-082716-B-F	8/27/16 15:36	Zinc	20.7	ug/l		F	EPA200.8	DUP	9.77	20
BDD-SWSF-082716-C	8/27/16 16:20	Aluminum	2000	ug/l		UF	EPA200.8	SMP	14	50
BDD-SWSF-082716-C-F	8/27/16 16:20	Aluminum	15	ug/l	J	F	EPA200.8	SMP	14	50
BDD-SWSF-082716-C	8/27/16 16:20	Antimony	0.3	ug/l	U	UF	EPA200.8	SMP	0.11	0.3
BDD-SWSF-082716-C-F	8/27/16 16:20	Antimony	0.21	ug/l	J	F	EPA200.8	SMP	0.11	0.3
BDD-SWSF-082716-C	8/27/16 16:20	Arsenic	2.7	ug/l		UF	EPA200.8	SMP	0.2	2
BDD-SWSF-082716-C-F	8/27/16 16:20	Arsenic	2.3	ug/l		F	EPA200.8	SMP	0.2	2
BDD-SWSF-082716-C	8/27/16 16:20	Barium	190	ug/l		UF	EPA200.8	SMP	0.16	1
BDD-SWSF-082716-C-F	8/27/16 16:20	Barium	86	ug/l		F	EPA200.8	SMP	0.16	1
BDD-SWSF-082716-C	8/27/16 16:20	Beryllium	0.54	ug/l		UF	EPA200.8	SMP	0.27	0.5
BDD-SWSF-082716-C-F	8/27/16 16:20	Beryllium	0.5	ug/l	U	F	EPA200.8	SMP	0.27	0.5
BDD-SWSF-082716-C	8/27/16 16:20	Boron	49	ug/l	J	UF	EPA200.8	SMP	12	50
BDD-SWSF-082716-C-F	8/27/16 16:20	Boron	26	ug/l	J	F	EPA200.8	SMP	12	50
BDD-SWSF-082716-C	8/27/16 16:20	Cadmium	0.09	ug/l	J	UF	EPA200.8	SMP	0.088	0.3
BDD-SWSF-082716-C-F	8/27/16 16:20	Cadmium	0.3	ug/l	U	F	EPA200.8	SMP	0.088	0.3
BDD-SWSF-082716-C	8/27/16 16:20	Calcium	50000	ug/l		UF	EPA200.8	SMP	68	1000
BDD-SWSF-082716-C-F	8/27/16 16:20	Calcium	38000	ug/l		F	EPA200.8	SMP	68	1000
BDD-SWSF-082716-C	8/27/16 16:20	Chromium	1	ug/l	J	UF	EPA200.8	SMP	0.88	10
BDD-SWSF-082716-C-F	8/27/16 16:20	Chromium	10	ug/l	U	F	EPA200.8	SMP	0.88	10
BDD-SWSF-082716-C	8/27/16 16:20	Cobalt	2.2	ug/l		UF	EPA200.8	SMP	0.083	1
BDD-SWSF-082716-C-F	8/27/16 16:20	Cobalt	0.14	ug/l	J	F	EPA200.8	SMP	0.083	1
BDD-SWSF-082716-C	8/27/16 16:20	Copper	4.6	ug/l	J	UF	EPA200.8	SMP	1.2	10
BDD-SWSF-082716-C-F	8/27/16 16:20	Copper	10	ug/l	U	F	EPA200.8	SMP	1.2	10
BDD-SWSF-082716-C	8/27/16 16:20	Iron	1400	ug/l		UF	EPA200.8	SMP	8.1	100
BDD-SWSF-082716-C-F	8/27/16 16:20	Iron	58	ug/l	J	F	EPA200.8	SMP	8.1	100
BDD-SWSF-082716-C	8/27/16 16:20	Lead	4.4	ug/l		UF	EPA200.8	SMP	0.17	0.5
BDD-SWSF-082716-C-F	8/27/16 16:20	Lead	0.5	ug/l	U	F	EPA200.8	SMP	0.17	0.5
BDD-SWSF-082716-C	8/27/16 16:20	Magnesium	6900	ug/l		UF	EPA200.8	SMP	18	100
BDD-SWSF-082716-C-F	8/27/16 16:20	Magnesium	5600	ug/l		F	EPA200.8	SMP	18	100
BDD-SWSF-082716-C	8/27/16 16:20	Manganese	240	ug/l		UF	EPA200.8	SMP	0.34	2
BDD-SWSF-082716-C-F	8/27/16 16:20	Manganese	0.74	ug/l	J	F	EPA200.8	SMP	0.34	2
BDD-SWSF-082716-C	8/27/16 16:20	Mercury	0.2	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-082716-C-F	8/27/16 16:20	Mercury	0.2	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-082716-C	8/27/16 16:20	Nickel	8.5	ug/l		UF	EPA200.8	SMP	4	5
BDD-SWSF-082716-C-F	8/27/16 16:20	Nickel	5	ug/l	U	F	EPA200.8	SMP	4	5
BDD-SWSF-082716-C	8/27/16 16:20	Potassium	3000	ug/l		UF	EPA200.8	SMP	290	1000
BDD-SWSF-082716-C-F	8/27/16 16:20	Potassium	2300	ug/l		F	EPA200.8	SMP	290	1000
BDD-SWSF-082716-C	8/27/16 16:20	Selenium	1	ug/l	U	UF	EPA200.8	SMP	0.66	1
BDD-SWSF-082716-C-F	8/27/16 16:20	Selenium	1	ug/l	U	F	EPA200.8	SMP	0.66	1

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-082716-C	8/27/16 16:20	Silver	0.05	ug/l	J	UF	EPA200.8	SMP	0.041	0.1
BDD-SWSF-082716-C-F	8/27/16 16:20	Silver	0.1	ug/l	U	F	EPA200.8	SMP	0.041	0.1
BDD-SWSF-082716-C	8/27/16 16:20	Sodium	15000	ug/l		UF	EPA200.8	SMP	200	1000
BDD-SWSF-082716-C-F	8/27/16 16:20	Sodium	15000	ug/l		F	EPA200.8	SMP	200	1000
BDD-SWSF-082716-C	8/27/16 16:20	Thallium	0.02	ug/l	J	UF	EPA200.8	SMP	0.018	0.2
BDD-SWSF-082716-C-F	8/27/16 16:20	Thallium	0.2	ug/l	U	F	EPA200.8	SMP	0.018	0.2
BDD-SWSF-082716-C	8/27/16 16:20	Uranium	2	ug/l		UF	EPA200.8	SMP	0.02	0.1
BDD-SWSF-082716-C-F	8/27/16 16:20	Uranium	1.7	ug/l		F	EPA200.8	SMP	0.02	0.1
BDD-SWSF-082716-C	8/27/16 16:20	Vanadium	9.5	ug/l		UF	EPA200.8	SMP	0.71	1
BDD-SWSF-082716-C-F	8/27/16 16:20	Vanadium	3.3	ug/l		F	EPA200.8	SMP	0.71	1
BDD-SWSF-082716-C	8/27/16 16:20	Zinc	15	ug/l	J	UF	EPA200.8	SMP	9.8	20
BDD-SWSF-082716-C-F	8/27/16 16:20	Zinc	20	ug/l	U	F	EPA200.8	SMP	9.8	20
BDD-SWSF-082716-E	8/27/16 17:05	Aluminum	2600	ug/l		UF	EPA200.8	SMP	14	50
BDD-SWSF-082716-E-F	8/27/16 17:05	Aluminum	17	ug/l	J	F	EPA200.8	SMP	14	50
BDD-SWSF-082716-E	8/27/16 17:05	Antimony	0.12	ug/l	J	UF	EPA200.8	SMP	0.11	0.3
BDD-SWSF-082716-E-F	8/27/16 17:05	Antimony	0.22	ug/l	J	F	EPA200.8	SMP	0.11	0.3
BDD-SWSF-082716-E	8/27/16 17:05	Arsenic	2.6	ug/l		UF	EPA200.8	SMP	0.2	2
BDD-SWSF-082716-E-F	8/27/16 17:05	Arsenic	1.9	ug/l	J	F	EPA200.8	SMP	0.2	2
BDD-SWSF-082716-E	8/27/16 17:05	Barium	160	ug/l		UF	EPA200.8	SMP	0.16	1
BDD-SWSF-082716-E-F	8/27/16 17:05	Barium	87	ug/l		F	EPA200.8	SMP	0.16	1
BDD-SWSF-082716-E	8/27/16 17:05	Beryllium	0.32	ug/l	J	UF	EPA200.8	SMP	0.27	0.5
BDD-SWSF-082716-E-F	8/27/16 17:05	Beryllium	0.5	ug/l	U	F	EPA200.8	SMP	0.27	0.5
BDD-SWSF-082716-E	8/27/16 17:05	Boron	25	ug/l	J	UF	EPA200.8	SMP	12	50
BDD-SWSF-082716-E-F	8/27/16 17:05	Boron	33	ug/l	J	F	EPA200.8	SMP	12	50
BDD-SWSF-082716-E	8/27/16 17:05	Cadmium	0.24	ug/l	J	UF	EPA200.8	SMP	0.088	0.3
BDD-SWSF-082716-E-F	8/27/16 17:05	Cadmium	0.3	ug/l	U	F	EPA200.8	SMP	0.088	0.3
BDD-SWSF-082716-E	8/27/16 17:05	Calcium	45000	ug/l		UF	EPA200.8	SMP	68	1000
BDD-SWSF-082716-E-F	8/27/16 17:05	Calcium	36000	ug/l		F	EPA200.8	SMP	68	1000
BDD-SWSF-082716-E	8/27/16 17:05	Chromium	1.4	ug/l	J	UF	EPA200.8	SMP	0.88	10
BDD-SWSF-082716-E-F	8/27/16 17:05	Chromium	10	ug/l	U	F	EPA200.8	SMP	0.88	10
BDD-SWSF-082716-E	8/27/16 17:05	Cobalt	1.8	ug/l		UF	EPA200.8	SMP	0.083	1
BDD-SWSF-082716-E-F	8/27/16 17:05	Cobalt	0.17	ug/l	J	F	EPA200.8	SMP	0.083	1
BDD-SWSF-082716-E	8/27/16 17:05	Copper	6.6	ug/l	J	UF	EPA200.8	SMP	1.2	10
BDD-SWSF-082716-E-F	8/27/16 17:05	Copper	1.5	ug/l	J	F	EPA200.8	SMP	1.2	10
BDD-SWSF-082716-E	8/27/16 17:05	Iron	2000	ug/l		UF	EPA200.8	SMP	8.1	100
BDD-SWSF-082716-E-F	8/27/16 17:05	Iron	33	ug/l	J	F	EPA200.8	SMP	8.1	100
BDD-SWSF-082716-E	8/27/16 17:05	Lead	3.2	ug/l		UF	EPA200.8	SMP	0.17	0.5
BDD-SWSF-082716-E-F	8/27/16 17:05	Lead	0.5	ug/l	U	F	EPA200.8	SMP	0.17	0.5
BDD-SWSF-082716-E	8/27/16 17:05	Magnesium	6900	ug/l		UF	EPA200.8	SMP	18	100
BDD-SWSF-082716-E-F	8/27/16 17:05	Magnesium	5500	ug/l		F	EPA200.8	SMP	18	100
BDD-SWSF-082716-E	8/27/16 17:05	Manganese	170	ug/l		UF	EPA200.8	SMP	0.34	2
BDD-SWSF-082716-E-F	8/27/16 17:05	Manganese	0.69	ug/l	J	F	EPA200.8	SMP	0.34	2
BDD-SWSF-082716-E	8/27/16 17:05	Mercury	0.2	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-082716-E-F	8/27/16 17:05	Mercury	0.2	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-082716-E	8/27/16 17:05	Nickel	5	ug/l	U	UF	EPA200.8	SMP	4	5
BDD-SWSF-082716-E-F	8/27/16 17:05	Nickel	9.5	ug/l		F	EPA200.8	SMP	4	5
BDD-SWSF-082716-E	8/27/16 17:05	Potassium	3100	ug/l		UF	EPA200.8	SMP	290	1000
BDD-SWSF-082716-E-F	8/27/16 17:05	Potassium	2300	ug/l		F	EPA200.8	SMP	290	1000
BDD-SWSF-082716-E	8/27/16 17:05	Selenium	1	ug/l	U	UF	EPA200.8	SMP	0.66	1
BDD-SWSF-082716-E-F	8/27/16 17:05	Selenium	1	ug/l	U	F	EPA200.8	SMP	0.66	1
BDD-SWSF-082716-E	8/27/16 17:05	Silver	0.16	ug/l		UF	EPA200.8	SMP	0.041	0.1
BDD-SWSF-082716-E-F	8/27/16 17:05	Silver	0.1	ug/l	U	F	EPA200.8	SMP	0.041	0.1
BDD-SWSF-082716-E	8/27/16 17:05	Sodium	15000	ug/l		UF	EPA200.8	SMP	200	1000
BDD-SWSF-082716-E-F	8/27/16 17:05	Sodium	15000	ug/l		F	EPA200.8	SMP	200	1000
BDD-SWSF-082716-E	8/27/16 17:05	Thallium	0.03	ug/l	J	UF	EPA200.8	SMP	0.018	0.2
BDD-SWSF-082716-E-F	8/27/16 17:05	Thallium	0.2	ug/l	U	F	EPA200.8	SMP	0.018	0.2

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-082716-E	8/27/16 17:05	Uranium	2	ug/l		UF	EPA200.8	SMP	0.02	0.1
BDD-SWSF-082716-E-F	8/27/16 17:05	Uranium	1.6	ug/l		F	EPA200.8	SMP	0.02	0.1
BDD-SWSF-082716-E	8/27/16 17:05	Vanadium	8.4	ug/l		UF	EPA200.8	SMP	0.71	1
BDD-SWSF-082716-E-F	8/27/16 17:05	Vanadium	3.3	ug/l		F	EPA200.8	SMP	0.71	1
BDD-SWSF-082716-E	8/27/16 17:05	Zinc	20	ug/l	J	UF	EPA200.8	SMP	9.8	20
BDD-SWSF-082716-E-F	8/27/16 17:05	Zinc	20	ug/l	U	F	EPA200.8	SMP	9.8	20
BDD-SWSF-082716-G	8/27/16 17:50	Aluminum	3100	ug/l		UF	EPA200.8	SMP	14	50
BDD-SWSF-082716-G-F	8/27/16 17:50	Aluminum	50	ug/l	U	F	EPA200.8	SMP	14	50
BDD-SWSF-082716-G	8/27/16 17:50	Antimony	0.13	ug/l	J	UF	EPA200.8	SMP	0.11	0.3
BDD-SWSF-082716-G-F	8/27/16 17:50	Antimony	0.16	ug/l	J	F	EPA200.8	SMP	0.11	0.3
BDD-SWSF-082716-G	8/27/16 17:50	Arsenic	2.9	ug/l		UF	EPA200.8	SMP	0.2	2
BDD-SWSF-082716-G-F	8/27/16 17:50	Arsenic	1.9	ug/l	J	F	EPA200.8	SMP	0.2	2
BDD-SWSF-082716-G	8/27/16 17:50	Barium	160	ug/l		UF	EPA200.8	SMP	0.16	1
BDD-SWSF-082716-G-F	8/27/16 17:50	Barium	91	ug/l		F	EPA200.8	SMP	0.16	1
BDD-SWSF-082716-G	8/27/16 17:50	Beryllium	0.31	ug/l	J	UF	EPA200.8	SMP	0.27	0.5
BDD-SWSF-082716-G-F	8/27/16 17:50	Beryllium	0.5	ug/l	U	F	EPA200.8	SMP	0.27	0.5
BDD-SWSF-082716-G	8/27/16 17:50	Boron	22	ug/l	J	UF	EPA200.8	SMP	12	50
BDD-SWSF-082716-G-F	8/27/16 17:50	Boron	18	ug/l	J	F	EPA200.8	SMP	12	50
BDD-SWSF-082716-G	8/27/16 17:50	Cadmium	0.14	ug/l	J	UF	EPA200.8	SMP	0.088	0.3
BDD-SWSF-082716-G-F	8/27/16 17:50	Cadmium	0.3	ug/l	U	F	EPA200.8	SMP	0.088	0.3
BDD-SWSF-082716-G	8/27/16 17:50	Calcium	45000	ug/l		UF	EPA200.8	SMP	68	1000
BDD-SWSF-082716-G-F	8/27/16 17:50	Calcium	38000	ug/l		F	EPA200.8	SMP	68	1000
BDD-SWSF-082716-G	8/27/16 17:50	Chromium	1.7	ug/l	J	UF	EPA200.8	SMP	0.88	10
BDD-SWSF-082716-G-F	8/27/16 17:50	Chromium	10	ug/l	U	F	EPA200.8	SMP	0.88	10
BDD-SWSF-082716-G	8/27/16 17:50	Cobalt	1.7	ug/l		UF	EPA200.8	SMP	0.083	1
BDD-SWSF-082716-G-F	8/27/16 17:50	Cobalt	0.14	ug/l	J	F	EPA200.8	SMP	0.083	1
BDD-SWSF-082716-G	8/27/16 17:50	Copper	5	ug/l	J	UF	EPA200.8	SMP	1.2	10
BDD-SWSF-082716-G-F	8/27/16 17:50	Copper	10	ug/l	U	F	EPA200.8	SMP	1.2	10
BDD-SWSF-082716-G	8/27/16 17:50	Iron	2200	ug/l		UF	EPA200.8	SMP	8.1	100
BDD-SWSF-082716-G-F	8/27/16 17:50	Iron	20	ug/l	J	F	EPA200.8	SMP	8.1	100
BDD-SWSF-082716-G	8/27/16 17:50	Lead	2.9	ug/l		UF	EPA200.8	SMP	0.17	0.5
BDD-SWSF-082716-G-F	8/27/16 17:50	Lead	0.5	ug/l	U	F	EPA200.8	SMP	0.17	0.5
BDD-SWSF-082716-G	8/27/16 17:50	Magnesium	7100	ug/l		UF	EPA200.8	SMP	18	100
BDD-SWSF-082716-G-F	8/27/16 17:50	Magnesium	5700	ug/l		F	EPA200.8	SMP	18	100
BDD-SWSF-082716-G	8/27/16 17:50	Manganese	170	ug/l		UF	EPA200.8	SMP	0.34	2
BDD-SWSF-082716-G-F	8/27/16 17:50	Manganese	0.73	ug/l	J	F	EPA200.8	SMP	0.34	2
BDD-SWSF-082716-G	8/27/16 17:50	Mercury	0.2	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-082716-G-F	8/27/16 17:50	Mercury	0.2	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-082716-G	8/27/16 17:50	Nickel	9.1	ug/l		UF	EPA200.8	SMP	4	5
BDD-SWSF-082716-G-F	8/27/16 17:50	Nickel	8.8	ug/l		F	EPA200.8	SMP	4	5
BDD-SWSF-082716-G	8/27/16 17:50	Potassium	3100	ug/l		UF	EPA200.8	SMP	290	1000
BDD-SWSF-082716-G-F	8/27/16 17:50	Potassium	2300	ug/l		F	EPA200.8	SMP	290	1000
BDD-SWSF-082716-G	8/27/16 17:50	Selenium	1	ug/l	U	UF	EPA200.8	SMP	0.66	1
BDD-SWSF-082716-G-F	8/27/16 17:50	Selenium	1	ug/l	U	F	EPA200.8	SMP	0.66	1
BDD-SWSF-082716-G	8/27/16 17:50	Silver	0.12	ug/l		UF	EPA200.8	SMP	0.041	0.1
BDD-SWSF-082716-G-F	8/27/16 17:50	Silver	0.1	ug/l	U	F	EPA200.8	SMP	0.041	0.1
BDD-SWSF-082716-G	8/27/16 17:50	Sodium	15000	ug/l		UF	EPA200.8	SMP	200	1000
BDD-SWSF-082716-G-F	8/27/16 17:50	Sodium	15000	ug/l		F	EPA200.8	SMP	200	1000
BDD-SWSF-082716-G	8/27/16 17:50	Thallium	0.03	ug/l	J	UF	EPA200.8	SMP	0.018	0.2
BDD-SWSF-082716-G-F	8/27/16 17:50	Thallium	0.2	ug/l	U	F	EPA200.8	SMP	0.018	0.2
BDD-SWSF-082716-G	8/27/16 17:50	Uranium	2	ug/l		UF	EPA200.8	SMP	0.02	0.1
BDD-SWSF-082716-G-F	8/27/16 17:50	Uranium	1.6	ug/l		F	EPA200.8	SMP	0.02	0.1
BDD-SWSF-082716-G	8/27/16 17:50	Vanadium	8.8	ug/l		UF	EPA200.8	SMP	0.71	1
BDD-SWSF-082716-G-F	8/27/16 17:50	Vanadium	3.4	ug/l		F	EPA200.8	SMP	0.71	1
BDD-SWSF-082716-G	8/27/16 17:50	Zinc	14	ug/l	J	UF	EPA200.8	SMP	9.8	20
BDD-SWSF-082716-G-F	8/27/16 17:50	Zinc	20	ug/l	U	F	EPA200.8	SMP	9.8	20

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-082716-I	8/27/16 18:35	Aluminum	7700	ug/l		UF	EPA200.8	SMP	14	50
BDD-SWSF-082716-I	8/27/16 18:35	Aluminum	7660	ug/l		UF	EPA200.8	DUP	14.1	50
BDD-SWSF-082716-I-F	8/27/16 18:35	Aluminum	18	ug/l	J	F	EPA200.8	SMP	14	50
BDD-SWSF-082716-I	8/27/16 18:35	Antimony	0.32	ug/l		UF	EPA200.8	SMP	0.11	0.3
BDD-SWSF-082716-I	8/27/16 18:35	Antimony	0.31	ug/l		UF	EPA200.8	DUP	0.108	0.3
BDD-SWSF-082716-I-F	8/27/16 18:35	Antimony	0.26	ug/l	J	F	EPA200.8	SMP	0.11	0.3
BDD-SWSF-082716-I	8/27/16 18:35	Arsenic	3.8	ug/l		UF	EPA200.8	SMP	0.2	2
BDD-SWSF-082716-I	8/27/16 18:35	Arsenic	4.03	ug/l		UF	EPA200.8	DUP	0.204	2
BDD-SWSF-082716-I-F	8/27/16 18:35	Arsenic	2.1	ug/l		F	EPA200.8	SMP	0.2	2
BDD-SWSF-082716-I	8/27/16 18:35	Barium	210	ug/l		UF	EPA200.8	SMP	0.16	1
BDD-SWSF-082716-I	8/27/16 18:35	Barium	206	ug/l		UF	EPA200.8	DUP	0.165	1
BDD-SWSF-082716-I-F	8/27/16 18:35	Barium	89	ug/l		F	EPA200.8	SMP	0.16	1
BDD-SWSF-082716-I	8/27/16 18:35	Beryllium	0.82	ug/l		UF	EPA200.8	SMP	0.27	0.5
BDD-SWSF-082716-I	8/27/16 18:35	Beryllium	0.45	ug/l	J	UF	EPA200.8	DUP	0.266	0.5
BDD-SWSF-082716-I-F	8/27/16 18:35	Beryllium	0.34	ug/l	J	F	EPA200.8	SMP	0.27	0.5
BDD-SWSF-082716-I	8/27/16 18:35	Boron	97	ug/l		UF	EPA200.8	SMP	12	50
BDD-SWSF-082716-I	8/27/16 18:35	Boron	60.3	ug/l		UF	EPA200.8	DUP	12.4	50
BDD-SWSF-082716-I-F	8/27/16 18:35	Boron	97	ug/l		F	EPA200.8	SMP	12	50
BDD-SWSF-082716-I	8/27/16 18:35	Cadmium	0.11	ug/l	J	UF	EPA200.8	SMP	0.088	0.3
BDD-SWSF-082716-I	8/27/16 18:35	Cadmium	0.11	ug/l	J	UF	EPA200.8	DUP	0.088	0.3
BDD-SWSF-082716-I-F	8/27/16 18:35	Cadmium	0.3	ug/l	U	F	EPA200.8	SMP	0.088	0.3
BDD-SWSF-082716-I	8/27/16 18:35	Calcium	50000	ug/l		UF	EPA200.8	SMP	68	1000
BDD-SWSF-082716-I	8/27/16 18:35	Calcium	49500	ug/l		UF	EPA200.8	DUP	68	1000
BDD-SWSF-082716-I-F	8/27/16 18:35	Calcium	39000	ug/l		F	EPA200.8	SMP	68	1000
BDD-SWSF-082716-I	8/27/16 18:35	Chromium	4.7	ug/l	J	UF	EPA200.8	SMP	0.88	10
BDD-SWSF-082716-I	8/27/16 18:35	Chromium	4.3	ug/l	J	UF	EPA200.8	DUP	0.878	10
BDD-SWSF-082716-I-F	8/27/16 18:35	Chromium	10	ug/l	U	F	EPA200.8	SMP	0.88	10
BDD-SWSF-082716-I	8/27/16 18:35	Cobalt	3	ug/l		UF	EPA200.8	SMP	0.083	1
BDD-SWSF-082716-I	8/27/16 18:35	Cobalt	2.9	ug/l		UF	EPA200.8	DUP	0.0826	1
BDD-SWSF-082716-I-F	8/27/16 18:35	Cobalt	1.7	ug/l		F	EPA200.8	SMP	0.083	1
BDD-SWSF-082716-I	8/27/16 18:35	Copper	7.3	ug/l	J	UF	EPA200.8	SMP	1.2	10
BDD-SWSF-082716-I	8/27/16 18:35	Copper	6.96	ug/l	J	UF	EPA200.8	DUP	1.15	10
BDD-SWSF-082716-I-F	8/27/16 18:35	Copper	2.2	ug/l	J	F	EPA200.8	SMP	1.2	10
BDD-SWSF-082716-I	8/27/16 18:35	Iron	6200	ug/l		UF	EPA200.8	SMP	8.1	100
BDD-SWSF-082716-I	8/27/16 18:35	Iron	6160	ug/l		UF	EPA200.8	DUP	8.11	100
BDD-SWSF-082716-I-F	8/27/16 18:35	Iron	31	ug/l	J	F	EPA200.8	SMP	8.1	100
BDD-SWSF-082716-I	8/27/16 18:35	Lead	5.1	ug/l		UF	EPA200.8	SMP	0.17	0.5
BDD-SWSF-082716-I	8/27/16 18:35	Lead	5.13	ug/l		UF	EPA200.8	DUP	0.171	0.5
BDD-SWSF-082716-I-F	8/27/16 18:35	Lead	0.61	ug/l		F	EPA200.8	SMP	0.17	0.5
BDD-SWSF-082716-I	8/27/16 18:35	Magnesium	8900	ug/l		UF	EPA200.8	SMP	18	100
BDD-SWSF-082716-I	8/27/16 18:35	Magnesium	8940	ug/l		UF	EPA200.8	DUP	17.7	100
BDD-SWSF-082716-I-F	8/27/16 18:35	Magnesium	5800	ug/l		F	EPA200.8	SMP	18	100
BDD-SWSF-082716-I	8/27/16 18:35	Manganese	220	ug/l		UF	EPA200.8	SMP	0.34	2
BDD-SWSF-082716-I	8/27/16 18:35	Manganese	217	ug/l		UF	EPA200.8	DUP	0.338	2
BDD-SWSF-082716-I-F	8/27/16 18:35	Manganese	2.8	ug/l		F	EPA200.8	SMP	0.34	2
BDD-SWSF-082716-I	8/27/16 18:35	Mercury	0.2	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-082716-I-F	8/27/16 18:35	Mercury	0.2	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-082716-I	8/27/16 18:35	Nickel	9.2	ug/l		UF	EPA200.8	SMP	4	5
BDD-SWSF-082716-I	8/27/16 18:35	Nickel	7.97	ug/l		UF	EPA200.8	DUP	3.95	5
BDD-SWSF-082716-I-F	8/27/16 18:35	Nickel	5	ug/l	U	F	EPA200.8	SMP	4	5
BDD-SWSF-082716-I	8/27/16 18:35	Potassium	4300	ug/l		UF	EPA200.8	SMP	290	1000
BDD-SWSF-082716-I	8/27/16 18:35	Potassium	4330	ug/l		UF	EPA200.8	DUP	294	1000
BDD-SWSF-082716-I-F	8/27/16 18:35	Potassium	2400	ug/l		F	EPA200.8	SMP	290	1000
BDD-SWSF-082716-I	8/27/16 18:35	Selenium	0.68	ug/l	J	UF	EPA200.8	SMP	0.66	1
BDD-SWSF-082716-I	8/27/16 18:35	Selenium	0.73	ug/l	J	UF	EPA200.8	DUP	0.663	1
BDD-SWSF-082716-I-F	8/27/16 18:35	Selenium	1	ug/l	U	F	EPA200.8	SMP	0.66	1

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-082716-I	8/27/16 18:35	Silver	0.05	ug/l	J	UF	EPA200.8	SMP	0.041	0.1
BDD-SWSF-082716-I	8/27/16 18:35	Silver	0.0407	ug/l	U	UF	EPA200.8	DUP	0.0407	0.1
BDD-SWSF-082716-I-F	8/27/16 18:35	Silver	0.05	ug/l	J	F	EPA200.8	SMP	0.041	0.1
BDD-SWSF-082716-I	8/27/16 18:35	Sodium	16000	ug/l		UF	EPA200.8	SMP	200	1000
BDD-SWSF-082716-I	8/27/16 18:35	Sodium	16400	ug/l		UF	EPA200.8	DUP	199	1000
BDD-SWSF-082716-I-F	8/27/16 18:35	Sodium	16000	ug/l		F	EPA200.8	SMP	200	1000
BDD-SWSF-082716-I	8/27/16 18:35	Thallium	0.07	ug/l	J	UF	EPA200.8	SMP	0.018	0.2
BDD-SWSF-082716-I	8/27/16 18:35	Thallium	0.07	ug/l	J	UF	EPA200.8	DUP	0.0175	0.2
BDD-SWSF-082716-I-F	8/27/16 18:35	Thallium	0.2	ug/l	U	F	EPA200.8	SMP	0.018	0.2
BDD-SWSF-082716-I	8/27/16 18:35	Uranium	2.5	ug/l		UF	EPA200.8	SMP	0.02	0.1
BDD-SWSF-082716-I	8/27/16 18:35	Uranium	2.46	ug/l		UF	EPA200.8	DUP	0.0198	0.1
BDD-SWSF-082716-I-F	8/27/16 18:35	Uranium	1.8	ug/l		F	EPA200.8	SMP	0.02	0.1
BDD-SWSF-082716-I	8/27/16 18:35	Vanadium	14	ug/l		UF	EPA200.8	SMP	0.71	1
BDD-SWSF-082716-I	8/27/16 18:35	Vanadium	14.2	ug/l		UF	EPA200.8	DUP	0.709	1
BDD-SWSF-082716-I-F	8/27/16 18:35	Vanadium	4	ug/l		F	EPA200.8	SMP	0.71	1
BDD-SWSF-082716-I	8/27/16 18:35	Zinc	22	ug/l		UF	EPA200.8	SMP	9.8	20
BDD-SWSF-082716-I	8/27/16 18:35	Zinc	21.4	ug/l		UF	EPA200.8	DUP	9.77	20
BDD-SWSF-082716-I-F	8/27/16 18:35	Zinc	20	ug/l	U	F	EPA200.8	SMP	9.8	20
BDD-SWSF-082716-J	8/27/16 19:20	Aluminum	4300	ug/l		UF	EPA200.8	SMP	14	50
BDD-SWSF-082716-J-F	8/27/16 19:20	Aluminum	15	ug/l	J	F	EPA200.8	SMP	14	50
BDD-SWSF-082716-J	8/27/16 19:20	Antimony	0.23	ug/l	J	UF	EPA200.8	SMP	0.11	0.3
BDD-SWSF-082716-J-F	8/27/16 19:20	Antimony	0.27	ug/l	J	F	EPA200.8	SMP	0.11	0.3
BDD-SWSF-082716-J	8/27/16 19:20	Arsenic	3.1	ug/l		UF	EPA200.8	SMP	0.2	2
BDD-SWSF-082716-J-F	8/27/16 19:20	Arsenic	2.1	ug/l		F	EPA200.8	SMP	0.2	2
BDD-SWSF-082716-J	8/27/16 19:20	Barium	170	ug/l		UF	EPA200.8	SMP	0.16	1
BDD-SWSF-082716-J-F	8/27/16 19:20	Barium	91	ug/l		F	EPA200.8	SMP	0.16	1
BDD-SWSF-082716-J	8/27/16 19:20	Beryllium	0.35	ug/l	J	UF	EPA200.8	SMP	0.27	0.5
BDD-SWSF-082716-J-F	8/27/16 19:20	Beryllium	0.5	ug/l	U	F	EPA200.8	SMP	0.27	0.5
BDD-SWSF-082716-J	8/27/16 19:20	Boron	54	ug/l		UF	EPA200.8	SMP	12	50
BDD-SWSF-082716-J-F	8/27/16 19:20	Boron	50	ug/l		F	EPA200.8	SMP	12	50
BDD-SWSF-082716-J	8/27/16 19:20	Cadmium	0.3	ug/l	U	UF	EPA200.8	SMP	0.088	0.3
BDD-SWSF-082716-J-F	8/27/16 19:20	Cadmium	0.3	ug/l	U	F	EPA200.8	SMP	0.088	0.3
BDD-SWSF-082716-J	8/27/16 19:20	Calcium	49000	ug/l		UF	EPA200.8	SMP	68	1000
BDD-SWSF-082716-J-F	8/27/16 19:20	Calcium	39000	ug/l		F	EPA200.8	SMP	68	1000
BDD-SWSF-082716-J	8/27/16 19:20	Chromium	1.8	ug/l	J	UF	EPA200.8	SMP	0.88	10
BDD-SWSF-082716-J-F	8/27/16 19:20	Chromium	10	ug/l	U	F	EPA200.8	SMP	0.88	10
BDD-SWSF-082716-J	8/27/16 19:20	Cobalt	2.1	ug/l		UF	EPA200.8	SMP	0.083	1
BDD-SWSF-082716-J-F	8/27/16 19:20	Cobalt	0.16	ug/l	J	F	EPA200.8	SMP	0.083	1
BDD-SWSF-082716-J	8/27/16 19:20	Copper	5.9	ug/l	J	UF	EPA200.8	SMP	1.2	10
BDD-SWSF-082716-J-F	8/27/16 19:20	Copper	10	ug/l	U	F	EPA200.8	SMP	1.2	10
BDD-SWSF-082716-J	8/27/16 19:20	Iron	3200	ug/l		UF	EPA200.8	SMP	8.1	100
BDD-SWSF-082716-J-F	8/27/16 19:20	Iron	22	ug/l	J	F	EPA200.8	SMP	8.1	100
BDD-SWSF-082716-J	8/27/16 19:20	Lead	4.2	ug/l		UF	EPA200.8	SMP	0.17	0.5
BDD-SWSF-082716-J-F	8/27/16 19:20	Lead	1.6	ug/l		F	EPA200.8	SMP	0.17	0.5
BDD-SWSF-082716-J	8/27/16 19:20	Magnesium	7800	ug/l		UF	EPA200.8	SMP	18	100
BDD-SWSF-082716-J-F	8/27/16 19:20	Magnesium	5800	ug/l		F	EPA200.8	SMP	18	100
BDD-SWSF-082716-J	8/27/16 19:20	Manganese	170	ug/l		UF	EPA200.8	SMP	0.34	2
BDD-SWSF-082716-J-F	8/27/16 19:20	Manganese	2	ug/l	U	F	EPA200.8	SMP	0.34	2
BDD-SWSF-082716-J	8/27/16 19:20	Mercury	0.2	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-082716-J-F	8/27/16 19:20	Mercury	0.2	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-082716-J	8/27/16 19:20	Nickel	5.6	ug/l		UF	EPA200.8	SMP	4	5
BDD-SWSF-082716-J-F	8/27/16 19:20	Nickel	5	ug/l	U	F	EPA200.8	SMP	4	5
BDD-SWSF-082716-J	8/27/16 19:20	Potassium	3500	ug/l		UF	EPA200.8	SMP	290	1000
BDD-SWSF-082716-J-F	8/27/16 19:20	Potassium	2200	ug/l		F	EPA200.8	SMP	290	1000
BDD-SWSF-082716-J	8/27/16 19:20	Selenium	1	ug/l	U	UF	EPA200.8	SMP	0.66	1
BDD-SWSF-082716-J-F	8/27/16 19:20	Selenium	1	ug/l	U	F	EPA200.8	SMP	0.66	1

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-082716-J	8/27/16 19:20	Silver	0.1	ug/l	U	UF	EPA200.8	SMP	0.041	0.1
BDD-SWSF-082716-J-F	8/27/16 19:20	Silver	0.1	ug/l	U	F	EPA200.8	SMP	0.041	0.1
BDD-SWSF-082716-J	8/27/16 19:20	Sodium	16000	ug/l		UF	EPA200.8	SMP	200	1000
BDD-SWSF-082716-J-F	8/27/16 19:20	Sodium	16000	ug/l		F	EPA200.8	SMP	200	1000
BDD-SWSF-082716-J	8/27/16 19:20	Thallium	0.04	ug/l	J	UF	EPA200.8	SMP	0.018	0.2
BDD-SWSF-082716-J-F	8/27/16 19:20	Thallium	0.2	ug/l	U	F	EPA200.8	SMP	0.018	0.2
BDD-SWSF-082716-J	8/27/16 19:20	Uranium	2.2	ug/l		UF	EPA200.8	SMP	0.02	0.1
BDD-SWSF-082716-J-F	8/27/16 19:20	Uranium	1.8	ug/l		F	EPA200.8	SMP	0.02	0.1
BDD-SWSF-082716-J	8/27/16 19:20	Vanadium	11	ug/l		UF	EPA200.8	SMP	0.71	1
BDD-SWSF-082716-J-F	8/27/16 19:20	Vanadium	3.8	ug/l		F	EPA200.8	SMP	0.71	1
BDD-SWSF-082716-J	8/27/16 19:20	Zinc	16	ug/l	J	UF	EPA200.8	SMP	9.8	20
BDD-SWSF-082716-J-F	8/27/16 19:20	Zinc	20	ug/l	U	F	EPA200.8	SMP	9.8	20
BDD-SWSF-082716-L	8/27/16 20:05	Aluminum	4700	ug/l		UF	EPA200.8	SMP	14	50
BDD-SWSF-082716-L-F	8/27/16 20:05	Aluminum	15	ug/l	J	F	EPA200.8	SMP	14	50
BDD-SWSF-082716-L	8/27/16 20:05	Antimony	0.27	ug/l	J	UF	EPA200.8	SMP	0.11	0.3
BDD-SWSF-082716-L-F	8/27/16 20:05	Antimony	0.28	ug/l	J	F	EPA200.8	SMP	0.11	0.3
BDD-SWSF-082716-L	8/27/16 20:05	Arsenic	3.1	ug/l		UF	EPA200.8	SMP	0.2	2
BDD-SWSF-082716-L-F	8/27/16 20:05	Arsenic	2.2	ug/l		F	EPA200.8	SMP	0.2	2
BDD-SWSF-082716-L	8/27/16 20:05	Barium	170	ug/l		UF	EPA200.8	SMP	0.16	1
BDD-SWSF-082716-L-F	8/27/16 20:05	Barium	91	ug/l		F	EPA200.8	SMP	0.16	1
BDD-SWSF-082716-L	8/27/16 20:05	Beryllium	0.36	ug/l	J	UF	EPA200.8	SMP	0.27	0.5
BDD-SWSF-082716-L-F	8/27/16 20:05	Beryllium	0.5	ug/l	U	F	EPA200.8	SMP	0.27	0.5
BDD-SWSF-082716-L	8/27/16 20:05	Boron	52	ug/l		UF	EPA200.8	SMP	12	50
BDD-SWSF-082716-L-F	8/27/16 20:05	Boron	47	ug/l	J	F	EPA200.8	SMP	12	50
BDD-SWSF-082716-L	8/27/16 20:05	Cadmium	0.15	ug/l	J	UF	EPA200.8	SMP	0.088	0.3
BDD-SWSF-082716-L-F	8/27/16 20:05	Cadmium	0.3	ug/l	U	F	EPA200.8	SMP	0.088	0.3
BDD-SWSF-082716-L	8/27/16 20:05	Calcium	48000	ug/l		UF	EPA200.8	SMP	68	1000
BDD-SWSF-082716-L-F	8/27/16 20:05	Calcium	40000	ug/l		F	EPA200.8	SMP	68	1000
BDD-SWSF-082716-L	8/27/16 20:05	Chromium	2.2	ug/l	J	UF	EPA200.8	SMP	0.88	10
BDD-SWSF-082716-L-F	8/27/16 20:05	Chromium	10	ug/l	U	F	EPA200.8	SMP	0.88	10
BDD-SWSF-082716-L	8/27/16 20:05	Cobalt	2	ug/l		UF	EPA200.8	SMP	0.083	1
BDD-SWSF-082716-L-F	8/27/16 20:05	Cobalt	0.22	ug/l	J	F	EPA200.8	SMP	0.083	1
BDD-SWSF-082716-L	8/27/16 20:05	Copper	5	ug/l	J	UF	EPA200.8	SMP	1.2	10
BDD-SWSF-082716-L-F	8/27/16 20:05	Copper	1.5	ug/l	J	F	EPA200.8	SMP	1.2	10
BDD-SWSF-082716-L	8/27/16 20:05	Iron	3400	ug/l		UF	EPA200.8	SMP	8.1	100
BDD-SWSF-082716-L-F	8/27/16 20:05	Iron	14	ug/l	J	F	EPA200.8	SMP	8.1	100
BDD-SWSF-082716-L	8/27/16 20:05	Lead	3.8	ug/l		UF	EPA200.8	SMP	0.17	0.5
BDD-SWSF-082716-L-F	8/27/16 20:05	Lead	0.53	ug/l		F	EPA200.8	SMP	0.17	0.5
BDD-SWSF-082716-L	8/27/16 20:05	Magnesium	7700	ug/l		UF	EPA200.8	SMP	18	100
BDD-SWSF-082716-L-F	8/27/16 20:05	Magnesium	5900	ug/l		F	EPA200.8	SMP	18	100
BDD-SWSF-082716-L	8/27/16 20:05	Manganese	170	ug/l		UF	EPA200.8	SMP	0.34	2
BDD-SWSF-082716-L-F	8/27/16 20:05	Manganese	0.45	ug/l	J	F	EPA200.8	SMP	0.34	2
BDD-SWSF-082716-L	8/27/16 20:05	Mercury	0.2	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-082716-L-F	8/27/16 20:05	Mercury	0.2	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-082716-L	8/27/16 20:05	Nickel	5.4	ug/l		UF	EPA200.8	SMP	4	5
BDD-SWSF-082716-L-F	8/27/16 20:05	Nickel	5	ug/l	U	F	EPA200.8	SMP	4	5
BDD-SWSF-082716-L	8/27/16 20:05	Potassium	3500	ug/l		UF	EPA200.8	SMP	290	1000
BDD-SWSF-082716-L-F	8/27/16 20:05	Potassium	2400	ug/l		F	EPA200.8	SMP	290	1000
BDD-SWSF-082716-L	8/27/16 20:05	Selenium	1	ug/l	U	UF	EPA200.8	SMP	0.66	1
BDD-SWSF-082716-L-F	8/27/16 20:05	Selenium	1	ug/l	U	F	EPA200.8	SMP	0.66	1
BDD-SWSF-082716-L	8/27/16 20:05	Silver	0.07	ug/l	J	UF	EPA200.8	SMP	0.041	0.1
BDD-SWSF-082716-L-F	8/27/16 20:05	Silver	0.1	ug/l	U	F	EPA200.8	SMP	0.041	0.1
BDD-SWSF-082716-L	8/27/16 20:05	Sodium	16000	ug/l		UF	EPA200.8	SMP	200	1000
BDD-SWSF-082716-L-F	8/27/16 20:05	Sodium	16000	ug/l		F	EPA200.8	SMP	200	1000
BDD-SWSF-082716-L	8/27/16 20:05	Thallium	0.04	ug/l	J	UF	EPA200.8	SMP	0.018	0.2
BDD-SWSF-082716-L-F	8/27/16 20:05	Thallium	0.2	ug/l	U	F	EPA200.8	SMP	0.018	0.2

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-082716-L	8/27/16 20:05	Uranium	2.3	ug/l		UF	EPA200.8	SMP	0.02	0.1
BDD-SWSF-082716-L-F	8/27/16 20:05	Uranium	1.8	ug/l		F	EPA200.8	SMP	0.02	0.1
BDD-SWSF-082716-L	8/27/16 20:05	Vanadium	11	ug/l		UF	EPA200.8	SMP	0.71	1
BDD-SWSF-082716-L-F	8/27/16 20:05	Vanadium	3.8	ug/l		F	EPA200.8	SMP	0.71	1
BDD-SWSF-082716-L	8/27/16 20:05	Zinc	19	ug/l	J	UF	EPA200.8	SMP	9.8	20
BDD-SWSF-082716-L-F	8/27/16 20:05	Zinc	20	ug/l	U	F	EPA200.8	SMP	9.8	20
BDD-SWBF-101116-A	10/11/16 8:14	Aluminum	4700	ug/l		UF	EPA200.8	SMP	14	50
BDD-SWBF-101116-A	10/11/16 8:14	Aluminum	4920	ug/l		UF	EPA200.8	DUP	14.1	50
BDD-SWBF-101116-A-F	10/11/16 8:14	Aluminum	24	ug/l	J	F	EPA200.8	SMP	14	50
BDD-SWBF-101116-A	10/11/16 8:14	Antimony	0.16	ug/l	J	UF	EPA200.8	SMP	0.11	0.3
BDD-SWBF-101116-A	10/11/16 8:14	Antimony	0.14	ug/l	J	UF	EPA200.8	DUP	0.108	0.3
BDD-SWBF-101116-A-F	10/11/16 8:14	Antimony	0.19	ug/l	J	F	EPA200.8	SMP	0.11	0.3
BDD-SWBF-101116-A	10/11/16 8:14	Arsenic	3.2	ug/l		UF	EPA200.8	SMP	0.2	2
BDD-SWBF-101116-A	10/11/16 8:14	Arsenic	3.12	ug/l		UF	EPA200.8	DUP	0.204	2
BDD-SWBF-101116-A-F	10/11/16 8:14	Arsenic	2.1	ug/l		F	EPA200.8	SMP	0.2	2
BDD-SWBF-101116-A	10/11/16 8:14	Barium	150	ug/l		UF	EPA200.8	SMP	0.16	1
BDD-SWBF-101116-A	10/11/16 8:14	Barium	154	ug/l		UF	EPA200.8	DUP	0.165	1
BDD-SWBF-101116-A-F	10/11/16 8:14	Barium	88	ug/l		F	EPA200.8	SMP	0.16	1
BDD-SWBF-101116-A	10/11/16 8:14	Beryllium	0.58	ug/l		UF	EPA200.8	SMP	0.27	0.5
BDD-SWBF-101116-A	10/11/16 8:14	Beryllium	0.29	ug/l	J	UF	EPA200.8	DUP	0.266	0.5
BDD-SWBF-101116-A-F	10/11/16 8:14	Beryllium	0.3	ug/l	J	F	EPA200.8	SMP	0.27	0.5
BDD-SWBF-101116-A	10/11/16 8:14	Boron	91	ug/l		UF	EPA200.8	SMP	12	50
BDD-SWBF-101116-A	10/11/16 8:14	Boron	60.4	ug/l		UF	EPA200.8	DUP	12.4	50
BDD-SWBF-101116-A-F	10/11/16 8:14	Boron	88	ug/l		F	EPA200.8	SMP	12	50
BDD-SWBF-101116-A	10/11/16 8:14	Cadmium	0.3	ug/l	U	UF	EPA200.8	SMP	0.088	0.3
BDD-SWBF-101116-A	10/11/16 8:14	Cadmium	0.088	ug/l	U	UF	EPA200.8	DUP	0.088	0.3
BDD-SWBF-101116-A-F	10/11/16 8:14	Cadmium	0.3	ug/l	U	F	EPA200.8	SMP	0.088	0.3
BDD-SWBF-101116-A	10/11/16 8:14	Calcium	43000	ug/l		UF	EPA200.8	SMP	68	1000
BDD-SWBF-101116-A	10/11/16 8:14	Calcium	45000	ug/l		UF	EPA200.8	DUP	68	1000
BDD-SWBF-101116-A-F	10/11/16 8:14	Calcium	39000	ug/l		F	EPA200.8	SMP	68	1000
BDD-SWBF-101116-A	10/11/16 8:14	Chromium	3	ug/l	J	UF	EPA200.8	SMP	0.88	10
BDD-SWBF-101116-A	10/11/16 8:14	Chromium	2.75	ug/l	J	UF	EPA200.8	DUP	0.878	10
BDD-SWBF-101116-A-F	10/11/16 8:14	Chromium	10	ug/l	U	F	EPA200.8	SMP	0.88	10
BDD-SWBF-101116-A	10/11/16 8:14	Cobalt	1.6	ug/l		UF	EPA200.8	SMP	0.083	1
BDD-SWBF-101116-A	10/11/16 8:14	Cobalt	1.57	ug/l		UF	EPA200.8	DUP	0.0826	1
BDD-SWBF-101116-A-F	10/11/16 8:14	Cobalt	0.24	ug/l	J	F	EPA200.8	SMP	0.083	1
BDD-SWBF-101116-A	10/11/16 8:14	Copper	5.4	ug/l	J	UF	EPA200.8	SMP	1.2	10
BDD-SWBF-101116-A	10/11/16 8:14	Copper	5.22	ug/l	J	UF	EPA200.8	DUP	1.15	10
BDD-SWBF-101116-A-F	10/11/16 8:14	Copper	2.3	ug/l	J	F	EPA200.8	SMP	1.2	10
BDD-SWBF-101116-A	10/11/16 8:14	Iron	3300	ug/l		UF	EPA200.8	SMP	8.1	100
BDD-SWBF-101116-A	10/11/16 8:14	Iron	3310	ug/l		UF	EPA200.8	DUP	8.11	100
BDD-SWBF-101116-A-F	10/11/16 8:14	Iron	9.8	ug/l	J	F	EPA200.8	SMP	8.1	100
BDD-SWBF-101116-A	10/11/16 8:14	Lead	3	ug/l		UF	EPA200.8	SMP	0.17	0.5
BDD-SWBF-101116-A	10/11/16 8:14	Lead	2.82	ug/l		UF	EPA200.8	DUP	0.171	0.5
BDD-SWBF-101116-A-F	10/11/16 8:14	Lead	0.34	ug/l	J	F	EPA200.8	SMP	0.17	0.5
BDD-SWBF-101116-A	10/11/16 8:14	Magnesium	7900	ug/l		UF	EPA200.8	SMP	18	100
BDD-SWBF-101116-A	10/11/16 8:14	Magnesium	8160	ug/l		UF	EPA200.8	DUP	17.7	100
BDD-SWBF-101116-A-F	10/11/16 8:14	Magnesium	6200	ug/l		F	EPA200.8	SMP	18	100
BDD-SWBF-101116-A	10/11/16 8:14	Manganese	120	ug/l		UF	EPA200.8	SMP	0.34	2
BDD-SWBF-101116-A	10/11/16 8:14	Manganese	123	ug/l		UF	EPA200.8	DUP	0.338	2
BDD-SWBF-101116-A-F	10/11/16 8:14	Manganese	0.96	ug/l	J	F	EPA200.8	SMP	0.34	2
BDD-SWBF-101116-A	10/11/16 8:14	Mercury	0.2	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWBF-101116-A	10/11/16 8:14	Mercury	0.06	ug/l	U	UF	EPA245.1	DUP	0.06	0.2
BDD-SWBF-101116-A-F	10/11/16 8:14	Mercury	0.2	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWBF-101116-A-F	10/11/16 8:14	Mercury	0.06	ug/l	U	F	EPA245.1	DUP	0.06	0.2
BDD-SWBF-101116-A	10/11/16 8:14	Nickel	7.6	ug/l		UF	EPA200.8	SMP	4	5

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWBF-101116-A	10/11/16 8:14	Nickel	7.51	ug/l		UF	EPA200.8	DUP	3.95	5
BDD-SWBF-101116-A-F	10/11/16 8:14	Nickel	4.7	ug/l	J	F	EPA200.8	SMP	4	5
BDD-SWBF-101116-A	10/11/16 8:14	Potassium	3700	ug/l		UF	EPA200.8	SMP	290	1000
BDD-SWBF-101116-A	10/11/16 8:14	Potassium	3810	ug/l		UF	EPA200.8	DUP	294	1000
BDD-SWBF-101116-A-F	10/11/16 8:14	Potassium	2800	ug/l		F	EPA200.8	SMP	290	1000
BDD-SWBF-101116-A	10/11/16 8:14	Selenium	1	ug/l	U	UF	EPA200.8	SMP	0.66	1
BDD-SWBF-101116-A	10/11/16 8:14	Selenium	0.663	ug/l	U	UF	EPA200.8	DUP	0.663	1
BDD-SWBF-101116-A-F	10/11/16 8:14	Selenium	1	ug/l	U	F	EPA200.8	SMP	0.66	1
BDD-SWBF-101116-A	10/11/16 8:14	Silver	1.3	ug/l		UF	EPA200.8	SMP	0.041	0.1
BDD-SWBF-101116-A	10/11/16 8:14	Silver	1.29	ug/l		UF	EPA200.8	DUP	0.0407	0.1
BDD-SWBF-101116-A-F	10/11/16 8:14	Silver	0.34	ug/l		F	EPA200.8	SMP	0.041	0.1
BDD-SWBF-101116-A	10/11/16 8:14	Sodium	20000	ug/l		UF	EPA200.8	SMP	200	1000
BDD-SWBF-101116-A	10/11/16 8:14	Sodium	20700	ug/l		UF	EPA200.8	DUP	199	1000
BDD-SWBF-101116-A-F	10/11/16 8:14	Sodium	20000	ug/l		F	EPA200.8	SMP	200	1000
BDD-SWBF-101116-A	10/11/16 8:14	Thallium	0.05	ug/l	J	UF	EPA200.8	SMP	0.018	0.2
BDD-SWBF-101116-A	10/11/16 8:14	Thallium	0.05	ug/l	J	UF	EPA200.8	DUP	0.0175	0.2
BDD-SWBF-101116-A-F	10/11/16 8:14	Thallium	0.2	ug/l	U	F	EPA200.8	SMP	0.018	0.2
BDD-SWBF-101116-A	10/11/16 8:14	Uranium	2.5	ug/l		UF	EPA200.8	SMP	0.02	0.1
BDD-SWBF-101116-A	10/11/16 8:14	Uranium	2.48	ug/l		UF	EPA200.8	DUP	0.0198	0.1
BDD-SWBF-101116-A-F	10/11/16 8:14	Uranium	2.3	ug/l		F	EPA200.8	SMP	0.02	0.1
BDD-SWBF-101116-A	10/11/16 8:14	Vanadium	9.2	ug/l		UF	EPA200.8	SMP	0.71	1
BDD-SWBF-101116-A	10/11/16 8:14	Vanadium	9.42	ug/l		UF	EPA200.8	DUP	0.709	1
BDD-SWBF-101116-A-F	10/11/16 8:14	Vanadium	3.8	ug/l		F	EPA200.8	SMP	0.71	1
BDD-SWBF-101116-A	10/11/16 8:14	Zinc	15	ug/l	J	UF	EPA200.8	SMP	9.8	20
BDD-SWBF-101116-A	10/11/16 8:14	Zinc	15.8	ug/l	J	UF	EPA200.8	DUP	9.77	20
BDD-SWBF-101116-A-F	10/11/16 8:14	Zinc	20	ug/l	U	F	EPA200.8	SMP	9.8	20
BDD-SWBF-050917-A	5/9/17 15:45	Aluminum	5800	ug/l		UF	EPA200.8	SMP	15	50
BDD-SWBF-050917-A	5/9/17 15:45	Antimony	0.24	ug/l	J	UF	EPA200.8	SMP	0.09	0.3
BDD-SWBF-050917-A	5/9/17 15:45	Arsenic	2.5	ug/l		UF	EPA200.8	SMP	0.6	2
BDD-SWBF-050917-A	5/9/17 15:45	Barium	140	ug/l		UF	EPA200.8	SMP	0.6	1
BDD-SWBF-050917-A	5/9/17 15:45	Beryllium	0.39	ug/l	J	UF	EPA200.8	SMP	0.15	0.5
BDD-SWBF-050917-A	5/9/17 15:45	Boron	20	ug/l	J	UF	EPA200.8	SMP	15	50
BDD-SWBF-050917-A	5/9/17 15:45	Cadmium	0.13	ug/l	J	UF	EPA200.8	SMP	0.09	0.3
BDD-SWBF-050917-A	5/9/17 15:45	Calcium	32000	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWBF-050917-A	5/9/17 15:45	Chromium	4.3	ug/l	J	UF	EPA200.8	SMP	3	10
BDD-SWBF-050917-A	5/9/17 15:45	Cobalt	2.6	ug/l		UF	EPA200.8	SMP	0.3	1
BDD-SWBF-050917-A	5/9/17 15:45	Copper	10	ug/l		UF	EPA200.8	SMP	3	10
BDD-SWBF-050917-A	5/9/17 15:45	Iron	4900	ug/l		UF	EPA200.8	SMP	44	100
BDD-SWBF-050917-A	5/9/17 15:45	Lead	5.5	ug/l		UF	EPA200.8	SMP	0.16	0.5
BDD-SWBF-050917-A	5/9/17 15:45	Magnesium	6300	ug/l		UF	EPA200.8	SMP	30	100
BDD-SWBF-050917-A	5/9/17 15:45	Manganese	250	ug/l		UF	EPA200.8	SMP	0.6	2
BDD-SWBF-050917-A	5/9/17 15:45	Mercury	0.2	ug/l	U	UF	EPA245.1	DUP	0.06	0.2
BDD-SWBF-050917-A	5/9/17 15:45	Mercury	0.2	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWBF-050917-A	5/9/17 15:45	Nickel	5.1	ug/l		UF	EPA200.8	SMP	1.9	5
BDD-SWBF-050917-A	5/9/17 15:45	Potassium	3600	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWBF-050917-A	5/9/17 15:45	Selenium	0.86	ug/l	J	UF	EPA200.8	SMP	0.3	1
BDD-SWBF-050917-A	5/9/17 15:45	Silver	0.07	ug/l	J	UF	EPA200.8	SMP	0.03	0.1
BDD-SWBF-050917-A	5/9/17 15:45	Sodium	11000	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWBF-050917-A	5/9/17 15:45	Thallium	0.2	ug/l	U	UF	EPA200.8	SMP	0.15	0.2
BDD-SWBF-050917-A	5/9/17 15:45	Uranium	1.5	ug/l		UF	EPA200.8	SMP	0.038	0.1
BDD-SWBF-050917-A	5/9/17 15:45	Vanadium	10	ug/l		UF	EPA200.8	SMP	0.3	1
BDD-SWBF-050917-A	5/9/17 15:45	Zinc	24	ug/l		UF	EPA200.8	SMP	6	20
BDD-SWSF-052917-A	5/29/17 14:11	Aluminum	1710	ug/l		UF	EPA200.8	DUP	15	50
BDD-SWSF-052917-A	5/29/17 14:11	Aluminum	1700	ug/l		UF	EPA200.8	SMP	15	50
BDD-SWSF-052917-A	5/29/17 14:11	Antimony	0.21	ug/l	J	UF	EPA200.8	DUP	0.09	0.3
BDD-SWSF-052917-A	5/29/17 14:11	Antimony	0.23	ug/l	J	UF	EPA200.8	SMP	0.09	0.3

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-052917-A	5/29/17 14:11	Arsenic	1.56	ug/l	J	UF	EPA200.8	DUP	0.6	2
BDD-SWSF-052917-A	5/29/17 14:11	Arsenic	1.8	ug/l	J	UF	EPA200.8	SMP	0.6	2
BDD-SWSF-052917-A	5/29/17 14:11	Barium	75.6	ug/l		UF	EPA200.8	DUP	0.6	1
BDD-SWSF-052917-A	5/29/17 14:11	Barium	69	ug/l		UF	EPA200.8	SMP	0.6	1
BDD-SWSF-052917-A	5/29/17 14:11	Beryllium	0.15	ug/l	J	UF	EPA200.8	DUP	0.15	0.5
BDD-SWSF-052917-A	5/29/17 14:11	Beryllium	0.5	ug/l	U	UF	EPA200.8	SMP	0.15	0.5
BDD-SWSF-052917-A	5/29/17 14:11	Boron	15.8	ug/l	J	UF	EPA200.8	DUP	15	50
BDD-SWSF-052917-A	5/29/17 14:11	Boron	15	ug/l	J	UF	EPA200.8	SMP	15	50
BDD-SWSF-052917-A	5/29/17 14:11	Cadmium	0.3	ug/l	U	UF	EPA200.8	DUP	0.09	0.3
BDD-SWSF-052917-A	5/29/17 14:11	Cadmium	0.3	ug/l	U	UF	EPA200.8	SMP	0.09	0.3
BDD-SWSF-052917-A	5/29/17 14:11	Calcium	28800	ug/l		UF	EPA200.8	DUP	300	1000
BDD-SWSF-052917-A	5/29/17 14:11	Calcium	28000	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWSF-052917-A	5/29/17 14:11	Chromium	10	ug/l	U	UF	EPA200.8	DUP	3	10
BDD-SWSF-052917-A	5/29/17 14:11	Chromium	10	ug/l	U	UF	EPA200.8	SMP	3	10
BDD-SWSF-052917-A	5/29/17 14:11	Cobalt	1.08	ug/l		UF	EPA200.8	DUP	0.3	1
BDD-SWSF-052917-A	5/29/17 14:11	Cobalt	1.3	ug/l		UF	EPA200.8	SMP	0.3	1
BDD-SWSF-052917-A	5/29/17 14:11	Copper	6.74	ug/l	J	UF	EPA200.8	DUP	3	10
BDD-SWSF-052917-A	5/29/17 14:11	Copper	6.4	ug/l	J	UF	EPA200.8	SMP	3	10
BDD-SWSF-052917-A	5/29/17 14:11	Iron	2070	ug/l		UF	EPA200.8	DUP	44	100
BDD-SWSF-052917-A	5/29/17 14:11	Iron	1900	ug/l		UF	EPA200.8	SMP	44	100
BDD-SWSF-052917-A	5/29/17 14:11	Lead	2.89	ug/l		UF	EPA200.8	DUP	0.16	0.5
BDD-SWSF-052917-A	5/29/17 14:11	Lead	2.8	ug/l		UF	EPA200.8	SMP	0.16	0.5
BDD-SWSF-052917-A	5/29/17 14:11	Magnesium	4870	ug/l		UF	EPA200.8	DUP	30	100
BDD-SWSF-052917-A	5/29/17 14:11	Magnesium	4800	ug/l		UF	EPA200.8	SMP	30	100
BDD-SWSF-052917-A	5/29/17 14:11	Manganese	119	ug/l		UF	EPA200.8	DUP	0.6	2
BDD-SWSF-052917-A	5/29/17 14:11	Manganese	120	ug/l		UF	EPA200.8	SMP	0.6	2
BDD-SWSF-052917-A	5/29/17 14:11	Mercury	0.2	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-052917-A	5/29/17 14:11	Nickel	2.84	ug/l	J	UF	EPA200.8	DUP	1.9	5
BDD-SWSF-052917-A	5/29/17 14:11	Nickel	2.6	ug/l	J	UF	EPA200.8	SMP	1.9	5
BDD-SWSF-052917-A	5/29/17 14:11	Potassium	2570	ug/l		UF	EPA200.8	DUP	300	1000
BDD-SWSF-052917-A	5/29/17 14:11	Potassium	2500	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWSF-052917-A	5/29/17 14:11	Selenium	0.38	ug/l	J	UF	EPA200.8	DUP	0.3	1
BDD-SWSF-052917-A	5/29/17 14:11	Selenium	1	ug/l	U	UF	EPA200.8	SMP	0.3	1
BDD-SWSF-052917-A	5/29/17 14:11	Silver	0.12	ug/l		UF	EPA200.8	DUP	0.03	0.1
BDD-SWSF-052917-A	5/29/17 14:11	Silver	0.08	ug/l	J	UF	EPA200.8	SMP	0.03	0.1
BDD-SWSF-052917-A	5/29/17 14:11	Sodium	9240	ug/l		UF	EPA200.8	DUP	300	1000
BDD-SWSF-052917-A	5/29/17 14:11	Sodium	9200	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWSF-052917-A	5/29/17 14:11	Thallium	0.2	ug/l	U	UF	EPA200.8	DUP	0.15	0.2
BDD-SWSF-052917-A	5/29/17 14:11	Thallium	0.2	ug/l	U	UF	EPA200.8	SMP	0.15	0.2
BDD-SWSF-052917-A	5/29/17 14:11	Uranium	0.89	ug/l		UF	EPA200.8	DUP	0.038	0.1
BDD-SWSF-052917-A	5/29/17 14:11	Uranium	0.85	ug/l		UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-052917-A	5/29/17 14:11	Vanadium	4.71	ug/l		UF	EPA200.8	DUP	0.3	1
BDD-SWSF-052917-A	5/29/17 14:11	Vanadium	5	ug/l		UF	EPA200.8	SMP	0.3	1
BDD-SWSF-052917-A	5/29/17 14:11	Zinc	13.7	ug/l	J	UF	EPA200.8	DUP	6	20
BDD-SWSF-052917-A	5/29/17 14:11	Zinc	12	ug/l	J	UF	EPA200.8	SMP	6	20
BDD-SWSF-052917-B	5/29/17 14:42	Aluminum	1800	ug/l		UF	EPA200.8	SMP	15	50
BDD-SWSF-052917-B	5/29/17 14:42	Antimony	0.14	ug/l	J	UF	EPA200.8	SMP	0.09	0.3
BDD-SWSF-052917-B	5/29/17 14:42	Arsenic	1.9	ug/l	J	UF	EPA200.8	SMP	0.6	2
BDD-SWSF-052917-B	5/29/17 14:42	Barium	70	ug/l		UF	EPA200.8	SMP	0.6	1
BDD-SWSF-052917-B	5/29/17 14:42	Beryllium	0.5	ug/l	U	UF	EPA200.8	SMP	0.15	0.5
BDD-SWSF-052917-B	5/29/17 14:42	Boron	25	ug/l	J	UF	EPA200.8	SMP	15	50
BDD-SWSF-052917-B	5/29/17 14:42	Cadmium	0.3	ug/l	U	UF	EPA200.8	SMP	0.09	0.3
BDD-SWSF-052917-B	5/29/17 14:42	Calcium	27000	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWSF-052917-B	5/29/17 14:42	Chromium	10	ug/l	U	UF	EPA200.8	SMP	3	10
BDD-SWSF-052917-B	5/29/17 14:42	Cobalt	1.1	ug/l		UF	EPA200.8	SMP	0.3	1
BDD-SWSF-052917-B	5/29/17 14:42	Copper	7.6	ug/l	J	UF	EPA200.8	SMP	3	10

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-052917-B	5/29/17 14:42	Iron	2100	ug/l		UF	EPA200.8	SMP	44	100
BDD-SWSF-052917-B	5/29/17 14:42	Lead	2.8	ug/l		UF	EPA200.8	SMP	0.16	0.5
BDD-SWSF-052917-B	5/29/17 14:42	Magnesium	4600	ug/l		UF	EPA200.8	SMP	30	100
BDD-SWSF-052917-B	5/29/17 14:42	Manganese	110	ug/l		UF	EPA200.8	SMP	0.6	2
BDD-SWSF-052917-B	5/29/17 14:42	Mercury	0.2	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-052917-B	5/29/17 14:42	Nickel	2.9	ug/l	J	UF	EPA200.8	SMP	1.9	5
BDD-SWSF-052917-B	5/29/17 14:42	Potassium	2500	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWSF-052917-B	5/29/17 14:42	Selenium	1	ug/l	U	UF	EPA200.8	SMP	0.3	1
BDD-SWSF-052917-B	5/29/17 14:42	Silver	0.15	ug/l		UF	EPA200.8	SMP	0.03	0.1
BDD-SWSF-052917-B	5/29/17 14:42	Sodium	9000	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWSF-052917-B	5/29/17 14:42	Thallium	0.2	ug/l	U	UF	EPA200.8	SMP	0.15	0.2
BDD-SWSF-052917-B	5/29/17 14:42	Uranium	0.89	ug/l		UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-052917-B	5/29/17 14:42	Vanadium	4.9	ug/l		UF	EPA200.8	SMP	0.3	1
BDD-SWSF-052917-B	5/29/17 14:42	Zinc	15	ug/l	J	UF	EPA200.8	SMP	6	20
BDD-SWSF-052917-C	5/29/17 14:56	Aluminum	2500	ug/l		UF	EPA200.8	SMP	15	50
BDD-SWSF-052917-C	5/29/17 14:56	Antimony	0.17	ug/l	J	UF	EPA200.8	SMP	0.09	0.3
BDD-SWSF-052917-C	5/29/17 14:56	Arsenic	1.8	ug/l	J	UF	EPA200.8	SMP	0.6	2
BDD-SWSF-052917-C	5/29/17 14:56	Barium	82	ug/l		UF	EPA200.8	SMP	0.6	1
BDD-SWSF-052917-C	5/29/17 14:56	Beryllium	0.17	ug/l	J	UF	EPA200.8	SMP	0.15	0.5
BDD-SWSF-052917-C	5/29/17 14:56	Boron	26	ug/l	J	UF	EPA200.8	SMP	15	50
BDD-SWSF-052917-C	5/29/17 14:56	Cadmium	0.09	ug/l	J	UF	EPA200.8	SMP	0.09	0.3
BDD-SWSF-052917-C	5/29/17 14:56	Calcium	28000	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWSF-052917-C	5/29/17 14:56	Chromium	10	ug/l	U	UF	EPA200.8	SMP	3	10
BDD-SWSF-052917-C	5/29/17 14:56	Cobalt	1.4	ug/l		UF	EPA200.8	SMP	0.3	1
BDD-SWSF-052917-C	5/29/17 14:56	Copper	4.6	ug/l	J	UF	EPA200.8	SMP	3	10
BDD-SWSF-052917-C	5/29/17 14:56	Iron	2600	ug/l		UF	EPA200.8	SMP	44	100
BDD-SWSF-052917-C	5/29/17 14:56	Lead	3.4	ug/l		UF	EPA200.8	SMP	0.16	0.5
BDD-SWSF-052917-C	5/29/17 14:56	Magnesium	5000	ug/l		UF	EPA200.8	SMP	30	100
BDD-SWSF-052917-C	5/29/17 14:56	Manganese	140	ug/l		UF	EPA200.8	SMP	0.6	2
BDD-SWSF-052917-C	5/29/17 14:56	Mercury	0.2	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-052917-C	5/29/17 14:56	Nickel	3.5	ug/l	J	UF	EPA200.8	SMP	1.9	5
BDD-SWSF-052917-C	5/29/17 14:56	Potassium	2700	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWSF-052917-C	5/29/17 14:56	Selenium	0.42	ug/l	J	UF	EPA200.8	SMP	0.3	1
BDD-SWSF-052917-C	5/29/17 14:56	Silver	0.04	ug/l	J	UF	EPA200.8	SMP	0.03	0.1
BDD-SWSF-052917-C	5/29/17 14:56	Sodium	9300	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWSF-052917-C	5/29/17 14:56	Thallium	0.2	ug/l	U	UF	EPA200.8	SMP	0.15	0.2
BDD-SWSF-052917-C	5/29/17 14:56	Uranium	0.93	ug/l		UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-052917-C	5/29/17 14:56	Vanadium	5.9	ug/l		UF	EPA200.8	SMP	0.3	1
BDD-SWSF-052917-C	5/29/17 14:56	Zinc	16	ug/l	J	UF	EPA200.8	SMP	6	20
BDD-SWSF-052917-D	5/29/17 15:12	Aluminum	6200	ug/l		UF	EPA200.8	SMP	15	50
BDD-SWSF-052917-D	5/29/17 15:12	Antimony	0.15	ug/l	J	UF	EPA200.8	SMP	0.09	0.3
BDD-SWSF-052917-D	5/29/17 15:12	Arsenic	2.2	ug/l		UF	EPA200.8	SMP	0.6	2
BDD-SWSF-052917-D	5/29/17 15:12	Barium	140	ug/l		UF	EPA200.8	SMP	0.6	1
BDD-SWSF-052917-D	5/29/17 15:12	Beryllium	0.44	ug/l	J	UF	EPA200.8	SMP	0.15	0.5
BDD-SWSF-052917-D	5/29/17 15:12	Boron	28	ug/l	J	UF	EPA200.8	SMP	15	50
BDD-SWSF-052917-D	5/29/17 15:12	Cadmium	0.22	ug/l	J	UF	EPA200.8	SMP	0.09	0.3
BDD-SWSF-052917-D	5/29/17 15:12	Calcium	32000	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWSF-052917-D	5/29/17 15:12	Chromium	3.6	ug/l	J	UF	EPA200.8	SMP	3	10
BDD-SWSF-052917-D	5/29/17 15:12	Cobalt	2.9	ug/l		UF	EPA200.8	SMP	0.3	1
BDD-SWSF-052917-D	5/29/17 15:12	Copper	8.1	ug/l	J	UF	EPA200.8	SMP	3	10
BDD-SWSF-052917-D	5/29/17 15:12	Iron	5400	ug/l		UF	EPA200.8	SMP	44	100
BDD-SWSF-052917-D	5/29/17 15:12	Lead	6.4	ug/l		UF	EPA200.8	SMP	0.16	0.5
BDD-SWSF-052917-D	5/29/17 15:12	Magnesium	6500	ug/l		UF	EPA200.8	SMP	30	100
BDD-SWSF-052917-D	5/29/17 15:12	Manganese	260	ug/l		UF	EPA200.8	SMP	0.6	2
BDD-SWSF-052917-D	5/29/17 15:12	Mercury	0.2	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-052917-D	5/29/17 15:12	Nickel	5.9	ug/l		UF	EPA200.8	SMP	1.9	5

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-052917-D	5/29/17 15:12	Potassium	3800	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWSF-052917-D	5/29/17 15:12	Selenium	1	ug/l		UF	EPA200.8	SMP	0.3	1
BDD-SWSF-052917-D	5/29/17 15:12	Silver	0.05	ug/l	J	UF	EPA200.8	SMP	0.03	0.1
BDD-SWSF-052917-D	5/29/17 15:12	Sodium	9200	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWSF-052917-D	5/29/17 15:12	Thallium	0.2	ug/l	U	UF	EPA200.8	SMP	0.15	0.2
BDD-SWSF-052917-D	5/29/17 15:12	Uranium	1.2	ug/l		UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-052917-D	5/29/17 15:12	Vanadium	11	ug/l		UF	EPA200.8	SMP	0.3	1
BDD-SWSF-052917-D	5/29/17 15:12	Zinc	27	ug/l		UF	EPA200.8	SMP	6	20
BDD-SWSF-052917-E	5/29/17 15:41	Aluminum	3900	ug/l		UF	EPA200.8	SMP	15	50
BDD-SWSF-052917-E	5/29/17 15:41	Antimony	0.13	ug/l	J	UF	EPA200.8	SMP	0.09	0.3
BDD-SWSF-052917-E	5/29/17 15:41	Arsenic	1.8	ug/l	J	UF	EPA200.8	SMP	0.6	2
BDD-SWSF-052917-E	5/29/17 15:41	Barium	110	ug/l		UF	EPA200.8	SMP	0.6	1
BDD-SWSF-052917-E	5/29/17 15:41	Beryllium	0.28	ug/l	J	UF	EPA200.8	SMP	0.15	0.5
BDD-SWSF-052917-E	5/29/17 15:41	Boron	25	ug/l	J	UF	EPA200.8	SMP	15	50
BDD-SWSF-052917-E	5/29/17 15:41	Cadmium	0.11	ug/l	J	UF	EPA200.8	SMP	0.09	0.3
BDD-SWSF-052917-E	5/29/17 15:41	Calcium	29000	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWSF-052917-E	5/29/17 15:41	Chromium	10	ug/l	U	UF	EPA200.8	SMP	3	10
BDD-SWSF-052917-E	5/29/17 15:41	Cobalt	2	ug/l		UF	EPA200.8	SMP	0.3	1
BDD-SWSF-052917-E	5/29/17 15:41	Copper	7.3	ug/l	J	UF	EPA200.8	SMP	3	10
BDD-SWSF-052917-E	5/29/17 15:41	Iron	3700	ug/l		UF	EPA200.8	SMP	44	100
BDD-SWSF-052917-E	5/29/17 15:41	Lead	4.2	ug/l		UF	EPA200.8	SMP	0.16	0.5
BDD-SWSF-052917-E	5/29/17 15:41	Magnesium	5600	ug/l		UF	EPA200.8	SMP	30	100
BDD-SWSF-052917-E	5/29/17 15:41	Manganese	180	ug/l		UF	EPA200.8	SMP	0.6	2
BDD-SWSF-052917-E	5/29/17 15:41	Mercury	0.2	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-052917-E	5/29/17 15:41	Nickel	4.2	ug/l	J	UF	EPA200.8	SMP	1.9	5
BDD-SWSF-052917-E	5/29/17 15:41	Potassium	3100	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWSF-052917-E	5/29/17 15:41	Selenium	0.44	ug/l	J	UF	EPA200.8	SMP	0.3	1
BDD-SWSF-052917-E	5/29/17 15:41	Silver	0.1	ug/l	U	UF	EPA200.8	SMP	0.03	0.1
BDD-SWSF-052917-E	5/29/17 15:41	Sodium	9000	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWSF-052917-E	5/29/17 15:41	Thallium	0.2	ug/l	U	UF	EPA200.8	SMP	0.15	0.2
BDD-SWSF-052917-E	5/29/17 15:41	Uranium	1.1	ug/l		UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-052917-E	5/29/17 15:41	Vanadium	8.1	ug/l		UF	EPA200.8	SMP	0.3	1
BDD-SWSF-052917-E	5/29/17 15:41	Zinc	20	ug/l		UF	EPA200.8	SMP	6	20
BDD-SWBF-070517-A	7/5/17 9:45	Aluminum	560	ug/l		UF	EPA200.8	SMP	15	50
BDD-SWBF-070517-A-F	7/5/17 9:45	Aluminum	60	ug/l		F	EPA200.8	SMP	15	50
BDD-SWBF-070517-A	7/5/17 9:45	Antimony	0.09	ug/l	U	UF	EPA200.8	SMP	0.09	0.3
BDD-SWBF-070517-A-F	7/5/17 9:45	Antimony	0.21	ug/l	J	F	EPA200.8	SMP	0.09	0.3
BDD-SWBF-070517-A	7/5/17 9:45	Arsenic	1.6	ug/l	J	UF	EPA200.8	SMP	0.6	2
BDD-SWBF-070517-A-F	7/5/17 9:45	Arsenic	1.5	ug/l	J	F	EPA200.8	SMP	0.6	2
BDD-SWBF-070517-A	7/5/17 9:45	Barium	54	ug/l		UF	EPA200.8	SMP	0.6	1
BDD-SWBF-070517-A-F	7/5/17 9:45	Barium	47	ug/l		F	EPA200.8	SMP	0.6	1
BDD-SWBF-070517-A	7/5/17 9:45	Beryllium	0.15	ug/l	U	UF	EPA200.8	SMP	0.15	0.5
BDD-SWBF-070517-A-F	7/5/17 9:45	Beryllium	0.15	ug/l	U	F	EPA200.8	SMP	0.15	0.5
BDD-SWBF-070517-A	7/5/17 9:45	Boron	39	ug/l	J	UF	EPA200.8	SMP	15	50
BDD-SWBF-070517-A-F	7/5/17 9:45	Boron	38	ug/l	J	F	EPA200.8	SMP	15	50
BDD-SWBF-070517-A	7/5/17 9:45	Cadmium	0.09	ug/l	U	UF	EPA200.8	SMP	0.09	0.3
BDD-SWBF-070517-A-F	7/5/17 9:45	Cadmium	0.09	ug/l	U	F	EPA200.8	SMP	0.09	0.3
BDD-SWBF-070517-A	7/5/17 9:45	Calcium	32000	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWBF-070517-A-F	7/5/17 9:45	Calcium	31000	ug/l		F	EPA200.8	SMP	300	1000
BDD-SWBF-070517-A	7/5/17 9:45	Chromium	3	ug/l	U	UF	EPA200.8	SMP	3	10
BDD-SWBF-070517-A-F	7/5/17 9:45	Chromium	3	ug/l	U	F	EPA200.8	SMP	3	10
BDD-SWBF-070517-A	7/5/17 9:45	Cobalt	0.31	ug/l	J	UF	EPA200.8	SMP	0.3	1
BDD-SWBF-070517-A-F	7/5/17 9:45	Cobalt	0.32	ug/l	J	F	EPA200.8	SMP	0.3	1
BDD-SWBF-070517-A	7/5/17 9:45	Copper	5.2	ug/l	J	UF	EPA200.8	SMP	3	10
BDD-SWBF-070517-A-F	7/5/17 9:45	Copper	3.2	ug/l	J	F	EPA200.8	SMP	3	10
BDD-SWBF-070517-A	7/5/17 9:45	Iron	570	ug/l		UF	EPA200.8	SMP	44	100

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWBF-070517-A-F	7/5/17 9:45	Iron	44	ug/l	U	F	EPA200.8	SMP	44	100
BDD-SWBF-070517-A	7/5/17 9:45	Lead	0.92	ug/l		UF	EPA200.8	SMP	0.16	0.5
BDD-SWBF-070517-A-F	7/5/17 9:45	Lead	0.16	ug/l	U	F	EPA200.8	SMP	0.16	0.5
BDD-SWBF-070517-A	7/5/17 9:45	Magnesium	5800	ug/l		UF	EPA200.8	SMP	30	100
BDD-SWBF-070517-A-F	7/5/17 9:45	Magnesium	5500	ug/l		F	EPA200.8	SMP	30	100
BDD-SWBF-070517-A	7/5/17 9:45	Manganese	52	ug/l		UF	EPA200.8	SMP	0.6	2
BDD-SWBF-070517-A-F	7/5/17 9:45	Manganese	1.7	ug/l	J	F	EPA200.8	SMP	0.6	2
BDD-SWBF-070517-A	7/5/17 9:45	Mercury	0.06	ug/l	U	UF	EPA245.1	DUP	0.06	0.2
BDD-SWBF-070517-A	7/5/17 9:45	Mercury	0.06	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWBF-070517-A-F	7/5/17 9:45	Mercury	0.06	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWBF-070517-A	7/5/17 9:45	Nickel	1.9	ug/l	U	UF	EPA200.8	SMP	1.9	5
BDD-SWBF-070517-A-F	7/5/17 9:45	Nickel	1.9	ug/l	U	F	EPA200.8	SMP	1.9	5
BDD-SWBF-070517-A	7/5/17 9:45	Potassium	2400	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWBF-070517-A-F	7/5/17 9:45	Potassium	2300	ug/l		F	EPA200.8	SMP	300	1000
BDD-SWBF-070517-A	7/5/17 9:45	Selenium	0.3	ug/l	U	UF	EPA200.8	SMP	0.3	1
BDD-SWBF-070517-A-F	7/5/17 9:45	Selenium	0.3	ug/l	U	F	EPA200.8	SMP	0.3	1
BDD-SWBF-070517-A	7/5/17 9:45	Silver	0.03	ug/l	U	UF	EPA200.8	SMP	0.03	0.1
BDD-SWBF-070517-A-F	7/5/17 9:45	Silver	0.03	ug/l	U	F	EPA200.8	SMP	0.03	0.1
BDD-SWBF-070517-A	7/5/17 9:45	Sodium	14000	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWBF-070517-A-F	7/5/17 9:45	Sodium	14000	ug/l		F	EPA200.8	SMP	300	1000
BDD-SWBF-070517-A	7/5/17 9:45	Thallium	0.15	ug/l	U	UF	EPA200.8	SMP	0.15	0.2
BDD-SWBF-070517-A-F	7/5/17 9:45	Thallium	0.15	ug/l	U	F	EPA200.8	SMP	0.15	0.2
BDD-SWBF-070517-A	7/5/17 9:45	Uranium	1.2	ug/l		UF	EPA200.8	SMP	0.038	0.1
BDD-SWBF-070517-A-F	7/5/17 9:45	Uranium	1.2	ug/l		F	EPA200.8	SMP	0.038	0.1
BDD-SWBF-070517-A	7/5/17 9:45	Vanadium	3.8	ug/l		UF	EPA200.8	SMP	0.3	1
BDD-SWBF-070517-A-F	7/5/17 9:45	Vanadium	3	ug/l		F	EPA200.8	SMP	0.3	1
BDD-SWBF-070517-A	7/5/17 9:45	Zinc	6	ug/l	J	UF	EPA200.8	SMP	6	20
BDD-SWBF-070517-A-F	7/5/17 9:45	Zinc	6	ug/l	U	F	EPA200.8	SMP	6	20
BDD-SWSF-072717-A	7/27/17 1:29	Aluminum	4600	ug/l		UF	EPA200.8	SMP	15	50
BDD-SWSF-072717-A	7/27/17 1:29	Aluminum	4260	ug/l		UF	EPA200.8	DUP	15	50
BDD-SWSF-072717-A-F	7/27/17 1:29	Aluminum	90	ug/l		F	EPA200.8	SMP	15	50
BDD-SWSF-072717-A	7/27/17 1:29	Antimony	0.99	ug/l		UF	EPA200.8	SMP	0.09	0.3
BDD-SWSF-072717-A	7/27/17 1:29	Antimony	0.12	ug/l	J	UF	EPA200.8	DUP	0.09	0.3
BDD-SWSF-072717-A-F	7/27/17 1:29	Antimony	0.37	ug/l		F	EPA200.8	SMP	0.09	0.3
BDD-SWSF-072717-A	7/27/17 1:29	Arsenic	2.5	ug/l		UF	EPA200.8	SMP	0.6	2
BDD-SWSF-072717-A	7/27/17 1:29	Arsenic	2.23	ug/l		UF	EPA200.8	DUP	0.6	2
BDD-SWSF-072717-A-F	7/27/17 1:29	Arsenic	1.4	ug/l	J	F	EPA200.8	SMP	0.6	2
BDD-SWSF-072717-A	7/27/17 1:29	Barium	169	ug/l		UF	EPA200.8	DUP	0.6	1
BDD-SWSF-072717-A	7/27/17 1:29	Barium	170	ug/l		UF	EPA200.8	SMP	0.6	1
BDD-SWSF-072717-A-F	7/27/17 1:29	Barium	68	ug/l		F	EPA200.8	SMP	0.6	1
BDD-SWSF-072717-A	7/27/17 1:29	Beryllium	0.3	ug/l	J	UF	EPA200.8	DUP	0.15	0.5
BDD-SWSF-072717-A	7/27/17 1:29	Beryllium	0.3	ug/l	J	UF	EPA200.8	SMP	0.15	0.5
BDD-SWSF-072717-A-F	7/27/17 1:29	Beryllium	0.15	ug/l	U	F	EPA200.8	SMP	0.15	0.5
BDD-SWSF-072717-A	7/27/17 1:29	Boron	27.6	ug/l	J	UF	EPA200.8	DUP	15	50
BDD-SWSF-072717-A	7/27/17 1:29	Boron	30	ug/l	J	UF	EPA200.8	SMP	15	50
BDD-SWSF-072717-A-F	7/27/17 1:29	Boron	25	ug/l	J	F	EPA200.8	SMP	15	50
BDD-SWSF-072717-A	7/27/17 1:29	Cadmium	0.1	ug/l	J	UF	EPA200.8	SMP	0.09	0.3
BDD-SWSF-072717-A	7/27/17 1:29	Cadmium	0.09	ug/l	U	UF	EPA200.8	DUP	0.09	0.3
BDD-SWSF-072717-A-F	7/27/17 1:29	Cadmium	0.09	ug/l	U	F	EPA200.8	SMP	0.09	0.3
BDD-SWSF-072717-A	7/27/17 1:29	Calcium	40000	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWSF-072717-A	7/27/17 1:29	Calcium	39000	ug/l		UF	EPA200.8	DUP	300	1000
BDD-SWSF-072717-A-F	7/27/17 1:29	Calcium	31000	ug/l		F	EPA200.8	SMP	300	1000
BDD-SWSF-072717-A	7/27/17 1:29	Chromium	3	ug/l	U	UF	EPA200.8	SMP	3	10
BDD-SWSF-072717-A	7/27/17 1:29	Chromium	3	ug/l	U	UF	EPA200.8	DUP	3	10
BDD-SWSF-072717-A-F	7/27/17 1:29	Chromium	3	ug/l	U	F	EPA200.8	SMP	3	10
BDD-SWSF-072717-A	7/27/17 1:29	Cobalt	2.4	ug/l		UF	EPA200.8	SMP	0.3	1

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-072717-A	7/27/17 1:29	Cobalt	2.39	ug/l		UF	EPA200.8	DUP	0.3	1
BDD-SWSF-072717-A-F	7/27/17 1:29	Cobalt	0.81	ug/l	J	F	EPA200.8	SMP	0.3	1
BDD-SWSF-072717-A	7/27/17 1:29	Copper	5.6	ug/l	J	UF	EPA200.8	SMP	3	10
BDD-SWSF-072717-A	7/27/17 1:29	Copper	10.9	ug/l		UF	EPA200.8	DUP	3	10
BDD-SWSF-072717-A-F	7/27/17 1:29	Copper	3	ug/l	U	F	EPA200.8	SMP	3	10
BDD-SWSF-072717-A	7/27/17 1:29	Iron	2810	ug/l		UF	EPA200.8	DUP	44	100
BDD-SWSF-072717-A	7/27/17 1:29	Iron	3100	ug/l		UF	EPA200.8	SMP	44	100
BDD-SWSF-072717-A-F	7/27/17 1:29	Iron	66	ug/l	J	F	EPA200.8	SMP	44	100
BDD-SWSF-072717-A	7/27/17 1:29	Lead	3.48	ug/l		UF	EPA200.8	DUP	0.16	0.5
BDD-SWSF-072717-A	7/27/17 1:29	Lead	4	ug/l		UF	EPA200.8	SMP	0.16	0.5
BDD-SWSF-072717-A-F	7/27/17 1:29	Lead	0.16	ug/l	U	F	EPA200.8	SMP	0.16	0.5
BDD-SWSF-072717-A	7/27/17 1:29	Magnesium	7070	ug/l		UF	EPA200.8	DUP	30	100
BDD-SWSF-072717-A	7/27/17 1:29	Magnesium	7500	ug/l		UF	EPA200.8	SMP	30	100
BDD-SWSF-072717-A-F	7/27/17 1:29	Magnesium	5300	ug/l		F	EPA200.8	SMP	30	100
BDD-SWSF-072717-A	7/27/17 1:29	Manganese	181	ug/l		UF	EPA200.8	DUP	0.6	2
BDD-SWSF-072717-A	7/27/17 1:29	Manganese	180	ug/l		UF	EPA200.8	SMP	0.6	2
BDD-SWSF-072717-A-F	7/27/17 1:29	Manganese	3.7	ug/l		F	EPA200.8	SMP	0.6	2
BDD-SWSF-072717-A	7/27/17 1:29	Mercury	0.06	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-072717-A-F	7/27/17 1:29	Mercury	0.06	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-072717-A	7/27/17 1:29	Nickel	4.1	ug/l	J	UF	EPA200.8	SMP	1.9	5
BDD-SWSF-072717-A	7/27/17 1:29	Nickel	3.45	ug/l	J	UF	EPA200.8	DUP	1.9	5
BDD-SWSF-072717-A-F	7/27/17 1:29	Nickel	1.9	ug/l	U	F	EPA200.8	SMP	1.9	5
BDD-SWSF-072717-A	7/27/17 1:29	Potassium	2970	ug/l		UF	EPA200.8	DUP	300	1000
BDD-SWSF-072717-A	7/27/17 1:29	Potassium	3200	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWSF-072717-A-F	7/27/17 1:29	Potassium	2100	ug/l		F	EPA200.8	SMP	300	1000
BDD-SWSF-072717-A	7/27/17 1:29	Selenium	0.3	ug/l	U	UF	EPA200.8	DUP	0.3	1
BDD-SWSF-072717-A	7/27/17 1:29	Selenium	0.44	ug/l	J	UF	EPA200.8	SMP	0.3	1
BDD-SWSF-072717-A-F	7/27/17 1:29	Selenium	0.3	ug/l	U	F	EPA200.8	SMP	0.3	1
BDD-SWSF-072717-A	7/27/17 1:29	Silver	0.03	ug/l	U	UF	EPA200.8	SMP	0.03	0.1
BDD-SWSF-072717-A	7/27/17 1:29	Silver	0.03	ug/l	U	UF	EPA200.8	DUP	0.03	0.1
BDD-SWSF-072717-A-F	7/27/17 1:29	Silver	0.03	ug/l	U	F	EPA200.8	SMP	0.03	0.1
BDD-SWSF-072717-A	7/27/17 1:29	Sodium	11000	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWSF-072717-A	7/27/17 1:29	Sodium	10900	ug/l		UF	EPA200.8	DUP	300	1000
BDD-SWSF-072717-A-F	7/27/17 1:29	Sodium	11000	ug/l		F	EPA200.8	SMP	300	1000
BDD-SWSF-072717-A	7/27/17 1:29	Thallium	0.15	ug/l	U	UF	EPA200.8	DUP	0.15	0.2
BDD-SWSF-072717-A	7/27/17 1:29	Thallium	0.15	ug/l	U	UF	EPA200.8	SMP	0.15	0.2
BDD-SWSF-072717-A-F	7/27/17 1:29	Thallium	0.15	ug/l	U	F	EPA200.8	SMP	0.15	0.2
BDD-SWSF-072717-A	7/27/17 1:29	Uranium	1.4	ug/l		UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-072717-A	7/27/17 1:29	Uranium	1.47	ug/l		UF	EPA200.8	DUP	0.038	0.1
BDD-SWSF-072717-A-F	7/27/17 1:29	Uranium	1.2	ug/l		F	EPA200.8	SMP	0.038	0.1
BDD-SWSF-072717-A	7/27/17 1:29	Vanadium	9.46	ug/l		UF	EPA200.8	DUP	0.3	1
BDD-SWSF-072717-A	7/27/17 1:29	Vanadium	9.8	ug/l		UF	EPA200.8	SMP	0.3	1
BDD-SWSF-072717-A-F	7/27/17 1:29	Vanadium	3.9	ug/l		F	EPA200.8	SMP	0.3	1
BDD-SWSF-072717-A	7/27/17 1:29	Zinc	12.4	ug/l	J	UF	EPA200.8	DUP	6	20
BDD-SWSF-072717-A	7/27/17 1:29	Zinc	270	ug/l		UF	EPA200.8	SMP	6	20
BDD-SWSF-072717-A-F	7/27/17 1:29	Zinc	11	ug/l	J	F	EPA200.8	SMP	6	20
BDD-SWSF-072717-B	7/27/17 1:59	Aluminum	4050	ug/l		UF	EPA200.8	DUP	15	50
BDD-SWSF-072717-B	7/27/17 1:59	Aluminum	3900	ug/l		UF	EPA200.8	SMP	15	50
BDD-SWSF-072717-B-F	7/27/17 1:59	Aluminum	160	ug/l		F	EPA200.8	SMP	15	50
BDD-SWSF-072717-B	7/27/17 1:59	Antimony	0.13	ug/l	J	UF	EPA200.8	SMP	0.09	0.3
BDD-SWSF-072717-B	7/27/17 1:59	Antimony	0.55	ug/l		UF	EPA200.8	DUP	0.09	0.3
BDD-SWSF-072717-B-F	7/27/17 1:59	Antimony	0.44	ug/l		F	EPA200.8	SMP	0.09	0.3
BDD-SWSF-072717-B	7/27/17 1:59	Arsenic	2.33	ug/l		UF	EPA200.8	DUP	0.6	2
BDD-SWSF-072717-B	7/27/17 1:59	Arsenic	2.6	ug/l		UF	EPA200.8	SMP	0.6	2
BDD-SWSF-072717-B-F	7/27/17 1:59	Arsenic	1.7	ug/l	J	F	EPA200.8	SMP	0.6	2
BDD-SWSF-072717-B	7/27/17 1:59	Barium	153	ug/l		UF	EPA200.8	DUP	0.6	1

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-072717-B	7/27/17 1:59	Barium	150	ug/l		UF	EPA200.8	SMP	0.6	1
BDD-SWSF-072717-B-F	7/27/17 1:59	Barium	84	ug/l		F	EPA200.8	SMP	0.6	1
BDD-SWSF-072717-B	7/27/17 1:59	Beryllium	0.29	ug/l	J	UF	EPA200.8	SMP	0.15	0.5
BDD-SWSF-072717-B	7/27/17 1:59	Beryllium	0.26	ug/l	J	UF	EPA200.8	DUP	0.15	0.5
BDD-SWSF-072717-B-F	7/27/17 1:59	Beryllium	0.15	ug/l	U	F	EPA200.8	SMP	0.15	0.5
BDD-SWSF-072717-B	7/27/17 1:59	Boron	38.4	ug/l	J	UF	EPA200.8	DUP	15	50
BDD-SWSF-072717-B	7/27/17 1:59	Boron	48	ug/l	J	UF	EPA200.8	SMP	15	50
BDD-SWSF-072717-B-F	7/27/17 1:59	Boron	23	ug/l	J	F	EPA200.8	SMP	15	50
BDD-SWSF-072717-B	7/27/17 1:59	Cadmium	0.09	ug/l	U	UF	EPA200.8	DUP	0.09	0.3
BDD-SWSF-072717-B	7/27/17 1:59	Cadmium	0.09	ug/l	U	UF	EPA200.8	SMP	0.09	0.3
BDD-SWSF-072717-B-F	7/27/17 1:59	Cadmium	0.09	ug/l	U	F	EPA200.8	SMP	0.09	0.3
BDD-SWSF-072717-B	7/27/17 1:59	Calcium	39100	ug/l		UF	EPA200.8	DUP	300	1000
BDD-SWSF-072717-B	7/27/17 1:59	Calcium	38000	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWSF-072717-B-F	7/27/17 1:59	Calcium	37000	ug/l		F	EPA200.8	SMP	300	1000
BDD-SWSF-072717-B	7/27/17 1:59	Chromium	3	ug/l	U	UF	EPA200.8	SMP	3	10
BDD-SWSF-072717-B	7/27/17 1:59	Chromium	3	ug/l	U	UF	EPA200.8	DUP	3	10
BDD-SWSF-072717-B-F	7/27/17 1:59	Chromium	3	ug/l	U	F	EPA200.8	SMP	3	10
BDD-SWSF-072717-B	7/27/17 1:59	Cobalt	1.99	ug/l		UF	EPA200.8	DUP	0.3	1
BDD-SWSF-072717-B	7/27/17 1:59	Cobalt	2	ug/l		UF	EPA200.8	SMP	0.3	1
BDD-SWSF-072717-B-F	7/27/17 1:59	Cobalt	0.89	ug/l	J	F	EPA200.8	SMP	0.3	1
BDD-SWSF-072717-B	7/27/17 1:59	Copper	6.44	ug/l	J	UF	EPA200.8	DUP	3	10
BDD-SWSF-072717-B	7/27/17 1:59	Copper	6.7	ug/l	J	UF	EPA200.8	SMP	3	10
BDD-SWSF-072717-B-F	7/27/17 1:59	Copper	8.8	ug/l	J	F	EPA200.8	SMP	3	10
BDD-SWSF-072717-B	7/27/17 1:59	Iron	2480	ug/l		UF	EPA200.8	DUP	44	100
BDD-SWSF-072717-B	7/27/17 1:59	Iron	2300	ug/l		UF	EPA200.8	SMP	44	100
BDD-SWSF-072717-B-F	7/27/17 1:59	Iron	72	ug/l	J	F	EPA200.8	SMP	44	100
BDD-SWSF-072717-B	7/27/17 1:59	Lead	3.19	ug/l		UF	EPA200.8	DUP	0.16	0.5
BDD-SWSF-072717-B	7/27/17 1:59	Lead	3.1	ug/l		UF	EPA200.8	SMP	0.16	0.5
BDD-SWSF-072717-B-F	7/27/17 1:59	Lead	0.69	ug/l		F	EPA200.8	SMP	0.16	0.5
BDD-SWSF-072717-B	7/27/17 1:59	Magnesium	7000	ug/l		UF	EPA200.8	SMP	30	100
BDD-SWSF-072717-B	7/27/17 1:59	Magnesium	7200	ug/l		UF	EPA200.8	DUP	30	100
BDD-SWSF-072717-B-F	7/27/17 1:59	Magnesium	5500	ug/l		F	EPA200.8	SMP	30	100
BDD-SWSF-072717-B	7/27/17 1:59	Manganese	150	ug/l		UF	EPA200.8	SMP	0.6	2
BDD-SWSF-072717-B	7/27/17 1:59	Manganese	159	ug/l		UF	EPA200.8	DUP	0.6	2
BDD-SWSF-072717-B-F	7/27/17 1:59	Manganese	44	ug/l		F	EPA200.8	SMP	0.6	2
BDD-SWSF-072717-B	7/27/17 1:59	Mercury	0.06	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-072717-B-F	7/27/17 1:59	Mercury	0.06	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-072717-B	7/27/17 1:59	Nickel	3.05	ug/l	J	UF	EPA200.8	DUP	1.9	5
BDD-SWSF-072717-B	7/27/17 1:59	Nickel	4.1	ug/l	J	UF	EPA200.8	SMP	1.9	5
BDD-SWSF-072717-B-F	7/27/17 1:59	Nickel	1.9	ug/l	U	F	EPA200.8	SMP	1.9	5
BDD-SWSF-072717-B	7/27/17 1:59	Potassium	2900	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWSF-072717-B	7/27/17 1:59	Potassium	2910	ug/l		UF	EPA200.8	DUP	300	1000
BDD-SWSF-072717-B-F	7/27/17 1:59	Potassium	2000	ug/l		F	EPA200.8	SMP	300	1000
BDD-SWSF-072717-B	7/27/17 1:59	Selenium	0.3	ug/l	U	UF	EPA200.8	SMP	0.3	1
BDD-SWSF-072717-B	7/27/17 1:59	Selenium	0.5	ug/l	J	UF	EPA200.8	DUP	0.3	1
BDD-SWSF-072717-B-F	7/27/17 1:59	Selenium	0.3	ug/l	U	F	EPA200.8	SMP	0.3	1
BDD-SWSF-072717-B	7/27/17 1:59	Silver	0.04	ug/l	J	UF	EPA200.8	DUP	0.03	0.1
BDD-SWSF-072717-B	7/27/17 1:59	Silver	0.04	ug/l	J	UF	EPA200.8	SMP	0.03	0.1
BDD-SWSF-072717-B-F	7/27/17 1:59	Silver	0.03	ug/l	U	F	EPA200.8	SMP	0.03	0.1
BDD-SWSF-072717-B	7/27/17 1:59	Sodium	11400	ug/l		UF	EPA200.8	DUP	300	1000
BDD-SWSF-072717-B	7/27/17 1:59	Sodium	11000	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWSF-072717-B-F	7/27/17 1:59	Sodium	11000	ug/l		F	EPA200.8	SMP	300	1000
BDD-SWSF-072717-B	7/27/17 1:59	Thallium	0.15	ug/l	U	UF	EPA200.8	SMP	0.15	0.2
BDD-SWSF-072717-B	7/27/17 1:59	Thallium	0.15	ug/l	U	UF	EPA200.8	DUP	0.15	0.2
BDD-SWSF-072717-B-F	7/27/17 1:59	Thallium	0.15	ug/l	U	F	EPA200.8	SMP	0.15	0.2
BDD-SWSF-072717-B	7/27/17 1:59	Uranium	1.4	ug/l		UF	EPA200.8	DUP	0.038	0.1

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-072717-B	7/27/17 1:59	Uranium	1.4	ug/l		UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-072717-B-F	7/27/17 1:59	Uranium	1.1	ug/l		F	EPA200.8	SMP	0.038	0.1
BDD-SWSF-072717-B	7/27/17 1:59	Vanadium	8.5	ug/l		UF	EPA200.8	SMP	0.3	1
BDD-SWSF-072717-B	7/27/17 1:59	Vanadium	8.77	ug/l		UF	EPA200.8	DUP	0.3	1
BDD-SWSF-072717-B-F	7/27/17 1:59	Vanadium	4	ug/l		F	EPA200.8	SMP	0.3	1
BDD-SWSF-072717-B	7/27/17 1:59	Zinc	21.2	ug/l		UF	EPA200.8	DUP	6	20
BDD-SWSF-072717-B	7/27/17 1:59	Zinc	11	ug/l	J	UF	EPA200.8	SMP	6	20
BDD-SWSF-072717-B-F	7/27/17 1:59	Zinc	6	ug/l	U	F	EPA200.8	SMP	6	20
BDD-SWSF-072717-C	7/27/17 2:29	Aluminum	3700	ug/l		UF	EPA200.8	SMP	15	50
BDD-SWSF-072717-C-F	7/27/17 2:29	Aluminum	64	ug/l		F	EPA200.8	SMP	15	50
BDD-SWSF-072717-C	7/27/17 2:29	Antimony	0.13	ug/l	J	UF	EPA200.8	SMP	0.09	0.3
BDD-SWSF-072717-C-F	7/27/17 2:29	Antimony	0.75	ug/l		F	EPA200.8	SMP	0.09	0.3
BDD-SWSF-072717-C	7/27/17 2:29	Arsenic	2.2	ug/l		UF	EPA200.8	SMP	0.6	2
BDD-SWSF-072717-C-F	7/27/17 2:29	Arsenic	1.6	ug/l	J	F	EPA200.8	SMP	0.6	2
BDD-SWSF-072717-C	7/27/17 2:29	Barium	150	ug/l		UF	EPA200.8	SMP	0.6	1
BDD-SWSF-072717-C-F	7/27/17 2:29	Barium	67	ug/l		F	EPA200.8	SMP	0.6	1
BDD-SWSF-072717-C	7/27/17 2:29	Beryllium	0.22	ug/l	J	UF	EPA200.8	SMP	0.15	0.5
BDD-SWSF-072717-C-F	7/27/17 2:29	Beryllium	0.15	ug/l	U	F	EPA200.8	SMP	0.15	0.5
BDD-SWSF-072717-C	7/27/17 2:29	Boron	46	ug/l	J	UF	EPA200.8	SMP	15	50
BDD-SWSF-072717-C-F	7/27/17 2:29	Boron	22	ug/l	J	F	EPA200.8	SMP	15	50
BDD-SWSF-072717-C	7/27/17 2:29	Cadmium	0.09	ug/l	U	UF	EPA200.8	SMP	0.09	0.3
BDD-SWSF-072717-C-F	7/27/17 2:29	Cadmium	0.09	ug/l	U	F	EPA200.8	SMP	0.09	0.3
BDD-SWSF-072717-C	7/27/17 2:29	Calcium	37000	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWSF-072717-C-F	7/27/17 2:29	Calcium	31000	ug/l		F	EPA200.8	SMP	300	1000
BDD-SWSF-072717-C	7/27/17 2:29	Chromium	3	ug/l	U	UF	EPA200.8	SMP	3	10
BDD-SWSF-072717-C-F	7/27/17 2:29	Chromium	3	ug/l	U	F	EPA200.8	SMP	3	10
BDD-SWSF-072717-C	7/27/17 2:29	Cobalt	1.8	ug/l		UF	EPA200.8	SMP	0.3	1
BDD-SWSF-072717-C-F	7/27/17 2:29	Cobalt	0.7	ug/l	J	F	EPA200.8	SMP	0.3	1
BDD-SWSF-072717-C	7/27/17 2:29	Copper	5.8	ug/l	J	UF	EPA200.8	SMP	3	10
BDD-SWSF-072717-C-F	7/27/17 2:29	Copper	3	ug/l	U	F	EPA200.8	SMP	3	10
BDD-SWSF-072717-C	7/27/17 2:29	Iron	2300	ug/l		UF	EPA200.8	SMP	44	100
BDD-SWSF-072717-C-F	7/27/17 2:29	Iron	45	ug/l	J	F	EPA200.8	SMP	44	100
BDD-SWSF-072717-C	7/27/17 2:29	Lead	3.4	ug/l		UF	EPA200.8	SMP	0.16	0.5
BDD-SWSF-072717-C-F	7/27/17 2:29	Lead	0.16	ug/l	U	F	EPA200.8	SMP	0.16	0.5
BDD-SWSF-072717-C	7/27/17 2:29	Magnesium	6800	ug/l		UF	EPA200.8	SMP	30	100
BDD-SWSF-072717-C-F	7/27/17 2:29	Magnesium	5400	ug/l		F	EPA200.8	SMP	30	100
BDD-SWSF-072717-C	7/27/17 2:29	Manganese	140	ug/l		UF	EPA200.8	SMP	0.6	2
BDD-SWSF-072717-C-F	7/27/17 2:29	Manganese	2	ug/l		F	EPA200.8	SMP	0.6	2
BDD-SWSF-072717-C	7/27/17 2:29	Mercury	0.06	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-072717-C-F	7/27/17 2:29	Mercury	0.06	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-072717-C	7/27/17 2:29	Nickel	3.3	ug/l	J	UF	EPA200.8	SMP	1.9	5
BDD-SWSF-072717-C-F	7/27/17 2:29	Nickel	1.9	ug/l	U	F	EPA200.8	SMP	1.9	5
BDD-SWSF-072717-C	7/27/17 2:29	Potassium	2800	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWSF-072717-C-F	7/27/17 2:29	Potassium	2100	ug/l		F	EPA200.8	SMP	300	1000
BDD-SWSF-072717-C	7/27/17 2:29	Selenium	0.3	ug/l	U	UF	EPA200.8	SMP	0.3	1
BDD-SWSF-072717-C-F	7/27/17 2:29	Selenium	0.3	ug/l	U	F	EPA200.8	SMP	0.3	1
BDD-SWSF-072717-C	7/27/17 2:29	Silver	0.03	ug/l	U	UF	EPA200.8	SMP	0.03	0.1
BDD-SWSF-072717-C-F	7/27/17 2:29	Silver	0.03	ug/l	U	F	EPA200.8	SMP	0.03	0.1
BDD-SWSF-072717-C	7/27/17 2:29	Sodium	11000	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWSF-072717-C-F	7/27/17 2:29	Sodium	11000	ug/l		F	EPA200.8	SMP	300	1000
BDD-SWSF-072717-C	7/27/17 2:29	Thallium	0.15	ug/l	U	UF	EPA200.8	SMP	0.15	0.2
BDD-SWSF-072717-C-F	7/27/17 2:29	Thallium	0.15	ug/l	U	F	EPA200.8	SMP	0.15	0.2
BDD-SWSF-072717-C	7/27/17 2:29	Uranium	1.3	ug/l		UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-072717-C-F	7/27/17 2:29	Uranium	1.2	ug/l		F	EPA200.8	SMP	0.038	0.1
BDD-SWSF-072717-C	7/27/17 2:29	Vanadium	8.3	ug/l		UF	EPA200.8	SMP	0.3	1
BDD-SWSF-072717-C-F	7/27/17 2:29	Vanadium	3.7	ug/l		F	EPA200.8	SMP	0.3	1

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-072717-C	7/27/17 2:29	Zinc	8.1	ug/l	J	UF	EPA200.8	SMP	6	20
BDD-SWSF-072717-C-F	7/27/17 2:29	Zinc	380	ug/l		F	EPA200.8	SMP	6	20
BDD-SWSF-072717-D	7/27/17 3:15	Aluminum	4500	ug/l		UF	EPA200.8	SMP	15	50
BDD-SWSF-072717-D-F	7/27/17 3:15	Aluminum	58	ug/l		F	EPA200.8	SMP	15	50
BDD-SWSF-072717-D	7/27/17 3:15	Antimony	0.1	ug/l	J	UF	EPA200.8	SMP	0.09	0.3
BDD-SWSF-072717-D-F	7/27/17 3:15	Antimony	0.27	ug/l	J	F	EPA200.8	SMP	0.09	0.3
BDD-SWSF-072717-D	7/27/17 3:15	Arsenic	2.5	ug/l		UF	EPA200.8	SMP	0.6	2
BDD-SWSF-072717-D-F	7/27/17 3:15	Arsenic	1.5	ug/l	J	F	EPA200.8	SMP	0.6	2
BDD-SWSF-072717-D	7/27/17 3:15	Barium	160	ug/l		UF	EPA200.8	SMP	0.6	1
BDD-SWSF-072717-D-F	7/27/17 3:15	Barium	65	ug/l		F	EPA200.8	SMP	0.6	1
BDD-SWSF-072717-D	7/27/17 3:15	Beryllium	0.33	ug/l	J	UF	EPA200.8	SMP	0.15	0.5
BDD-SWSF-072717-D-F	7/27/17 3:15	Beryllium	0.15	ug/l	U	F	EPA200.8	SMP	0.15	0.5
BDD-SWSF-072717-D	7/27/17 3:15	Boron	37	ug/l	J	UF	EPA200.8	SMP	15	50
BDD-SWSF-072717-D-F	7/27/17 3:15	Boron	20	ug/l	J	F	EPA200.8	SMP	15	50
BDD-SWSF-072717-D	7/27/17 3:15	Cadmium	0.09	ug/l	U	UF	EPA200.8	SMP	0.09	0.3
BDD-SWSF-072717-D-F	7/27/17 3:15	Cadmium	0.09	ug/l	U	F	EPA200.8	SMP	0.09	0.3
BDD-SWSF-072717-D	7/27/17 3:15	Calcium	39000	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWSF-072717-D-F	7/27/17 3:15	Calcium	31000	ug/l		F	EPA200.8	SMP	300	1000
BDD-SWSF-072717-D	7/27/17 3:15	Chromium	3	ug/l	U	UF	EPA200.8	SMP	3	10
BDD-SWSF-072717-D-F	7/27/17 3:15	Chromium	3	ug/l	U	F	EPA200.8	SMP	3	10
BDD-SWSF-072717-D	7/27/17 3:15	Cobalt	2.3	ug/l		UF	EPA200.8	SMP	0.3	1
BDD-SWSF-072717-D-F	7/27/17 3:15	Cobalt	0.42	ug/l	J	F	EPA200.8	SMP	0.3	1
BDD-SWSF-072717-D	7/27/17 3:15	Copper	5.9	ug/l	J	UF	EPA200.8	SMP	3	10
BDD-SWSF-072717-D-F	7/27/17 3:15	Copper	3	ug/l	U	F	EPA200.8	SMP	3	10
BDD-SWSF-072717-D	7/27/17 3:15	Iron	3000	ug/l		UF	EPA200.8	SMP	44	100
BDD-SWSF-072717-D-F	7/27/17 3:15	Iron	44	ug/l	U	F	EPA200.8	SMP	44	100
BDD-SWSF-072717-D	7/27/17 3:15	Lead	3.6	ug/l		UF	EPA200.8	SMP	0.16	0.5
BDD-SWSF-072717-D-F	7/27/17 3:15	Lead	0.16	ug/l	U	F	EPA200.8	SMP	0.16	0.5
BDD-SWSF-072717-D	7/27/17 3:15	Magnesium	7400	ug/l		UF	EPA200.8	SMP	30	100
BDD-SWSF-072717-D-F	7/27/17 3:15	Magnesium	5400	ug/l		F	EPA200.8	SMP	30	100
BDD-SWSF-072717-D	7/27/17 3:15	Manganese	180	ug/l		UF	EPA200.8	SMP	0.6	2
BDD-SWSF-072717-D-F	7/27/17 3:15	Manganese	1.4	ug/l	J	F	EPA200.8	SMP	0.6	2
BDD-SWSF-072717-D	7/27/17 3:15	Mercury	0.06	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-072717-D-F	7/27/17 3:15	Mercury	0.06	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-072717-D	7/27/17 3:15	Nickel	4.4	ug/l	J	UF	EPA200.8	SMP	1.9	5
BDD-SWSF-072717-D-F	7/27/17 3:15	Nickel	1.9	ug/l	U	F	EPA200.8	SMP	1.9	5
BDD-SWSF-072717-D	7/27/17 3:15	Potassium	3100	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWSF-072717-D-F	7/27/17 3:15	Potassium	2000	ug/l		F	EPA200.8	SMP	300	1000
BDD-SWSF-072717-D	7/27/17 3:15	Selenium	0.61	ug/l	J	UF	EPA200.8	SMP	0.3	1
BDD-SWSF-072717-D-F	7/27/17 3:15	Selenium	0.3	ug/l	U	F	EPA200.8	SMP	0.3	1
BDD-SWSF-072717-D	7/27/17 3:15	Silver	0.03	ug/l	U	UF	EPA200.8	SMP	0.03	0.1
BDD-SWSF-072717-D-F	7/27/17 3:15	Silver	0.03	ug/l	U	F	EPA200.8	SMP	0.03	0.1
BDD-SWSF-072717-D	7/27/17 3:15	Sodium	11000	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWSF-072717-D-F	7/27/17 3:15	Sodium	11000	ug/l		F	EPA200.8	SMP	300	1000
BDD-SWSF-072717-D	7/27/17 3:15	Thallium	0.15	ug/l	U	UF	EPA200.8	SMP	0.15	0.2
BDD-SWSF-072717-D-F	7/27/17 3:15	Thallium	0.15	ug/l	U	F	EPA200.8	SMP	0.15	0.2
BDD-SWSF-072717-D	7/27/17 3:15	Uranium	1.5	ug/l		UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-072717-D-F	7/27/17 3:15	Uranium	1.2	ug/l		F	EPA200.8	SMP	0.038	0.1
BDD-SWSF-072717-D	7/27/17 3:15	Vanadium	9.7	ug/l		UF	EPA200.8	SMP	0.3	1
BDD-SWSF-072717-D-F	7/27/17 3:15	Vanadium	3.6	ug/l		F	EPA200.8	SMP	0.3	1
BDD-SWSF-072717-D	7/27/17 3:15	Zinc	10	ug/l	J	UF	EPA200.8	SMP	6	20
BDD-SWSF-072717-D-F	7/27/17 3:15	Zinc	6	ug/l	U	F	EPA200.8	SMP	6	20
BDD-SWSF-072717-E	7/27/17 4:00	Aluminum	15000	ug/l		UF	EPA200.8	SMP	15	50
BDD-SWSF-072717-E-F	7/27/17 4:00	Aluminum	110	ug/l		F	EPA200.8	SMP	15	50
BDD-SWSF-072717-E	7/27/17 4:00	Antimony	0.35	ug/l		UF	EPA200.8	SMP	0.09	0.3
BDD-SWSF-072717-E-F	7/27/17 4:00	Antimony	0.26	ug/l	J	F	EPA200.8	SMP	0.09	0.3

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-072717-E	7/27/17 4:00	Arsenic	4.1	ug/l		UF	EPA200.8	SMP	0.6	2
BDD-SWSF-072717-E-F	7/27/17 4:00	Arsenic	1.7	ug/l	J	F	EPA200.8	SMP	0.6	2
BDD-SWSF-072717-E	7/27/17 4:00	Barium	350	ug/l		UF	EPA200.8	SMP	0.6	1
BDD-SWSF-072717-E-F	7/27/17 4:00	Barium	62	ug/l		F	EPA200.8	SMP	0.6	1
BDD-SWSF-072717-E	7/27/17 4:00	Beryllium	1.8	ug/l		UF	EPA200.8	SMP	0.15	0.5
BDD-SWSF-072717-E-F	7/27/17 4:00	Beryllium	0.15	ug/l	U	F	EPA200.8	SMP	0.15	0.5
BDD-SWSF-072717-E	7/27/17 4:00	Boron	37	ug/l	J	UF	EPA200.8	SMP	15	50
BDD-SWSF-072717-E-F	7/27/17 4:00	Boron	20	ug/l	J	F	EPA200.8	SMP	15	50
BDD-SWSF-072717-E	7/27/17 4:00	Cadmium	0.21	ug/l	J	UF	EPA200.8	SMP	0.09	0.3
BDD-SWSF-072717-E-F	7/27/17 4:00	Cadmium	0.09	ug/l	U	F	EPA200.8	SMP	0.09	0.3
BDD-SWSF-072717-E	7/27/17 4:00	Calcium	51000	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWSF-072717-E-F	7/27/17 4:00	Calcium	31000	ug/l		F	EPA200.8	SMP	300	1000
BDD-SWSF-072717-E	7/27/17 4:00	Chromium	8.3	ug/l	J	UF	EPA200.8	SMP	3	10
BDD-SWSF-072717-E-F	7/27/17 4:00	Chromium	3	ug/l	U	F	EPA200.8	SMP	3	10
BDD-SWSF-072717-E	7/27/17 4:00	Cobalt	7.5	ug/l		UF	EPA200.8	SMP	0.3	1
BDD-SWSF-072717-E-F	7/27/17 4:00	Cobalt	0.38	ug/l	J	F	EPA200.8	SMP	0.3	1
BDD-SWSF-072717-E	7/27/17 4:00	Copper	17	ug/l		UF	EPA200.8	SMP	3	10
BDD-SWSF-072717-E-F	7/27/17 4:00	Copper	3	ug/l	U	F	EPA200.8	SMP	3	10
BDD-SWSF-072717-E	7/27/17 4:00	Iron	10000	ug/l		UF	EPA200.8	SMP	44	100
BDD-SWSF-072717-E-F	7/27/17 4:00	Iron	66	ug/l	J	F	EPA200.8	SMP	44	100
BDD-SWSF-072717-E	7/27/17 4:00	Lead	21	ug/l		UF	EPA200.8	SMP	0.16	0.5
BDD-SWSF-072717-E-F	7/27/17 4:00	Lead	0.16	ug/l	U	F	EPA200.8	SMP	0.16	0.5
BDD-SWSF-072717-E	7/27/17 4:00	Magnesium	11000	ug/l		UF	EPA200.8	SMP	30	100
BDD-SWSF-072717-E-F	7/27/17 4:00	Magnesium	5100	ug/l		F	EPA200.8	SMP	30	100
BDD-SWSF-072717-E	7/27/17 4:00	Manganese	750	ug/l		UF	EPA200.8	SMP	0.6	2
BDD-SWSF-072717-E-F	7/27/17 4:00	Manganese	2.5	ug/l		F	EPA200.8	SMP	0.6	2
BDD-SWSF-072717-E	7/27/17 4:00	Mercury	0.06	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-072717-E-F	7/27/17 4:00	Mercury	0.06	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-072717-E	7/27/17 4:00	Nickel	13	ug/l		UF	EPA200.8	SMP	1.9	5
BDD-SWSF-072717-E-F	7/27/17 4:00	Nickel	1.9	ug/l	U	F	EPA200.8	SMP	1.9	5
BDD-SWSF-072717-E	7/27/17 4:00	Potassium	5600	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWSF-072717-E-F	7/27/17 4:00	Potassium	2300	ug/l		F	EPA200.8	SMP	300	1000
BDD-SWSF-072717-E	7/27/17 4:00	Selenium	1.6	ug/l		UF	EPA200.8	SMP	0.3	1
BDD-SWSF-072717-E-F	7/27/17 4:00	Selenium	0.3	ug/l	U	F	EPA200.8	SMP	0.3	1
BDD-SWSF-072717-E	7/27/17 4:00	Silver	0.08	ug/l	J	UF	EPA200.8	SMP	0.03	0.1
BDD-SWSF-072717-E-F	7/27/17 4:00	Silver	0.03	ug/l	U	F	EPA200.8	SMP	0.03	0.1
BDD-SWSF-072717-E	7/27/17 4:00	Sodium	12000	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWSF-072717-E-F	7/27/17 4:00	Sodium	11000	ug/l		F	EPA200.8	SMP	300	1000
BDD-SWSF-072717-E	7/27/17 4:00	Thallium	0.26	ug/l		UF	EPA200.8	SMP	0.15	0.2
BDD-SWSF-072717-E-F	7/27/17 4:00	Thallium	0.15	ug/l	U	F	EPA200.8	SMP	0.15	0.2
BDD-SWSF-072717-E	7/27/17 4:00	Uranium	2.7	ug/l		UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-072717-E-F	7/27/17 4:00	Uranium	1.3	ug/l		F	EPA200.8	SMP	0.038	0.1
BDD-SWSF-072717-E	7/27/17 4:00	Vanadium	21	ug/l		UF	EPA200.8	SMP	0.3	1
BDD-SWSF-072717-E-F	7/27/17 4:00	Vanadium	3.4	ug/l		F	EPA200.8	SMP	0.3	1
BDD-SWSF-072717-E	7/27/17 4:00	Zinc	96	ug/l		UF	EPA200.8	SMP	6	20
BDD-SWSF-072717-E-F	7/27/17 4:00	Zinc	6	ug/l	U	F	EPA200.8	SMP	6	20
BDD-SWSF-072717-F	7/27/17 4:45	Aluminum	12000	ug/l		UF	EPA200.8	SMP	15	50
BDD-SWSF-072717-F-F	7/27/17 4:45	Aluminum	79	ug/l		F	EPA200.8	SMP	15	50
BDD-SWSF-072717-F	7/27/17 4:45	Antimony	0.17	ug/l	J	UF	EPA200.8	SMP	0.09	0.3
BDD-SWSF-072717-F-F	7/27/17 4:45	Antimony	0.3	ug/l	J	F	EPA200.8	SMP	0.09	0.3
BDD-SWSF-072717-F	7/27/17 4:45	Arsenic	3.4	ug/l		UF	EPA200.8	SMP	0.6	2
BDD-SWSF-072717-F-F	7/27/17 4:45	Arsenic	1.6	ug/l	J	F	EPA200.8	SMP	0.6	2
BDD-SWSF-072717-F	7/27/17 4:45	Barium	320	ug/l		UF	EPA200.8	SMP	0.6	1
BDD-SWSF-072717-F-F	7/27/17 4:45	Barium	69	ug/l		F	EPA200.8	SMP	0.6	1
BDD-SWSF-072717-F	7/27/17 4:45	Beryllium	1.1	ug/l		UF	EPA200.8	SMP	0.15	0.5
BDD-SWSF-072717-F-F	7/27/17 4:45	Beryllium	0.15	ug/l	U	F	EPA200.8	SMP	0.15	0.5

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-072717-F	7/27/17 4:45	Boron	30	ug/l	J	UF	EPA200.8	SMP	15	50
BDD-SWSF-072717-F-F	7/27/17 4:45	Boron	19	ug/l	J	F	EPA200.8	SMP	15	50
BDD-SWSF-072717-F	7/27/17 4:45	Cadmium	0.1	ug/l	J	UF	EPA200.8	SMP	0.09	0.3
BDD-SWSF-072717-F-F	7/27/17 4:45	Cadmium	0.09	ug/l	U	F	EPA200.8	SMP	0.09	0.3
BDD-SWSF-072717-F	7/27/17 4:45	Calcium	52000	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWSF-072717-F-F	7/27/17 4:45	Calcium	31000	ug/l		F	EPA200.8	SMP	300	1000
BDD-SWSF-072717-F	7/27/17 4:45	Chromium	6.5	ug/l	J	UF	EPA200.8	SMP	3	10
BDD-SWSF-072717-F-F	7/27/17 4:45	Chromium	3	ug/l	U	F	EPA200.8	SMP	3	10
BDD-SWSF-072717-F	7/27/17 4:45	Cobalt	6.2	ug/l		UF	EPA200.8	SMP	0.3	1
BDD-SWSF-072717-F-F	7/27/17 4:45	Cobalt	0.54	ug/l	J	F	EPA200.8	SMP	0.3	1
BDD-SWSF-072717-F	7/27/17 4:45	Copper	13	ug/l		UF	EPA200.8	SMP	3	10
BDD-SWSF-072717-F-F	7/27/17 4:45	Copper	3	ug/l	U	F	EPA200.8	SMP	3	10
BDD-SWSF-072717-F	7/27/17 4:45	Iron	8000	ug/l		UF	EPA200.8	SMP	44	100
BDD-SWSF-072717-F-F	7/27/17 4:45	Iron	46	ug/l	J	F	EPA200.8	SMP	44	100
BDD-SWSF-072717-F	7/27/17 4:45	Lead	13	ug/l		UF	EPA200.8	SMP	0.16	0.5
BDD-SWSF-072717-F-F	7/27/17 4:45	Lead	0.16	ug/l	U	F	EPA200.8	SMP	0.16	0.5
BDD-SWSF-072717-F	7/27/17 4:45	Magnesium	10000	ug/l		UF	EPA200.8	SMP	30	100
BDD-SWSF-072717-F-F	7/27/17 4:45	Magnesium	5000	ug/l		F	EPA200.8	SMP	30	100
BDD-SWSF-072717-F	7/27/17 4:45	Manganese	520	ug/l		UF	EPA200.8	SMP	0.6	2
BDD-SWSF-072717-F-F	7/27/17 4:45	Manganese	2.1	ug/l		F	EPA200.8	SMP	0.6	2
BDD-SWSF-072717-F	7/27/17 4:45	Mercury	0.06	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-072717-F-F	7/27/17 4:45	Mercury	0.06	ug/l	U	F	EPA245.1	DUP	0.06	0.2
BDD-SWSF-072717-F-F	7/27/17 4:45	Mercury	0.06	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-072717-F	7/27/17 4:45	Nickel	11	ug/l		UF	EPA200.8	SMP	1.9	5
BDD-SWSF-072717-F-F	7/27/17 4:45	Nickel	1.9	ug/l	U	F	EPA200.8	SMP	1.9	5
BDD-SWSF-072717-F	7/27/17 4:45	Potassium	4800	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWSF-072717-F-F	7/27/17 4:45	Potassium	2100	ug/l		F	EPA200.8	SMP	300	1000
BDD-SWSF-072717-F	7/27/17 4:45	Selenium	1.3	ug/l		UF	EPA200.8	SMP	0.3	1
BDD-SWSF-072717-F-F	7/27/17 4:45	Selenium	0.3	ug/l	U	F	EPA200.8	SMP	0.3	1
BDD-SWSF-072717-F	7/27/17 4:45	Silver	0.05	ug/l	J	UF	EPA200.8	SMP	0.03	0.1
BDD-SWSF-072717-F-F	7/27/17 4:45	Silver	0.03	ug/l	U	F	EPA200.8	SMP	0.03	0.1
BDD-SWSF-072717-F	7/27/17 4:45	Sodium	11000	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWSF-072717-F-F	7/27/17 4:45	Sodium	11000	ug/l		F	EPA200.8	SMP	300	1000
BDD-SWSF-072717-F	7/27/17 4:45	Thallium	0.17	ug/l	J	UF	EPA200.8	SMP	0.15	0.2
BDD-SWSF-072717-F-F	7/27/17 4:45	Thallium	0.15	ug/l	U	F	EPA200.8	SMP	0.15	0.2
BDD-SWSF-072717-F	7/27/17 4:45	Uranium	2.1	ug/l		UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-072717-F-F	7/27/17 4:45	Uranium	1.2	ug/l		F	EPA200.8	SMP	0.038	0.1
BDD-SWSF-072717-F	7/27/17 4:45	Vanadium	19	ug/l		UF	EPA200.8	SMP	0.3	1
BDD-SWSF-072717-F-F	7/27/17 4:45	Vanadium	3.5	ug/l		F	EPA200.8	SMP	0.3	1
BDD-SWSF-072717-F	7/27/17 4:45	Zinc	30	ug/l		UF	EPA200.8	SMP	6	20
BDD-SWSF-072717-F-F	7/27/17 4:45	Zinc	6	ug/l	U	F	EPA200.8	SMP	6	20
BDD-SWSF-080817-A	8/8/17 13:59	Aluminum	10000	ug/l		UF	EPA200.8	SMP	15	50
BDD-SWSF-080817-A-F	8/8/17 13:59	Aluminum	94	ug/l		F	EPA200.8	SMP	15	50
BDD-SWSF-080817-A	8/8/17 13:59	Antimony	0.16	ug/l	J	UF	EPA200.8	SMP	0.09	0.3
BDD-SWSF-080817-A-F	8/8/17 13:59	Antimony	0.31	ug/l		F	EPA200.8	SMP	0.09	0.3
BDD-SWSF-080817-A	8/8/17 13:59	Arsenic	4.3	ug/l		UF	EPA200.8	SMP	0.6	2
BDD-SWSF-080817-A-F	8/8/17 13:59	Arsenic	1.9	ug/l	J	F	EPA200.8	SMP	0.6	2
BDD-SWSF-080817-A	8/8/17 13:59	Barium	250	ug/l		UF	EPA200.8	SMP	0.6	1
BDD-SWSF-080817-A-F	8/8/17 13:59	Barium	71	ug/l		F	EPA200.8	SMP	0.6	1
BDD-SWSF-080817-A	8/8/17 13:59	Beryllium	0.86	ug/l		UF	EPA200.8	SMP	0.15	0.5
BDD-SWSF-080817-A-F	8/8/17 13:59	Beryllium	0.15	ug/l	U	F	EPA200.8	SMP	0.15	0.5
BDD-SWSF-080817-A	8/8/17 13:59	Boron	32	ug/l	J	UF	EPA200.8	SMP	15	50
BDD-SWSF-080817-A-F	8/8/17 13:59	Boron	24	ug/l	J	F	EPA200.8	SMP	15	50
BDD-SWSF-080817-A	8/8/17 13:59	Cadmium	0.16	ug/l	J	UF	EPA200.8	SMP	0.09	0.3
BDD-SWSF-080817-A-F	8/8/17 13:59	Cadmium	0.09	ug/l	U	F	EPA200.8	SMP	0.09	0.3
BDD-SWSF-080817-A	8/8/17 13:59	Calcium	52000	ug/l		UF	EPA200.8	SMP	300	1000

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-080817-A-F	8/8/17 13:59	Calcium	33000	ug/l		F	EPA200.8	SMP	300	1000
BDD-SWSF-080817-A	8/8/17 13:59	Chromium	5.7	ug/l	J	UF	EPA200.8	SMP	3	10
BDD-SWSF-080817-A-F	8/8/17 13:59	Chromium	3	ug/l	U	F	EPA200.8	SMP	3	10
BDD-SWSF-080817-A	8/8/17 13:59	Cobalt	5.3	ug/l		UF	EPA200.8	SMP	0.3	1
BDD-SWSF-080817-A-F	8/8/17 13:59	Cobalt	0.62	ug/l	J	F	EPA200.8	SMP	0.3	1
BDD-SWSF-080817-A	8/8/17 13:59	Copper	14	ug/l		UF	EPA200.8	SMP	3	10
BDD-SWSF-080817-A-F	8/8/17 13:59	Copper	3.5	ug/l	J	F	EPA200.8	SMP	3	10
BDD-SWSF-080817-A	8/8/17 13:59	Iron	7400	ug/l		UF	EPA200.8	SMP	44	100
BDD-SWSF-080817-A-F	8/8/17 13:59	Iron	69	ug/l	J	F	EPA200.8	SMP	44	100
BDD-SWSF-080817-A	8/8/17 13:59	Lead	8.8	ug/l		UF	EPA200.8	SMP	0.16	0.5
BDD-SWSF-080817-A-F	8/8/17 13:59	Lead	0.16	ug/l	U	F	EPA200.8	SMP	0.16	0.5
BDD-SWSF-080817-A	8/8/17 13:59	Magnesium	11000	ug/l		UF	EPA200.8	SMP	30	100
BDD-SWSF-080817-A-F	8/8/17 13:59	Magnesium	5800	ug/l		F	EPA200.8	SMP	30	100
BDD-SWSF-080817-A	8/8/17 13:59	Manganese	420	ug/l		UF	EPA200.8	SMP	0.6	2
BDD-SWSF-080817-A-F	8/8/17 13:59	Manganese	3.4	ug/l		F	EPA200.8	SMP	0.6	2
BDD-SWSF-080817-A	8/8/17 13:59	Mercury	0.06	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-080817-A-F	8/8/17 13:59	Mercury	0.06	ug/l	U	F	EPA245.1	DUP	0.06	0.2
BDD-SWSF-080817-A-F	8/8/17 13:59	Mercury	0.06	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-080817-A	8/8/17 13:59	Nickel	12	ug/l		UF	EPA200.8	SMP	1.9	5
BDD-SWSF-080817-A-F	8/8/17 13:59	Nickel	1.9	ug/l	U	F	EPA200.8	SMP	1.9	5
BDD-SWSF-080817-A	8/8/17 13:59	Potassium	4700	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWSF-080817-A-F	8/8/17 13:59	Potassium	2600	ug/l		F	EPA200.8	SMP	300	1000
BDD-SWSF-080817-A	8/8/17 13:59	Selenium	0.84	ug/l	J	UF	EPA200.8	SMP	0.3	1
BDD-SWSF-080817-A-F	8/8/17 13:59	Selenium	0.3	ug/l	U	F	EPA200.8	SMP	0.3	1
BDD-SWSF-080817-A	8/8/17 13:59	Silver	0.03	ug/l	U	UF	EPA200.8	SMP	0.03	0.1
BDD-SWSF-080817-A-F	8/8/17 13:59	Silver	0.03	ug/l	U	F	EPA200.8	SMP	0.03	0.1
BDD-SWSF-080817-A	8/8/17 13:59	Sodium	15000	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWSF-080817-A-F	8/8/17 13:59	Sodium	15000	ug/l		F	EPA200.8	SMP	300	1000
BDD-SWSF-080817-A	8/8/17 13:59	Thallium	0.15	ug/l	U	UF	EPA200.8	SMP	0.15	0.2
BDD-SWSF-080817-A-F	8/8/17 13:59	Thallium	0.15	ug/l	U	F	EPA200.8	SMP	0.15	0.2
BDD-SWSF-080817-A	8/8/17 13:59	Uranium	2.3	ug/l		UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-080817-A-F	8/8/17 13:59	Uranium	1.7	ug/l		F	EPA200.8	SMP	0.038	0.1
BDD-SWSF-080817-A	8/8/17 13:59	Vanadium	17	ug/l		UF	EPA200.8	SMP	0.3	1
BDD-SWSF-080817-A-F	8/8/17 13:59	Vanadium	4.7	ug/l		F	EPA200.8	SMP	0.3	1
BDD-SWSF-080817-A	8/8/17 13:59	Zinc	32	ug/l		UF	EPA200.8	SMP	6	20
BDD-SWSF-080817-A-F	8/8/17 13:59	Zinc	6	ug/l	U	F	EPA200.8	SMP	6	20
BDD-SWSF-080817-B	8/8/17 14:29	Aluminum	11000	ug/l		UF	EPA200.8	SMP	15	50
BDD-SWSF-080817-B-F	8/8/17 14:29	Aluminum	40	ug/l	J	F	EPA200.8	SMP	15	50
BDD-SWSF-080817-B	8/8/17 14:29	Antimony	0.11	ug/l	J	UF	EPA200.8	SMP	0.09	0.3
BDD-SWSF-080817-B-F	8/8/17 14:29	Antimony	0.32	ug/l		F	EPA200.8	SMP	0.09	0.3
BDD-SWSF-080817-B	8/8/17 14:29	Arsenic	4.1	ug/l		UF	EPA200.8	SMP	0.6	2
BDD-SWSF-080817-B-F	8/8/17 14:29	Arsenic	2.2	ug/l		F	EPA200.8	SMP	0.6	2
BDD-SWSF-080817-B	8/8/17 14:29	Barium	250	ug/l		UF	EPA200.8	SMP	0.6	1
BDD-SWSF-080817-B-F	8/8/17 14:29	Barium	74	ug/l		F	EPA200.8	SMP	0.6	1
BDD-SWSF-080817-B	8/8/17 14:29	Beryllium	0.92	ug/l		UF	EPA200.8	SMP	0.15	0.5
BDD-SWSF-080817-B-F	8/8/17 14:29	Beryllium	0.15	ug/l	U	F	EPA200.8	SMP	0.15	0.5
BDD-SWSF-080817-B	8/8/17 14:29	Boron	28	ug/l	J	UF	EPA200.8	SMP	15	50
BDD-SWSF-080817-B-F	8/8/17 14:29	Boron	21	ug/l	J	F	EPA200.8	SMP	15	50
BDD-SWSF-080817-B	8/8/17 14:29	Cadmium	0.14	ug/l	J	UF	EPA200.8	SMP	0.09	0.3
BDD-SWSF-080817-B-F	8/8/17 14:29	Cadmium	0.09	ug/l	U	F	EPA200.8	SMP	0.09	0.3
BDD-SWSF-080817-B	8/8/17 14:29	Calcium	52000	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWSF-080817-B-F	8/8/17 14:29	Calcium	33000	ug/l		F	EPA200.8	SMP	300	1000
BDD-SWSF-080817-B	8/8/17 14:29	Chromium	6.1	ug/l	J	UF	EPA200.8	SMP	3	10
BDD-SWSF-080817-B-F	8/8/17 14:29	Chromium	3	ug/l	U	F	EPA200.8	SMP	3	10
BDD-SWSF-080817-B	8/8/17 14:29	Cobalt	5.3	ug/l		UF	EPA200.8	SMP	0.3	1
BDD-SWSF-080817-B-F	8/8/17 14:29	Cobalt	0.55	ug/l	J	F	EPA200.8	SMP	0.3	1

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-080817-B	8/8/17 14:29	Copper	12	ug/l		UF	EPA200.8	SMP	3	10
BDD-SWSF-080817-B-F	8/8/17 14:29	Copper	3	ug/l	U	F	EPA200.8	SMP	3	10
BDD-SWSF-080817-B	8/8/17 14:29	Iron	7700	ug/l		UF	EPA200.8	SMP	44	100
BDD-SWSF-080817-B-F	8/8/17 14:29	Iron	44	ug/l	U	F	EPA200.8	SMP	44	100
BDD-SWSF-080817-B	8/8/17 14:29	Lead	8.6	ug/l		UF	EPA200.8	SMP	0.16	0.5
BDD-SWSF-080817-B-F	8/8/17 14:29	Lead	0.16	ug/l	U	F	EPA200.8	SMP	0.16	0.5
BDD-SWSF-080817-B	8/8/17 14:29	Magnesium	11000	ug/l		UF	EPA200.8	SMP	30	100
BDD-SWSF-080817-B-F	8/8/17 14:29	Magnesium	5800	ug/l		F	EPA200.8	SMP	30	100
BDD-SWSF-080817-B	8/8/17 14:29	Manganese	440	ug/l		UF	EPA200.8	SMP	0.6	2
BDD-SWSF-080817-B-F	8/8/17 14:29	Manganese	1.2	ug/l	J	F	EPA200.8	SMP	0.6	2
BDD-SWSF-080817-B	8/8/17 14:29	Mercury	0.06	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-080817-B-F	8/8/17 14:29	Mercury	0.06	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-080817-B	8/8/17 14:29	Nickel	10	ug/l		UF	EPA200.8	SMP	1.9	5
BDD-SWSF-080817-B-F	8/8/17 14:29	Nickel	1.9	ug/l	U	F	EPA200.8	SMP	1.9	5
BDD-SWSF-080817-B	8/8/17 14:29	Potassium	4800	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWSF-080817-B-F	8/8/17 14:29	Potassium	2600	ug/l		F	EPA200.8	SMP	300	1000
BDD-SWSF-080817-B	8/8/17 14:29	Selenium	0.81	ug/l	J	UF	EPA200.8	SMP	0.3	1
BDD-SWSF-080817-B-F	8/8/17 14:29	Selenium	0.31	ug/l	J	F	EPA200.8	SMP	0.3	1
BDD-SWSF-080817-B	8/8/17 14:29	Silver	0.03	ug/l	U	UF	EPA200.8	SMP	0.03	0.1
BDD-SWSF-080817-B-F	8/8/17 14:29	Silver	0.03	ug/l	U	F	EPA200.8	SMP	0.03	0.1
BDD-SWSF-080817-B	8/8/17 14:29	Sodium	15000	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWSF-080817-B-F	8/8/17 14:29	Sodium	15000	ug/l		F	EPA200.8	SMP	300	1000
BDD-SWSF-080817-B	8/8/17 14:29	Thallium	0.15	ug/l	U	UF	EPA200.8	SMP	0.15	0.2
BDD-SWSF-080817-B-F	8/8/17 14:29	Thallium	0.15	ug/l	U	F	EPA200.8	SMP	0.15	0.2
BDD-SWSF-080817-B	8/8/17 14:29	Uranium	2.2	ug/l		UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-080817-B-F	8/8/17 14:29	Uranium	1.6	ug/l		F	EPA200.8	SMP	0.038	0.1
BDD-SWSF-080817-B	8/8/17 14:29	Vanadium	18	ug/l		UF	EPA200.8	SMP	0.3	1
BDD-SWSF-080817-B-F	8/8/17 14:29	Vanadium	4.6	ug/l		F	EPA200.8	SMP	0.3	1
BDD-SWSF-080817-B	8/8/17 14:29	Zinc	33	ug/l		UF	EPA200.8	SMP	6	20
BDD-SWSF-080817-B-F	8/8/17 14:29	Zinc	6	ug/l	U	F	EPA200.8	SMP	6	20
BDD-SWSF-080817-C	8/8/17 14:59	Aluminum	23000	ug/l		UF	EPA200.8	SMP	15	50
BDD-SWSF-080817-C-F	8/8/17 14:59	Aluminum	60	ug/l		F	EPA200.8	SMP	15	50
BDD-SWSF-080817-C	8/8/17 14:59	Antimony	0.15	ug/l	J	UF	EPA200.8	SMP	0.09	0.3
BDD-SWSF-080817-C-F	8/8/17 14:59	Antimony	0.38	ug/l		F	EPA200.8	SMP	0.09	0.3
BDD-SWSF-080817-C	8/8/17 14:59	Arsenic	6.7	ug/l		UF	EPA200.8	SMP	0.6	2
BDD-SWSF-080817-C-F	8/8/17 14:59	Arsenic	1.9	ug/l	J	F	EPA200.8	SMP	0.6	2
BDD-SWSF-080817-C	8/8/17 14:59	Barium	560	ug/l		UF	EPA200.8	SMP	0.6	1
BDD-SWSF-080817-C-F	8/8/17 14:59	Barium	74	ug/l		F	EPA200.8	SMP	0.6	1
BDD-SWSF-080817-C	8/8/17 14:59	Beryllium	1.9	ug/l		UF	EPA200.8	SMP	0.15	0.5
BDD-SWSF-080817-C-F	8/8/17 14:59	Beryllium	0.15	ug/l	U	F	EPA200.8	SMP	0.15	0.5
BDD-SWSF-080817-C	8/8/17 14:59	Boron	30	ug/l	J	UF	EPA200.8	SMP	15	50
BDD-SWSF-080817-C-F	8/8/17 14:59	Boron	19	ug/l	J	F	EPA200.8	SMP	15	50
BDD-SWSF-080817-C	8/8/17 14:59	Cadmium	0.29	ug/l	J	UF	EPA200.8	SMP	0.09	0.3
BDD-SWSF-080817-C-F	8/8/17 14:59	Cadmium	0.09	ug/l	U	F	EPA200.8	SMP	0.09	0.3
BDD-SWSF-080817-C	8/8/17 14:59	Calcium	96000	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWSF-080817-C-F	8/8/17 14:59	Calcium	32000	ug/l		F	EPA200.8	SMP	300	1000
BDD-SWSF-080817-C	8/8/17 14:59	Chromium	17	ug/l		UF	EPA200.8	SMP	3	10
BDD-SWSF-080817-C-F	8/8/17 14:59	Chromium	3	ug/l	U	F	EPA200.8	SMP	3	10
BDD-SWSF-080817-C	8/8/17 14:59	Cobalt	14	ug/l		UF	EPA200.8	SMP	0.3	1
BDD-SWSF-080817-C-F	8/8/17 14:59	Cobalt	0.52	ug/l	J	F	EPA200.8	SMP	0.3	1
BDD-SWSF-080817-C	8/8/17 14:59	Copper	26	ug/l		UF	EPA200.8	SMP	3	10
BDD-SWSF-080817-C-F	8/8/17 14:59	Copper	3	ug/l	U	F	EPA200.8	SMP	3	10
BDD-SWSF-080817-C	8/8/17 14:59	Iron	17000	ug/l		UF	EPA200.8	SMP	44	100
BDD-SWSF-080817-C-F	8/8/17 14:59	Iron	44	ug/l	U	F	EPA200.8	SMP	44	100
BDD-SWSF-080817-C	8/8/17 14:59	Lead	21	ug/l		UF	EPA200.8	SMP	0.16	0.5
BDD-SWSF-080817-C-F	8/8/17 14:59	Lead	0.16	ug/l	U	F	EPA200.8	SMP	0.16	0.5

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-080817-C	8/8/17 14:59	Magnesium	18000	ug/l		UF	EPA200.8	SMP	30	100
BDD-SWSF-080817-C-F	8/8/17 14:59	Magnesium	5500	ug/l		F	EPA200.8	SMP	30	100
BDD-SWSF-080817-C	8/8/17 14:59	Manganese	1000	ug/l		UF	EPA200.8	SMP	0.6	2
BDD-SWSF-080817-C-F	8/8/17 14:59	Manganese	1.9	ug/l	J	F	EPA200.8	SMP	0.6	2
BDD-SWSF-080817-C	8/8/17 14:59	Mercury	0.06	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-080817-C-F	8/8/17 14:59	Mercury	0.06	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-080817-C	8/8/17 14:59	Nickel	28	ug/l		UF	EPA200.8	SMP	1.9	5
BDD-SWSF-080817-C-F	8/8/17 14:59	Nickel	2	ug/l	J	F	EPA200.8	SMP	1.9	5
BDD-SWSF-080817-C	8/8/17 14:59	Potassium	7700	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWSF-080817-C-F	8/8/17 14:59	Potassium	2500	ug/l		F	EPA200.8	SMP	300	1000
BDD-SWSF-080817-C	8/8/17 14:59	Selenium	1.8	ug/l		UF	EPA200.8	SMP	0.3	1
BDD-SWSF-080817-C-F	8/8/17 14:59	Selenium	0.3	ug/l	U	F	EPA200.8	SMP	0.3	1
BDD-SWSF-080817-C	8/8/17 14:59	Silver	0.07	ug/l	J	UF	EPA200.8	SMP	0.03	0.1
BDD-SWSF-080817-C-F	8/8/17 14:59	Silver	0.03	ug/l	U	F	EPA200.8	SMP	0.03	0.1
BDD-SWSF-080817-C	8/8/17 14:59	Sodium	15000	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWSF-080817-C-F	8/8/17 14:59	Sodium	14000	ug/l		F	EPA200.8	SMP	300	1000
BDD-SWSF-080817-C	8/8/17 14:59	Thallium	0.25	ug/l		UF	EPA200.8	SMP	0.15	0.2
BDD-SWSF-080817-C-F	8/8/17 14:59	Thallium	0.15	ug/l	U	F	EPA200.8	SMP	0.15	0.2
BDD-SWSF-080817-C	8/8/17 14:59	Uranium	3.6	ug/l		UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-080817-C-F	8/8/17 14:59	Uranium	1.6	ug/l		F	EPA200.8	SMP	0.038	0.1
BDD-SWSF-080817-C	8/8/17 14:59	Vanadium	37	ug/l		UF	EPA200.8	SMP	0.3	1
BDD-SWSF-080817-C-F	8/8/17 14:59	Vanadium	5	ug/l		F	EPA200.8	SMP	0.3	1
BDD-SWSF-080817-C	8/8/17 14:59	Zinc	77	ug/l		UF	EPA200.8	SMP	6	20
BDD-SWSF-080817-C-F	8/8/17 14:59	Zinc	6	ug/l	U	F	EPA200.8	SMP	6	20
BDD-SWSF-080817-D	8/8/17 15:45	Aluminum	67000	ug/l		UF	EPA200.8	SMP	15	50
BDD-SWSF-080817-D-F	8/8/17 15:45	Aluminum	96	ug/l		F	EPA200.8	SMP	15	50
BDD-SWSF-080817-D-F	8/8/17 15:45	Aluminum	112	ug/l		F	EPA200.8	DUP	15	50
BDD-SWSF-080817-D	8/8/17 15:45	Antimony	0.11	ug/l	J	UF	EPA200.8	SMP	0.09	0.3
BDD-SWSF-080817-D-F	8/8/17 15:45	Antimony	0.4	ug/l		F	EPA200.8	SMP	0.09	0.3
BDD-SWSF-080817-D-F	8/8/17 15:45	Antimony	0.53	ug/l		F	EPA200.8	DUP	0.09	0.3
BDD-SWSF-080817-D	8/8/17 15:45	Arsenic	12	ug/l		UF	EPA200.8	SMP	0.6	2
BDD-SWSF-080817-D-F	8/8/17 15:45	Arsenic	2.11	ug/l		F	EPA200.8	DUP	0.6	2
BDD-SWSF-080817-D-F	8/8/17 15:45	Arsenic	2.2	ug/l		F	EPA200.8	SMP	0.6	2
BDD-SWSF-080817-D	8/8/17 15:45	Barium	1600	ug/l		UF	EPA200.8	SMP	0.6	1
BDD-SWSF-080817-D-F	8/8/17 15:45	Barium	90	ug/l		F	EPA200.8	SMP	0.6	1
BDD-SWSF-080817-D-F	8/8/17 15:45	Barium	89.8	ug/l		F	EPA200.8	DUP	0.6	1
BDD-SWSF-080817-D	8/8/17 15:45	Beryllium	7.7	ug/l		UF	EPA200.8	SMP	0.15	0.5
BDD-SWSF-080817-D-F	8/8/17 15:45	Beryllium	0.15	ug/l	U	F	EPA200.8	SMP	0.15	0.5
BDD-SWSF-080817-D-F	8/8/17 15:45	Beryllium	0.15	ug/l	U	F	EPA200.8	DUP	0.15	0.5
BDD-SWSF-080817-D	8/8/17 15:45	Boron	41	ug/l	J	UF	EPA200.8	SMP	15	50
BDD-SWSF-080817-D-F	8/8/17 15:45	Boron	19.4	ug/l	J	F	EPA200.8	DUP	15	50
BDD-SWSF-080817-D-F	8/8/17 15:45	Boron	22	ug/l	J	F	EPA200.8	SMP	15	50
BDD-SWSF-080817-D	8/8/17 15:45	Cadmium	1	ug/l		UF	EPA200.8	SMP	0.09	0.3
BDD-SWSF-080817-D-F	8/8/17 15:45	Cadmium	0.09	ug/l	U	F	EPA200.8	DUP	0.09	0.3
BDD-SWSF-080817-D-F	8/8/17 15:45	Cadmium	0.09	ug/l	U	F	EPA200.8	SMP	0.09	0.3
BDD-SWSF-080817-D	8/8/17 15:45	Calcium	180000	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWSF-080817-D-F	8/8/17 15:45	Calcium	31000	ug/l		F	EPA200.8	SMP	300	1000
BDD-SWSF-080817-D-F	8/8/17 15:45	Calcium	31800	ug/l		F	EPA200.8	DUP	300	1000
BDD-SWSF-080817-D	8/8/17 15:45	Chromium	44	ug/l		UF	EPA200.8	SMP	3	10
BDD-SWSF-080817-D-F	8/8/17 15:45	Chromium	3	ug/l	U	F	EPA200.8	SMP	3	10
BDD-SWSF-080817-D-F	8/8/17 15:45	Chromium	3	ug/l	U	F	EPA200.8	DUP	3	10
BDD-SWSF-080817-D	8/8/17 15:45	Cobalt	43	ug/l		UF	EPA200.8	SMP	0.3	1
BDD-SWSF-080817-D-F	8/8/17 15:45	Cobalt	0.81	ug/l	J	F	EPA200.8	SMP	0.3	1
BDD-SWSF-080817-D-F	8/8/17 15:45	Cobalt	0.89	ug/l	J	F	EPA200.8	DUP	0.3	1
BDD-SWSF-080817-D	8/8/17 15:45	Copper	66	ug/l		UF	EPA200.8	SMP	3	10
BDD-SWSF-080817-D-F	8/8/17 15:45	Copper	3	ug/l	U	F	EPA200.8	SMP	3	10

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-080817-D-F	8/8/17 15:45	Copper	3	ug/l	U	F	EPA200.8	DUP	3	10
BDD-SWSF-080817-D	8/8/17 15:45	Iron	49000	ug/l		UF	EPA200.8	SMP	44	100
BDD-SWSF-080817-D-F	8/8/17 15:45	Iron	60.1	ug/l	J	F	EPA200.8	DUP	44	100
BDD-SWSF-080817-D-F	8/8/17 15:45	Iron	58	ug/l	J	F	EPA200.8	SMP	44	100
BDD-SWSF-080817-D	8/8/17 15:45	Lead	88	ug/l		UF	EPA200.8	SMP	0.16	0.5
BDD-SWSF-080817-D-F	8/8/17 15:45	Lead	0.16	ug/l	U	F	EPA200.8	DUP	0.16	0.5
BDD-SWSF-080817-D-F	8/8/17 15:45	Lead	0.17	ug/l	J	F	EPA200.8	SMP	0.16	0.5
BDD-SWSF-080817-D	8/8/17 15:45	Magnesium	38000	ug/l		UF	EPA200.8	SMP	30	100
BDD-SWSF-080817-D-F	8/8/17 15:45	Magnesium	4100	ug/l		F	EPA200.8	SMP	30	100
BDD-SWSF-080817-D-F	8/8/17 15:45	Magnesium	4060	ug/l		F	EPA200.8	DUP	30	100
BDD-SWSF-080817-D	8/8/17 15:45	Manganese	3400	ug/l		UF	EPA200.8	SMP	0.6	2
BDD-SWSF-080817-D-F	8/8/17 15:45	Manganese	68	ug/l		F	EPA200.8	SMP	0.6	2
BDD-SWSF-080817-D-F	8/8/17 15:45	Manganese	66.4	ug/l		F	EPA200.8	DUP	0.6	2
BDD-SWSF-080817-D	8/8/17 15:45	Mercury	0.17	ug/l	J	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-080817-D-F	8/8/17 15:45	Mercury	0.06	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-080817-D	8/8/17 15:45	Nickel	72	ug/l		UF	EPA200.8	SMP	1.9	5
BDD-SWSF-080817-D-F	8/8/17 15:45	Nickel	1.9	ug/l	U	F	EPA200.8	DUP	1.9	5
BDD-SWSF-080817-D-F	8/8/17 15:45	Nickel	2.3	ug/l	J	F	EPA200.8	SMP	1.9	5
BDD-SWSF-080817-D	8/8/17 15:45	Potassium	18000	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWSF-080817-D-F	8/8/17 15:45	Potassium	3400	ug/l		F	EPA200.8	SMP	300	1000
BDD-SWSF-080817-D-F	8/8/17 15:45	Potassium	3290	ug/l		F	EPA200.8	DUP	300	1000
BDD-SWSF-080817-D	8/8/17 15:45	Selenium	8	ug/l		UF	EPA200.8	SMP	0.3	1
BDD-SWSF-080817-D-F	8/8/17 15:45	Selenium	0.3	ug/l	U	F	EPA200.8	SMP	0.3	1
BDD-SWSF-080817-D-F	8/8/17 15:45	Selenium	0.43	ug/l	J	F	EPA200.8	DUP	0.3	1
BDD-SWSF-080817-D	8/8/17 15:45	Silver	0.2	ug/l		UF	EPA200.8	SMP	0.03	0.1
BDD-SWSF-080817-D-F	8/8/17 15:45	Silver	0.03	ug/l	U	F	EPA200.8	DUP	0.03	0.1
BDD-SWSF-080817-D-F	8/8/17 15:45	Silver	0.03	ug/l	U	F	EPA200.8	SMP	0.03	0.1
BDD-SWSF-080817-D	8/8/17 15:45	Sodium	15000	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWSF-080817-D-F	8/8/17 15:45	Sodium	12300	ug/l		F	EPA200.8	DUP	300	1000
BDD-SWSF-080817-D-F	8/8/17 15:45	Sodium	13000	ug/l		F	EPA200.8	SMP	300	1000
BDD-SWSF-080817-D	8/8/17 15:45	Thallium	0.93	ug/l		UF	EPA200.8	SMP	0.15	0.2
BDD-SWSF-080817-D-F	8/8/17 15:45	Thallium	0.15	ug/l	U	F	EPA200.8	SMP	0.15	0.2
BDD-SWSF-080817-D-F	8/8/17 15:45	Thallium	0.15	ug/l	U	F	EPA200.8	DUP	0.15	0.2
BDD-SWSF-080817-D	8/8/17 15:45	Uranium	9.2	ug/l		UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-080817-D-F	8/8/17 15:45	Uranium	1.6	ug/l		F	EPA200.8	SMP	0.038	0.1
BDD-SWSF-080817-D-F	8/8/17 15:45	Uranium	1.55	ug/l		F	EPA200.8	DUP	0.038	0.1
BDD-SWSF-080817-D	8/8/17 15:45	Vanadium	97	ug/l		UF	EPA200.8	SMP	0.3	1
BDD-SWSF-080817-D-F	8/8/17 15:45	Vanadium	5.5	ug/l		F	EPA200.8	SMP	0.3	1
BDD-SWSF-080817-D-F	8/8/17 15:45	Vanadium	5.58	ug/l		F	EPA200.8	DUP	0.3	1
BDD-SWSF-080817-D	8/8/17 15:45	Zinc	230	ug/l		UF	EPA200.8	SMP	6	20
BDD-SWSF-080817-D-F	8/8/17 15:45	Zinc	6	ug/l	U	F	EPA200.8	DUP	6	20
BDD-SWSF-080817-D-F	8/8/17 15:45	Zinc	6	ug/l	U	F	EPA200.8	SMP	6	20
BDD-SWSF-080817-E	8/8/17 16:30	Aluminum	97000	ug/l		UF	EPA200.8	SMP	15	50
BDD-SWSF-080817-E-F	8/8/17 16:30	Aluminum	269	ug/l		F	EPA200.8	DUP	15	50
BDD-SWSF-080817-E-F	8/8/17 16:30	Aluminum	260	ug/l		F	EPA200.8	SMP	15	50
BDD-SWSF-080817-E	8/8/17 16:30	Antimony	0.19	ug/l	J	UF	EPA200.8	SMP	0.09	0.3
BDD-SWSF-080817-E-F	8/8/17 16:30	Antimony	0.52	ug/l		F	EPA200.8	DUP	0.09	0.3
BDD-SWSF-080817-E-F	8/8/17 16:30	Antimony	0.49	ug/l		F	EPA200.8	SMP	0.09	0.3
BDD-SWSF-080817-E	8/8/17 16:30	Arsenic	16	ug/l		UF	EPA200.8	SMP	0.6	2
BDD-SWSF-080817-E-F	8/8/17 16:30	Arsenic	2.3	ug/l		F	EPA200.8	DUP	0.6	2
BDD-SWSF-080817-E-F	8/8/17 16:30	Arsenic	2.3	ug/l		F	EPA200.8	SMP	0.6	2
BDD-SWSF-080817-E	8/8/17 16:30	Barium	2400	ug/l		UF	EPA200.8	SMP	0.6	1
BDD-SWSF-080817-E-F	8/8/17 16:30	Barium	99	ug/l		F	EPA200.8	SMP	0.6	1
BDD-SWSF-080817-E-F	8/8/17 16:30	Barium	102	ug/l		F	EPA200.8	DUP	0.6	1
BDD-SWSF-080817-E	8/8/17 16:30	Beryllium	12	ug/l		UF	EPA200.8	SMP	0.15	0.5
BDD-SWSF-080817-E-F	8/8/17 16:30	Beryllium	0.15	ug/l	U	F	EPA200.8	SMP	0.15	0.5

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-080817-E-F	8/8/17 16:30	Beryllium	0.15	ug/l	U	F	EPA200.8	DUP	0.15	0.5
BDD-SWSF-080817-E	8/8/17 16:30	Boron	75	ug/l		UF	EPA200.8	SMP	15	50
BDD-SWSF-080817-E-F	8/8/17 16:30	Boron	36	ug/l	J	F	EPA200.8	SMP	15	50
BDD-SWSF-080817-E-F	8/8/17 16:30	Boron	39	ug/l	J	F	EPA200.8	DUP	15	50
BDD-SWSF-080817-E	8/8/17 16:30	Cadmium	1.6	ug/l		UF	EPA200.8	SMP	0.09	0.3
BDD-SWSF-080817-E-F	8/8/17 16:30	Cadmium	0.09	ug/l	U	F	EPA200.8	DUP	0.09	0.3
BDD-SWSF-080817-E-F	8/8/17 16:30	Cadmium	0.09	ug/l	U	F	EPA200.8	SMP	0.09	0.3
BDD-SWSF-080817-E	8/8/17 16:30	Calcium	230000	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWSF-080817-E-F	8/8/17 16:30	Calcium	30900	ug/l		F	EPA200.8	DUP	300	1000
BDD-SWSF-080817-E-F	8/8/17 16:30	Calcium	31000	ug/l		F	EPA200.8	SMP	300	1000
BDD-SWSF-080817-E	8/8/17 16:30	Chromium	60	ug/l		UF	EPA200.8	SMP	3	10
BDD-SWSF-080817-E-F	8/8/17 16:30	Chromium	3	ug/l	U	F	EPA200.8	DUP	3	10
BDD-SWSF-080817-E-F	8/8/17 16:30	Chromium	3	ug/l	U	F	EPA200.8	SMP	3	10
BDD-SWSF-080817-E	8/8/17 16:30	Cobalt	64	ug/l		UF	EPA200.8	SMP	0.3	1
BDD-SWSF-080817-E-F	8/8/17 16:30	Cobalt	1.1	ug/l		F	EPA200.8	SMP	0.3	1
BDD-SWSF-080817-E-F	8/8/17 16:30	Cobalt	1.11	ug/l		F	EPA200.8	DUP	0.3	1
BDD-SWSF-080817-E	8/8/17 16:30	Copper	100	ug/l		UF	EPA200.8	SMP	3	10
BDD-SWSF-080817-E-F	8/8/17 16:30	Copper	3	ug/l	U	F	EPA200.8	SMP	3	10
BDD-SWSF-080817-E-F	8/8/17 16:30	Copper	3	ug/l	U	F	EPA200.8	DUP	3	10
BDD-SWSF-080817-E	8/8/17 16:30	Iron	65000	ug/l		UF	EPA200.8	SMP	44	100
BDD-SWSF-080817-E-F	8/8/17 16:30	Iron	96	ug/l	J	F	EPA200.8	SMP	44	100
BDD-SWSF-080817-E-F	8/8/17 16:30	Iron	80.8	ug/l	J	F	EPA200.8	DUP	44	100
BDD-SWSF-080817-E	8/8/17 16:30	Lead	140	ug/l		UF	EPA200.8	SMP	0.16	0.5
BDD-SWSF-080817-E-F	8/8/17 16:30	Lead	0.31	ug/l	J	F	EPA200.8	SMP	0.16	0.5
BDD-SWSF-080817-E-F	8/8/17 16:30	Lead	0.27	ug/l	J	F	EPA200.8	DUP	0.16	0.5
BDD-SWSF-080817-E	8/8/17 16:30	Magnesium	51000	ug/l		UF	EPA200.8	SMP	30	100
BDD-SWSF-080817-E-F	8/8/17 16:30	Magnesium	3500	ug/l		F	EPA200.8	SMP	30	100
BDD-SWSF-080817-E-F	8/8/17 16:30	Magnesium	3520	ug/l		F	EPA200.8	DUP	30	100
BDD-SWSF-080817-E	8/8/17 16:30	Manganese	5200	ug/l		UF	EPA200.8	SMP	0.6	2
BDD-SWSF-080817-E-F	8/8/17 16:30	Manganese	170	ug/l		F	EPA200.8	SMP	0.6	2
BDD-SWSF-080817-E-F	8/8/17 16:30	Manganese	169	ug/l		F	EPA200.8	DUP	0.6	2
BDD-SWSF-080817-E	8/8/17 16:30	Mercury	0.31	ug/l		UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-080817-E-F	8/8/17 16:30	Mercury	0.06	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-080817-E	8/8/17 16:30	Nickel	110	ug/l		UF	EPA200.8	SMP	1.9	5
BDD-SWSF-080817-E-F	8/8/17 16:30	Nickel	1.9	ug/l	U	F	EPA200.8	SMP	1.9	5
BDD-SWSF-080817-E-F	8/8/17 16:30	Nickel	1.9	ug/l	U	F	EPA200.8	DUP	1.9	5
BDD-SWSF-080817-E	8/8/17 16:30	Potassium	25000	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWSF-080817-E-F	8/8/17 16:30	Potassium	4100	ug/l		F	EPA200.8	SMP	300	1000
BDD-SWSF-080817-E-F	8/8/17 16:30	Potassium	3990	ug/l		F	EPA200.8	DUP	300	1000
BDD-SWSF-080817-E	8/8/17 16:30	Selenium	12	ug/l		UF	EPA200.8	SMP	0.3	1
BDD-SWSF-080817-E-F	8/8/17 16:30	Selenium	0.31	ug/l	J	F	EPA200.8	DUP	0.3	1
BDD-SWSF-080817-E-F	8/8/17 16:30	Selenium	0.32	ug/l	J	F	EPA200.8	SMP	0.3	1
BDD-SWSF-080817-E	8/8/17 16:30	Silver	0.3	ug/l		UF	EPA200.8	SMP	0.03	0.1
BDD-SWSF-080817-E-F	8/8/17 16:30	Silver	0.03	ug/l	U	F	EPA200.8	SMP	0.03	0.1
BDD-SWSF-080817-E-F	8/8/17 16:30	Silver	0.03	ug/l	U	F	EPA200.8	DUP	0.03	0.1
BDD-SWSF-080817-E	8/8/17 16:30	Sodium	13000	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWSF-080817-E-F	8/8/17 16:30	Sodium	11000	ug/l		F	EPA200.8	SMP	300	1000
BDD-SWSF-080817-E-F	8/8/17 16:30	Sodium	10900	ug/l		F	EPA200.8	DUP	300	1000
BDD-SWSF-080817-E	8/8/17 16:30	Thallium	1.3	ug/l		UF	EPA200.8	SMP	0.15	0.2
BDD-SWSF-080817-E-F	8/8/17 16:30	Thallium	0.15	ug/l	U	F	EPA200.8	DUP	0.15	0.2
BDD-SWSF-080817-E-F	8/8/17 16:30	Thallium	0.15	ug/l	U	F	EPA200.8	SMP	0.15	0.2
BDD-SWSF-080817-E	8/8/17 16:30	Uranium	12	ug/l		UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-080817-E-F	8/8/17 16:30	Uranium	1.32	ug/l		F	EPA200.8	DUP	0.038	0.1
BDD-SWSF-080817-E-F	8/8/17 16:30	Uranium	1.3	ug/l		F	EPA200.8	SMP	0.038	0.1
BDD-SWSF-080817-E	8/8/17 16:30	Vanadium	120	ug/l		UF	EPA200.8	SMP	0.3	1
BDD-SWSF-080817-E-F	8/8/17 16:30	Vanadium	5.9	ug/l		F	EPA200.8	SMP	0.3	1

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-080817-E-F	8/8/17 16:30	Vanadium	5.79	ug/l		F	EPA200.8	DUP	0.3	1
BDD-SWSF-080817-E	8/8/17 16:30	Zinc	300	ug/l		UF	EPA200.8	SMP	6	20
BDD-SWSF-080817-E-F	8/8/17 16:30	Zinc	6	ug/l	U	F	EPA200.8	SMP	6	20
BDD-SWSF-080817-E-F	8/8/17 16:30	Zinc	6	ug/l	U	F	EPA200.8	DUP	6	20
BDD-SWSF-080817-F	8/8/17 17:15	Aluminum	150000	ug/l		UF	EPA200.8	SMP	15	50
BDD-SWSF-080817-F-F	8/8/17 17:15	Aluminum	1000	ug/l		F	EPA200.8	SMP	15	50
BDD-SWSF-080817-F	8/8/17 17:15	Antimony	0.17	ug/l	J	UF	EPA200.8	SMP	0.09	0.3
BDD-SWSF-080817-F-F	8/8/17 17:15	Antimony	0.62	ug/l		F	EPA200.8	SMP	0.09	0.3
BDD-SWSF-080817-F	8/8/17 17:15	Arsenic	23	ug/l		UF	EPA200.8	SMP	0.6	2
BDD-SWSF-080817-F-F	8/8/17 17:15	Arsenic	2.4	ug/l		F	EPA200.8	SMP	0.6	2
BDD-SWSF-080817-F	8/8/17 17:15	Barium	3600	ug/l		UF	EPA200.8	SMP	0.6	1
BDD-SWSF-080817-F-F	8/8/17 17:15	Barium	120	ug/l		F	EPA200.8	SMP	0.6	1
BDD-SWSF-080817-F	8/8/17 17:15	Beryllium	18	ug/l		UF	EPA200.8	SMP	0.15	0.5
BDD-SWSF-080817-F-F	8/8/17 17:15	Beryllium	0.25	ug/l	J	F	EPA200.8	SMP	0.15	0.5
BDD-SWSF-080817-F	8/8/17 17:15	Boron	110	ug/l		UF	EPA200.8	SMP	15	50
BDD-SWSF-080817-F-F	8/8/17 17:15	Boron	45	ug/l	J	F	EPA200.8	SMP	15	50
BDD-SWSF-080817-F	8/8/17 17:15	Cadmium	2.5	ug/l		UF	EPA200.8	SMP	0.09	0.3
BDD-SWSF-080817-F-F	8/8/17 17:15	Cadmium	0.09	ug/l	U	F	EPA200.8	SMP	0.09	0.3
BDD-SWSF-080817-F	8/8/17 17:15	Calcium	360000	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWSF-080817-F-F	8/8/17 17:15	Calcium	32000	ug/l		F	EPA200.8	SMP	300	1000
BDD-SWSF-080817-F	8/8/17 17:15	Chromium	97	ug/l		UF	EPA200.8	SMP	3	10
BDD-SWSF-080817-F-F	8/8/17 17:15	Chromium	3	ug/l	U	F	EPA200.8	SMP	3	10
BDD-SWSF-080817-F	8/8/17 17:15	Cobalt	99	ug/l		UF	EPA200.8	SMP	0.3	1
BDD-SWSF-080817-F-F	8/8/17 17:15	Cobalt	1.8	ug/l		F	EPA200.8	SMP	0.3	1
BDD-SWSF-080817-F	8/8/17 17:15	Copper	150	ug/l		UF	EPA200.8	SMP	3	10
BDD-SWSF-080817-F-F	8/8/17 17:15	Copper	3.1	ug/l	J	F	EPA200.8	SMP	3	10
BDD-SWSF-080817-F	8/8/17 17:15	Iron	100000	ug/l		UF	EPA200.8	SMP	44	100
BDD-SWSF-080817-F-F	8/8/17 17:15	Iron	630	ug/l		F	EPA200.8	SMP	44	100
BDD-SWSF-080817-F	8/8/17 17:15	Lead	200	ug/l		UF	EPA200.8	SMP	0.16	0.5
BDD-SWSF-080817-F-F	8/8/17 17:15	Lead	1.2	ug/l		F	EPA200.8	SMP	0.16	0.5
BDD-SWSF-080817-F	8/8/17 17:15	Magnesium	76000	ug/l		UF	EPA200.8	SMP	30	100
BDD-SWSF-080817-F-F	8/8/17 17:15	Magnesium	3300	ug/l		F	EPA200.8	SMP	30	100
BDD-SWSF-080817-F	8/8/17 17:15	Manganese	7600	ug/l		UF	EPA200.8	SMP	0.6	2
BDD-SWSF-080817-F-F	8/8/17 17:15	Manganese	210	ug/l		F	EPA200.8	SMP	0.6	2
BDD-SWSF-080817-F	8/8/17 17:15	Mercury	0.47	ug/l		UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-080817-F-F	8/8/17 17:15	Mercury	0.06	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-080817-F	8/8/17 17:15	Nickel	170	ug/l		UF	EPA200.8	SMP	1.9	5
BDD-SWSF-080817-F-F	8/8/17 17:15	Nickel	4.1	ug/l	J	F	EPA200.8	SMP	1.9	5
BDD-SWSF-080817-F	8/8/17 17:15	Potassium	39000	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWSF-080817-F-F	8/8/17 17:15	Potassium	4600	ug/l		F	EPA200.8	SMP	300	1000
BDD-SWSF-080817-F	8/8/17 17:15	Selenium	17	ug/l		UF	EPA200.8	SMP	0.3	1
BDD-SWSF-080817-F-F	8/8/17 17:15	Selenium	0.3	ug/l	U	F	EPA200.8	SMP	0.3	1
BDD-SWSF-080817-F	8/8/17 17:15	Silver	0.47	ug/l		UF	EPA200.8	SMP	0.03	0.1
BDD-SWSF-080817-F-F	8/8/17 17:15	Silver	0.03	ug/l	U	F	EPA200.8	SMP	0.03	0.1
BDD-SWSF-080817-F	8/8/17 17:15	Sodium	14000	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWSF-080817-F-F	8/8/17 17:15	Sodium	10000	ug/l		F	EPA200.8	SMP	300	1000
BDD-SWSF-080817-F	8/8/17 17:15	Thallium	1.9	ug/l		UF	EPA200.8	SMP	0.15	0.2
BDD-SWSF-080817-F-F	8/8/17 17:15	Thallium	0.15	ug/l	U	F	EPA200.8	SMP	0.15	0.2
BDD-SWSF-080817-F	8/8/17 17:15	Uranium	20	ug/l		UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-080817-F-F	8/8/17 17:15	Uranium	1.6	ug/l		F	EPA200.8	SMP	0.038	0.1
BDD-SWSF-080817-F	8/8/17 17:15	Vanadium	170	ug/l		UF	EPA200.8	SMP	0.3	1
BDD-SWSF-080817-F-F	8/8/17 17:15	Vanadium	7	ug/l		F	EPA200.8	SMP	0.3	1
BDD-SWSF-080817-F	8/8/17 17:15	Zinc	430	ug/l		UF	EPA200.8	SMP	6	20
BDD-SWSF-080817-F-F	8/8/17 17:15	Zinc	6	ug/l	U	F	EPA200.8	SMP	6	20
BDD-SWSF-080817-G	8/8/17 17:57	Aluminum	86000	ug/l		UF	EPA200.8	SMP	15	50
BDD-SWSF-080817-G-F	8/8/17 17:57	Aluminum	230	ug/l		F	EPA200.8	SMP	15	50

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-080817-G	8/8/17 17:57	Antimony	0.09	ug/l	J	UF	EPA200.8	SMP	0.09	0.3
BDD-SWSF-080817-G-F	8/8/17 17:57	Antimony	0.57	ug/l		F	EPA200.8	SMP	0.09	0.3
BDD-SWSF-080817-G	8/8/17 17:57	Arsenic	15	ug/l		UF	EPA200.8	SMP	0.6	2
BDD-SWSF-080817-G-F	8/8/17 17:57	Arsenic	2	ug/l	J	F	EPA200.8	SMP	0.6	2
BDD-SWSF-080817-G	8/8/17 17:57	Barium	1800	ug/l		UF	EPA200.8	SMP	0.6	1
BDD-SWSF-080817-G-F	8/8/17 17:57	Barium	92	ug/l		F	EPA200.8	SMP	0.6	1
BDD-SWSF-080817-G	8/8/17 17:57	Beryllium	9.4	ug/l		UF	EPA200.8	SMP	0.15	0.5
BDD-SWSF-080817-G-F	8/8/17 17:57	Beryllium	0.15	ug/l	U	F	EPA200.8	SMP	0.15	0.5
BDD-SWSF-080817-G	8/8/17 17:57	Boron	66	ug/l		UF	EPA200.8	SMP	15	50
BDD-SWSF-080817-G-F	8/8/17 17:57	Boron	28	ug/l	J	F	EPA200.8	SMP	15	50
BDD-SWSF-080817-G	8/8/17 17:57	Cadmium	1.3	ug/l		UF	EPA200.8	SMP	0.09	0.3
BDD-SWSF-080817-G-F	8/8/17 17:57	Cadmium	0.09	ug/l	U	F	EPA200.8	SMP	0.09	0.3
BDD-SWSF-080817-G	8/8/17 17:57	Calcium	200000	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWSF-080817-G-F	8/8/17 17:57	Calcium	31000	ug/l		F	EPA200.8	SMP	300	1000
BDD-SWSF-080817-G	8/8/17 17:57	Chromium	61	ug/l		UF	EPA200.8	SMP	3	10
BDD-SWSF-080817-G-F	8/8/17 17:57	Chromium	3	ug/l	U	F	EPA200.8	SMP	3	10
BDD-SWSF-080817-G	8/8/17 17:57	Cobalt	53	ug/l		UF	EPA200.8	SMP	0.3	1
BDD-SWSF-080817-G-F	8/8/17 17:57	Cobalt	0.98	ug/l	J	F	EPA200.8	SMP	0.3	1
BDD-SWSF-080817-G	8/8/17 17:57	Copper	87	ug/l		UF	EPA200.8	SMP	3	10
BDD-SWSF-080817-G-F	8/8/17 17:57	Copper	3	ug/l	U	F	EPA200.8	SMP	3	10
BDD-SWSF-080817-G	8/8/17 17:57	Iron	60000	ug/l		UF	EPA200.8	SMP	44	100
BDD-SWSF-080817-G-F	8/8/17 17:57	Iron	150	ug/l		F	EPA200.8	SMP	44	100
BDD-SWSF-080817-G	8/8/17 17:57	Lead	99	ug/l		UF	EPA200.8	SMP	0.16	0.5
BDD-SWSF-080817-G-F	8/8/17 17:57	Lead	0.25	ug/l	J	F	EPA200.8	SMP	0.16	0.5
BDD-SWSF-080817-G	8/8/17 17:57	Magnesium	46000	ug/l		UF	EPA200.8	SMP	30	100
BDD-SWSF-080817-G-F	8/8/17 17:57	Magnesium	3600	ug/l		F	EPA200.8	SMP	30	100
BDD-SWSF-080817-G	8/8/17 17:57	Manganese	3900	ug/l		UF	EPA200.8	SMP	0.6	2
BDD-SWSF-080817-G-F	8/8/17 17:57	Manganese	56	ug/l		F	EPA200.8	SMP	0.6	2
BDD-SWSF-080817-G	8/8/17 17:57	Mercury	0.22	ug/l		UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-080817-G-F	8/8/17 17:57	Mercury	0.06	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-080817-G	8/8/17 17:57	Nickel	97	ug/l		UF	EPA200.8	SMP	1.9	5
BDD-SWSF-080817-G-F	8/8/17 17:57	Nickel	1.9	ug/l	U	F	EPA200.8	SMP	1.9	5
BDD-SWSF-080817-G	8/8/17 17:57	Potassium	24000	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWSF-080817-G-F	8/8/17 17:57	Potassium	3800	ug/l		F	EPA200.8	SMP	300	1000
BDD-SWSF-080817-G	8/8/17 17:57	Selenium	8.3	ug/l		UF	EPA200.8	SMP	0.3	1
BDD-SWSF-080817-G-F	8/8/17 17:57	Selenium	0.3	ug/l	U	F	EPA200.8	SMP	0.3	1
BDD-SWSF-080817-G	8/8/17 17:57	Silver	0.24	ug/l		UF	EPA200.8	SMP	0.03	0.1
BDD-SWSF-080817-G-F	8/8/17 17:57	Silver	0.03	ug/l	U	F	EPA200.8	SMP	0.03	0.1
BDD-SWSF-080817-G	8/8/17 17:57	Sodium	14000	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWSF-080817-G-F	8/8/17 17:57	Sodium	12000	ug/l		F	EPA200.8	SMP	300	1000
BDD-SWSF-080817-G	8/8/17 17:57	Thallium	1.1	ug/l		UF	EPA200.8	SMP	0.15	0.2
BDD-SWSF-080817-G-F	8/8/17 17:57	Thallium	0.15	ug/l	U	F	EPA200.8	SMP	0.15	0.2
BDD-SWSF-080817-G	8/8/17 17:57	Uranium	12	ug/l		UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-080817-G-F	8/8/17 17:57	Uranium	1.8	ug/l		F	EPA200.8	SMP	0.038	0.1
BDD-SWSF-080817-G	8/8/17 17:57	Vanadium	100	ug/l		UF	EPA200.8	SMP	0.3	1
BDD-SWSF-080817-G-F	8/8/17 17:57	Vanadium	5.9	ug/l		F	EPA200.8	SMP	0.3	1
BDD-SWSF-080817-G	8/8/17 17:57	Zinc	250	ug/l		UF	EPA200.8	SMP	6	20
BDD-SWSF-080817-G-F	8/8/17 17:57	Zinc	6	ug/l	U	F	EPA200.8	SMP	6	20
BDD-SWSF-080817-H	8/8/17 18:42	Aluminum	51000	ug/l		UF	EPA200.8	SMP	15	50
BDD-SWSF-080817-H-F	8/8/17 18:42	Aluminum	380	ug/l		F	EPA200.8	SMP	15	50
BDD-SWSF-080817-H	8/8/17 18:42	Antimony	0.09	ug/l	U	UF	EPA200.8	SMP	0.09	0.3
BDD-SWSF-080817-H-F	8/8/17 18:42	Antimony	3.2	ug/l		F	EPA200.8	SMP	0.09	0.3
BDD-SWSF-080817-H	8/8/17 18:42	Arsenic	9.2	ug/l		UF	EPA200.8	SMP	0.6	2
BDD-SWSF-080817-H-F	8/8/17 18:42	Arsenic	7.8	ug/l		F	EPA200.8	SMP	0.6	2
BDD-SWSF-080817-H	8/8/17 18:42	Barium	970	ug/l		UF	EPA200.8	SMP	0.6	1
BDD-SWSF-080817-H-F	8/8/17 18:42	Barium	92	ug/l		F	EPA200.8	SMP	0.6	1

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-080817-H	8/8/17 18:42	Beryllium	5	ug/l		UF	EPA200.8	SMP	0.15	0.5
BDD-SWSF-080817-H-F	8/8/17 18:42	Beryllium	0.32	ug/l	J	F	EPA200.8	SMP	0.15	0.5
BDD-SWSF-080817-H	8/8/17 18:42	Boron	47	ug/l	J	UF	EPA200.8	SMP	15	50
BDD-SWSF-080817-H-F	8/8/17 18:42	Boron	29	ug/l	J	F	EPA200.8	SMP	15	50
BDD-SWSF-080817-H	8/8/17 18:42	Cadmium	0.59	ug/l		UF	EPA200.8	SMP	0.09	0.3
BDD-SWSF-080817-H-F	8/8/17 18:42	Cadmium	3	ug/l		F	EPA200.8	SMP	0.09	0.3
BDD-SWSF-080817-H	8/8/17 18:42	Calcium	120000	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWSF-080817-H-F	8/8/17 18:42	Calcium	34000	ug/l		F	EPA200.8	SMP	300	1000
BDD-SWSF-080817-H	8/8/17 18:42	Chromium	32	ug/l		UF	EPA200.8	SMP	3	10
BDD-SWSF-080817-H-F	8/8/17 18:42	Chromium	3	ug/l	U	F	EPA200.8	SMP	3	10
BDD-SWSF-080817-H	8/8/17 18:42	Cobalt	29	ug/l		UF	EPA200.8	SMP	0.3	1
BDD-SWSF-080817-H-F	8/8/17 18:42	Cobalt	3.5	ug/l		F	EPA200.8	SMP	0.3	1
BDD-SWSF-080817-H	8/8/17 18:42	Copper	51	ug/l		UF	EPA200.8	SMP	3	10
BDD-SWSF-080817-H-F	8/8/17 18:42	Copper	5.2	ug/l	J	F	EPA200.8	SMP	3	10
BDD-SWSF-080817-H	8/8/17 18:42	Iron	34000	ug/l		UF	EPA200.8	SMP	44	100
BDD-SWSF-080817-H-F	8/8/17 18:42	Iron	240	ug/l		F	EPA200.8	SMP	44	100
BDD-SWSF-080817-H	8/8/17 18:42	Lead	51	ug/l		UF	EPA200.8	SMP	0.16	0.5
BDD-SWSF-080817-H-F	8/8/17 18:42	Lead	3.3	ug/l		F	EPA200.8	SMP	0.16	0.5
BDD-SWSF-080817-H	8/8/17 18:42	Magnesium	30000	ug/l		UF	EPA200.8	SMP	30	100
BDD-SWSF-080817-H-F	8/8/17 18:42	Magnesium	4500	ug/l		F	EPA200.8	SMP	30	100
BDD-SWSF-080817-H	8/8/17 18:42	Manganese	2100	ug/l		UF	EPA200.8	SMP	0.6	2
BDD-SWSF-080817-H-F	8/8/17 18:42	Manganese	14	ug/l		F	EPA200.8	SMP	0.6	2
BDD-SWSF-080817-H	8/8/17 18:42	Mercury	0.11	ug/l	J	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-080817-H-F	8/8/17 18:42	Mercury	0.06	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-080817-H	8/8/17 18:42	Nickel	52	ug/l		UF	EPA200.8	SMP	1.9	5
BDD-SWSF-080817-H-F	8/8/17 18:42	Nickel	5.4	ug/l		F	EPA200.8	SMP	1.9	5
BDD-SWSF-080817-H	8/8/17 18:42	Potassium	14000	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWSF-080817-H-F	8/8/17 18:42	Potassium	3400	ug/l		F	EPA200.8	SMP	300	1000
BDD-SWSF-080817-H	8/8/17 18:42	Selenium	4.5	ug/l		UF	EPA200.8	SMP	0.3	1
BDD-SWSF-080817-H-F	8/8/17 18:42	Selenium	11	ug/l		F	EPA200.8	SMP	0.3	1
BDD-SWSF-080817-H	8/8/17 18:42	Silver	0.11	ug/l		UF	EPA200.8	SMP	0.03	0.1
BDD-SWSF-080817-H-F	8/8/17 18:42	Silver	0.03	ug/l	U	F	EPA200.8	SMP	0.03	0.1
BDD-SWSF-080817-H	8/8/17 18:42	Sodium	15000	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWSF-080817-H-F	8/8/17 18:42	Sodium	14000	ug/l		F	EPA200.8	SMP	300	1000
BDD-SWSF-080817-H	8/8/17 18:42	Thallium	0.57	ug/l		UF	EPA200.8	SMP	0.15	0.2
BDD-SWSF-080817-H-F	8/8/17 18:42	Thallium	11	ug/l		F	EPA200.8	SMP	0.15	0.2
BDD-SWSF-080817-H	8/8/17 18:42	Uranium	6.6	ug/l		UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-080817-H-F	8/8/17 18:42	Uranium	1.9	ug/l		F	EPA200.8	SMP	0.038	0.1
BDD-SWSF-080817-H	8/8/17 18:42	Vanadium	62	ug/l		UF	EPA200.8	SMP	0.3	1
BDD-SWSF-080817-H-F	8/8/17 18:42	Vanadium	8.7	ug/l		F	EPA200.8	SMP	0.3	1
BDD-SWSF-080817-H	8/8/17 18:42	Zinc	140	ug/l		UF	EPA200.8	SMP	6	20
BDD-SWSF-080817-H-F	8/8/17 18:42	Zinc	7.1	ug/l	J	F	EPA200.8	SMP	6	20
BDD-SWSF-080817-I	8/8/17 19:27	Aluminum	34000	ug/l		UF	EPA200.8	SMP	15	50
BDD-SWSF-080817-I-F	8/8/17 19:27	Aluminum	130	ug/l		F	EPA200.8	SMP	15	50
BDD-SWSF-080817-I	8/8/17 19:27	Antimony	0.1	ug/l	J	UF	EPA200.8	SMP	0.09	0.3
BDD-SWSF-080817-I-F	8/8/17 19:27	Antimony	0.46	ug/l		F	EPA200.8	SMP	0.09	0.3
BDD-SWSF-080817-I	8/8/17 19:27	Arsenic	6.6	ug/l		UF	EPA200.8	SMP	0.6	2
BDD-SWSF-080817-I-F	8/8/17 19:27	Arsenic	2.1	ug/l		F	EPA200.8	SMP	0.6	2
BDD-SWSF-080817-I	8/8/17 19:27	Barium	690	ug/l		UF	EPA200.8	SMP	0.6	1
BDD-SWSF-080817-I-F	8/8/17 19:27	Barium	86	ug/l		F	EPA200.8	SMP	0.6	1
BDD-SWSF-080817-I	8/8/17 19:27	Beryllium	3.4	ug/l		UF	EPA200.8	SMP	0.15	0.5
BDD-SWSF-080817-I-F	8/8/17 19:27	Beryllium	0.15	ug/l	U	F	EPA200.8	SMP	0.15	0.5
BDD-SWSF-080817-I	8/8/17 19:27	Boron	41	ug/l	J	UF	EPA200.8	SMP	15	50
BDD-SWSF-080817-I-F	8/8/17 19:27	Boron	28	ug/l	J	F	EPA200.8	SMP	15	50
BDD-SWSF-080817-I	8/8/17 19:27	Cadmium	0.45	ug/l		UF	EPA200.8	SMP	0.09	0.3
BDD-SWSF-080817-I-F	8/8/17 19:27	Cadmium	0.09	ug/l	U	F	EPA200.8	SMP	0.09	0.3

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-080817-I	8/8/17 19:27	Calcium	96000	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWSF-080817-I-F	8/8/17 19:27	Calcium	33000	ug/l		F	EPA200.8	SMP	300	1000
BDD-SWSF-080817-I	8/8/17 19:27	Chromium	21	ug/l		UF	EPA200.8	SMP	3	10
BDD-SWSF-080817-I-F	8/8/17 19:27	Chromium	3	ug/l	U	F	EPA200.8	SMP	3	10
BDD-SWSF-080817-I	8/8/17 19:27	Cobalt	19	ug/l		UF	EPA200.8	SMP	0.3	1
BDD-SWSF-080817-I-F	8/8/17 19:27	Cobalt	0.74	ug/l	J	F	EPA200.8	SMP	0.3	1
BDD-SWSF-080817-I	8/8/17 19:27	Copper	33	ug/l		UF	EPA200.8	SMP	3	10
BDD-SWSF-080817-I-F	8/8/17 19:27	Copper	3	ug/l	U	F	EPA200.8	SMP	3	10
BDD-SWSF-080817-I	8/8/17 19:27	Iron	22000	ug/l		UF	EPA200.8	SMP	44	100
BDD-SWSF-080817-I-F	8/8/17 19:27	Iron	77	ug/l	J	F	EPA200.8	SMP	44	100
BDD-SWSF-080817-I	8/8/17 19:27	Lead	32	ug/l		UF	EPA200.8	SMP	0.16	0.5
BDD-SWSF-080817-I-F	8/8/17 19:27	Lead	0.16	ug/l	U	F	EPA200.8	SMP	0.16	0.5
BDD-SWSF-080817-I	8/8/17 19:27	Magnesium	23000	ug/l		UF	EPA200.8	SMP	30	100
BDD-SWSF-080817-I-F	8/8/17 19:27	Magnesium	4900	ug/l		F	EPA200.8	SMP	30	100
BDD-SWSF-080817-I	8/8/17 19:27	Manganese	1400	ug/l		UF	EPA200.8	SMP	0.6	2
BDD-SWSF-080817-I-F	8/8/17 19:27	Manganese	4.4	ug/l		F	EPA200.8	SMP	0.6	2
BDD-SWSF-080817-I	8/8/17 19:27	Mercury	0.068	ug/l	J	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-080817-I-F	8/8/17 19:27	Mercury	0.06	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-080817-I	8/8/17 19:27	Nickel	35	ug/l		UF	EPA200.8	SMP	1.9	5
BDD-SWSF-080817-I-F	8/8/17 19:27	Nickel	1.9	ug/l	U	F	EPA200.8	SMP	1.9	5
BDD-SWSF-080817-I	8/8/17 19:27	Potassium	10000	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWSF-080817-I-F	8/8/17 19:27	Potassium	3200	ug/l		F	EPA200.8	SMP	300	1000
BDD-SWSF-080817-I	8/8/17 19:27	Selenium	3.4	ug/l		UF	EPA200.8	SMP	0.3	1
BDD-SWSF-080817-I-F	8/8/17 19:27	Selenium	0.31	ug/l	J	F	EPA200.8	SMP	0.3	1
BDD-SWSF-080817-I	8/8/17 19:27	Silver	0.08	ug/l	J	UF	EPA200.8	SMP	0.03	0.1
BDD-SWSF-080817-I-F	8/8/17 19:27	Silver	0.03	ug/l	U	F	EPA200.8	SMP	0.03	0.1
BDD-SWSF-080817-I	8/8/17 19:27	Sodium	15000	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWSF-080817-I-F	8/8/17 19:27	Sodium	14000	ug/l		F	EPA200.8	SMP	300	1000
BDD-SWSF-080817-I	8/8/17 19:27	Thallium	0.51	ug/l		UF	EPA200.8	SMP	0.15	0.2
BDD-SWSF-080817-I-F	8/8/17 19:27	Thallium	0.15	ug/l	U	F	EPA200.8	SMP	0.15	0.2
BDD-SWSF-080817-I	8/8/17 19:27	Uranium	4.5	ug/l		UF	EPA200.8	SMP	0.038	0.1
BDD-SWSF-080817-I-F	8/8/17 19:27	Uranium	1.8	ug/l		F	EPA200.8	SMP	0.038	0.1
BDD-SWSF-080817-I	8/8/17 19:27	Vanadium	45	ug/l		UF	EPA200.8	SMP	0.3	1
BDD-SWSF-080817-I-F	8/8/17 19:27	Vanadium	5.9	ug/l		F	EPA200.8	SMP	0.3	1
BDD-SWSF-080817-I	8/8/17 19:27	Zinc	92	ug/l		UF	EPA200.8	SMP	6	20
BDD-SWSF-080817-I-F	8/8/17 19:27	Zinc	6	ug/l	U	F	EPA200.8	SMP	6	20
BDD-SWBF-083017-A	8/30/17 10:00	Aluminum	12200	ug/l		UF	EPA200.8	DUP	15	50
BDD-SWBF-083017-A	8/30/17 10:00	Aluminum	13000	ug/l		UF	EPA200.8	SMP	15	50
BDD-SWBF-083017-A-F	8/30/17 10:00	Aluminum	32	ug/l	J	F	EPA200.8	SMP	15	50
BDD-SWBF-083017-A	8/30/17 10:00	Antimony	0.15	ug/l	J	UF	EPA200.8	DUP	0.09	0.3
BDD-SWBF-083017-A	8/30/17 10:00	Antimony	0.14	ug/l	J	UF	EPA200.8	SMP	0.09	0.3
BDD-SWBF-083017-A-F	8/30/17 10:00	Antimony	1.1	ug/l		F	EPA200.8	SMP	0.09	0.3
BDD-SWBF-083017-A	8/30/17 10:00	Arsenic	4.9	ug/l		UF	EPA200.8	SMP	0.6	2
BDD-SWBF-083017-A	8/30/17 10:00	Arsenic	4.67	ug/l		UF	EPA200.8	DUP	0.6	2
BDD-SWBF-083017-A-F	8/30/17 10:00	Arsenic	1.7	ug/l	J	F	EPA200.8	SMP	0.6	2
BDD-SWBF-083017-A	8/30/17 10:00	Barium	250	ug/l		UF	EPA200.8	SMP	0.6	1
BDD-SWBF-083017-A	8/30/17 10:00	Barium	245	ug/l		UF	EPA200.8	DUP	0.6	1
BDD-SWBF-083017-A-F	8/30/17 10:00	Barium	71	ug/l		F	EPA200.8	SMP	0.6	1
BDD-SWBF-083017-A	8/30/17 10:00	Beryllium	0.76	ug/l		UF	EPA200.8	DUP	0.15	0.5
BDD-SWBF-083017-A	8/30/17 10:00	Beryllium	0.79	ug/l		UF	EPA200.8	SMP	0.15	0.5
BDD-SWBF-083017-A-F	8/30/17 10:00	Beryllium	0.15	ug/l	U	F	EPA200.8	SMP	0.15	0.5
BDD-SWBF-083017-A	8/30/17 10:00	Boron	53	ug/l		UF	EPA200.8	SMP	15	50
BDD-SWBF-083017-A	8/30/17 10:00	Boron	48.1	ug/l	J	UF	EPA200.8	DUP	15	50
BDD-SWBF-083017-A-F	8/30/17 10:00	Boron	62	ug/l		F	EPA200.8	SMP	15	50
BDD-SWBF-083017-A	8/30/17 10:00	Cadmium	0.16	ug/l	J	UF	EPA200.8	SMP	0.09	0.3
BDD-SWBF-083017-A	8/30/17 10:00	Cadmium	0.13	ug/l	J	UF	EPA200.8	DUP	0.09	0.3

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWBF-083017-A-F	8/30/17 10:00	Cadmium	0.09	ug/l	U	F	EPA200.8	SMP	0.09	0.3
BDD-SWBF-083017-A	8/30/17 10:00	Calcium	56400	ug/l		UF	EPA200.8	DUP	300	1000
BDD-SWBF-083017-A	8/30/17 10:00	Calcium	55000	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWBF-083017-A-F	8/30/17 10:00	Calcium	34000	ug/l		F	EPA200.8	SMP	300	1000
BDD-SWBF-083017-A	8/30/17 10:00	Chromium	9.69	ug/l	J	UF	EPA200.8	DUP	3	10
BDD-SWBF-083017-A	8/30/17 10:00	Chromium	10	ug/l		UF	EPA200.8	SMP	3	10
BDD-SWBF-083017-A-F	8/30/17 10:00	Chromium	3	ug/l	U	F	EPA200.8	SMP	3	10
BDD-SWBF-083017-A	8/30/17 10:00	Cobalt	6.48	ug/l		UF	EPA200.8	DUP	0.3	1
BDD-SWBF-083017-A	8/30/17 10:00	Cobalt	6.2	ug/l		UF	EPA200.8	SMP	0.3	1
BDD-SWBF-083017-A-F	8/30/17 10:00	Cobalt	0.81	ug/l	J	F	EPA200.8	SMP	0.3	1
BDD-SWBF-083017-A	8/30/17 10:00	Copper	11.8	ug/l		UF	EPA200.8	DUP	3	10
BDD-SWBF-083017-A	8/30/17 10:00	Copper	12	ug/l		UF	EPA200.8	SMP	3	10
BDD-SWBF-083017-A-F	8/30/17 10:00	Copper	3	ug/l	U	F	EPA200.8	SMP	3	10
BDD-SWBF-083017-A	8/30/17 10:00	Iron	9520	ug/l		UF	EPA200.8	DUP	44	100
BDD-SWBF-083017-A	8/30/17 10:00	Iron	10000	ug/l		UF	EPA200.8	SMP	44	100
BDD-SWBF-083017-A-F	8/30/17 10:00	Iron	60	ug/l	J	F	EPA200.8	SMP	44	100
BDD-SWBF-083017-A	8/30/17 10:00	Lead	10.2	ug/l		UF	EPA200.8	DUP	0.16	0.5
BDD-SWBF-083017-A	8/30/17 10:00	Lead	10	ug/l		UF	EPA200.8	SMP	0.16	0.5
BDD-SWBF-083017-A-F	8/30/17 10:00	Lead	0.26	ug/l	J	F	EPA200.8	SMP	0.16	0.5
BDD-SWBF-083017-A	8/30/17 10:00	Magnesium	10700	ug/l		UF	EPA200.8	DUP	30	100
BDD-SWBF-083017-A	8/30/17 10:00	Magnesium	11000	ug/l		UF	EPA200.8	SMP	30	100
BDD-SWBF-083017-A-F	8/30/17 10:00	Magnesium	5300	ug/l		F	EPA200.8	SMP	30	100
BDD-SWBF-083017-A	8/30/17 10:00	Manganese	433	ug/l		UF	EPA200.8	DUP	0.6	2
BDD-SWBF-083017-A	8/30/17 10:00	Manganese	420	ug/l		UF	EPA200.8	SMP	0.6	2
BDD-SWBF-083017-A-F	8/30/17 10:00	Manganese	4.2	ug/l		F	EPA200.8	SMP	0.6	2
BDD-SWBF-083017-A	8/30/17 10:00	Mercury	0.06	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWBF-083017-A-F	8/30/17 10:00	Mercury	0.06	ug/l	U	F	EPA245.1	DUP	0.06	0.2
BDD-SWBF-083017-A-F	8/30/17 10:00	Mercury	0.06	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWBF-083017-A	8/30/17 10:00	Nickel	8.7	ug/l		UF	EPA200.8	SMP	1.9	5
BDD-SWBF-083017-A	8/30/17 10:00	Nickel	9.31	ug/l		UF	EPA200.8	DUP	1.9	5
BDD-SWBF-083017-A-F	8/30/17 10:00	Nickel	1.9	ug/l	U	F	EPA200.8	SMP	1.9	5
BDD-SWBF-083017-A	8/30/17 10:00	Potassium	4500	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWBF-083017-A	8/30/17 10:00	Potassium	4440	ug/l		UF	EPA200.8	DUP	300	1000
BDD-SWBF-083017-A-F	8/30/17 10:00	Potassium	2200	ug/l		F	EPA200.8	SMP	300	1000
BDD-SWBF-083017-A	8/30/17 10:00	Selenium	1.36	ug/l		UF	EPA200.8	DUP	0.3	1
BDD-SWBF-083017-A	8/30/17 10:00	Selenium	0.78	ug/l	J	UF	EPA200.8	SMP	0.3	1
BDD-SWBF-083017-A-F	8/30/17 10:00	Selenium	0.3	ug/l	U	F	EPA200.8	SMP	0.3	1
BDD-SWBF-083017-A	8/30/17 10:00	Silver	0.07	ug/l	J	UF	EPA200.8	SMP	0.03	0.1
BDD-SWBF-083017-A	8/30/17 10:00	Silver	0.07	ug/l	J	UF	EPA200.8	DUP	0.03	0.1
BDD-SWBF-083017-A-F	8/30/17 10:00	Silver	0.03	ug/l	U	F	EPA200.8	SMP	0.03	0.1
BDD-SWBF-083017-A	8/30/17 10:00	Sodium	12000	ug/l		UF	EPA200.8	SMP	300	1000
BDD-SWBF-083017-A	8/30/17 10:00	Sodium	11800	ug/l		UF	EPA200.8	DUP	300	1000
BDD-SWBF-083017-A-F	8/30/17 10:00	Sodium	12000	ug/l		F	EPA200.8	SMP	300	1000
BDD-SWBF-083017-A	8/30/17 10:00	Thallium	0.15	ug/l	U	UF	EPA200.8	DUP	0.15	0.2
BDD-SWBF-083017-A	8/30/17 10:00	Thallium	0.15	ug/l	U	UF	EPA200.8	SMP	0.15	0.2
BDD-SWBF-083017-A-F	8/30/17 10:00	Thallium	0.15	ug/l	U	F	EPA200.8	SMP	0.15	0.2
BDD-SWBF-083017-A	8/30/17 10:00	Uranium	2.04	ug/l		UF	EPA200.8	DUP	0.038	0.1
BDD-SWBF-083017-A	8/30/17 10:00	Uranium	2	ug/l		UF	EPA200.8	SMP	0.038	0.1
BDD-SWBF-083017-A-F	8/30/17 10:00	Uranium	1.5	ug/l		F	EPA200.8	SMP	0.038	0.1
BDD-SWBF-083017-A	8/30/17 10:00	Vanadium	22.4	ug/l		UF	EPA200.8	DUP	0.3	1
BDD-SWBF-083017-A	8/30/17 10:00	Vanadium	22	ug/l		UF	EPA200.8	SMP	0.3	1
BDD-SWBF-083017-A-F	8/30/17 10:00	Vanadium	4.6	ug/l		F	EPA200.8	SMP	0.3	1
BDD-SWBF-083017-A	8/30/17 10:00	Zinc	41	ug/l		UF	EPA200.8	SMP	6	20
BDD-SWBF-083017-A	8/30/17 10:00	Zinc	44.8	ug/l		UF	EPA200.8	DUP	6	20
BDD-SWBF-083017-A-F	8/30/17 10:00	Zinc	52	ug/l		F	EPA200.8	SMP	6	20
BDD-SWSF-092817-A	9/28/17 0:08	Aluminum	49000	ug/l		UF	EPA200.8	SMP	8.6	50

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-092817-A-F	9/28/17 0:08	Aluminum	55.2	ug/l		F	EPA200.8	DUP	8.6	50
BDD-SWSF-092817-A-F	9/28/17 0:08	Aluminum	740	ug/l		F	EPA200.8	SMP	8.6	50
BDD-SWSF-092817-A	9/28/17 0:08	Antimony	0.07	ug/l	J	UF	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092817-A-F	9/28/17 0:08	Antimony	0.51	ug/l		F	EPA200.8	DUP	0.0564	0.3
BDD-SWSF-092817-A-F	9/28/17 0:08	Antimony	0.41	ug/l		F	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092817-A	9/28/17 0:08	Arsenic	13	ug/l		UF	EPA200.8	SMP	0.19	2
BDD-SWSF-092817-A-F	9/28/17 0:08	Arsenic	1.78	ug/l	J	F	EPA200.8	DUP	0.191	2
BDD-SWSF-092817-A-F	9/28/17 0:08	Arsenic	1.6	ug/l	J	F	EPA200.8	SMP	0.19	2
BDD-SWSF-092817-A	9/28/17 0:08	Barium	1100	ug/l		UF	EPA200.8	SMP	0.39	1
BDD-SWSF-092817-A-F	9/28/17 0:08	Barium	76.9	ug/l		F	EPA200.8	DUP	0.389	1
BDD-SWSF-092817-A-F	9/28/17 0:08	Barium	78	ug/l		F	EPA200.8	SMP	0.39	1
BDD-SWSF-092817-A	9/28/17 0:08	Beryllium	4.6	ug/l		UF	EPA200.8	SMP	0.084	0.5
BDD-SWSF-092817-A-F	9/28/17 0:08	Beryllium	0.0837	ug/l	U	F	EPA200.8	DUP	0.0837	0.5
BDD-SWSF-092817-A-F	9/28/17 0:08	Beryllium	0.084	ug/l	U	F	EPA200.8	SMP	0.084	0.5
BDD-SWSF-092817-A	9/28/17 0:08	Boron	52	ug/l		UF	EPA200.8	SMP	4.8	50
BDD-SWSF-092817-A-F	9/28/17 0:08	Boron	22.6	ug/l	J	F	EPA200.8	DUP	4.85	50
BDD-SWSF-092817-A-F	9/28/17 0:08	Boron	26	ug/l	J	F	EPA200.8	SMP	4.8	50
BDD-SWSF-092817-A	9/28/17 0:08	Cadmium	0.69	ug/l		UF	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092817-A-F	9/28/17 0:08	Cadmium	0.0561	ug/l	U	F	EPA200.8	DUP	0.0561	0.3
BDD-SWSF-092817-A-F	9/28/17 0:08	Cadmium	0.056	ug/l	U	F	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092817-A	9/28/17 0:08	Calcium	190000	ug/l		UF	EPA200.8	SMP	88	1000
BDD-SWSF-092817-A-F	9/28/17 0:08	Calcium	32500	ug/l		F	EPA200.8	DUP	88.4	1000
BDD-SWSF-092817-A-F	9/28/17 0:08	Calcium	33000	ug/l		F	EPA200.8	SMP	88	1000
BDD-SWSF-092817-A	9/28/17 0:08	Chromium	46	ug/l		UF	EPA200.8	SMP	0.92	10
BDD-SWSF-092817-A-F	9/28/17 0:08	Chromium	2.15	ug/l	J	F	EPA200.8	DUP	0.916	10
BDD-SWSF-092817-A-F	9/28/17 0:08	Chromium	2.7	ug/l	J	F	EPA200.8	SMP	0.92	10
BDD-SWSF-092817-A	9/28/17 0:08	Cobalt	32	ug/l		UF	EPA200.8	SMP	0.18	1
BDD-SWSF-092817-A-F	9/28/17 0:08	Cobalt	0.57	ug/l	J	F	EPA200.8	DUP	0.178	1
BDD-SWSF-092817-A-F	9/28/17 0:08	Cobalt	0.57	ug/l	J	F	EPA200.8	SMP	0.18	1
BDD-SWSF-092817-A	9/28/17 0:08	Copper	49	ug/l		UF	EPA200.8	SMP	1.7	10
BDD-SWSF-092817-A-F	9/28/17 0:08	Copper	1.71	ug/l	U	F	EPA200.8	DUP	1.71	10
BDD-SWSF-092817-A-F	9/28/17 0:08	Copper	1.7	ug/l	U	F	EPA200.8	SMP	1.7	10
BDD-SWSF-092817-A	9/28/17 0:08	Iron	38000	ug/l		UF	EPA200.8	SMP	9.4	100
BDD-SWSF-092817-A-F	9/28/17 0:08	Iron	51.1	ug/l	J	F	EPA200.8	DUP	9.37	100
BDD-SWSF-092817-A-F	9/28/17 0:08	Iron	89	ug/l	J	F	EPA200.8	SMP	9.4	100
BDD-SWSF-092817-A	9/28/17 0:08	Lead	52	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-092817-A-F	9/28/17 0:08	Lead	0.128	ug/l	U	F	EPA200.8	DUP	0.128	0.5
BDD-SWSF-092817-A-F	9/28/17 0:08	Lead	0.13	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-092817-A	9/28/17 0:08	Magnesium	33000	ug/l		UF	EPA200.8	SMP	14	100
BDD-SWSF-092817-A-F	9/28/17 0:08	Magnesium	4380	ug/l		F	EPA200.8	DUP	13.6	100
BDD-SWSF-092817-A-F	9/28/17 0:08	Magnesium	4200	ug/l		F	EPA200.8	SMP	14	100
BDD-SWSF-092817-A	9/28/17 0:08	Manganese	2100	ug/l		UF	EPA200.8	SMP	0.31	2
BDD-SWSF-092817-A-F	9/28/17 0:08	Manganese	2.91	ug/l		F	EPA200.8	DUP	0.311	2
BDD-SWSF-092817-A-F	9/28/17 0:08	Manganese	3.6	ug/l		F	EPA200.8	SMP	0.31	2
BDD-SWSF-092817-A	9/28/17 0:08	Mercury	0.06	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-092817-A-F	9/28/17 0:08	Mercury	0.06	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-092817-A	9/28/17 0:08	Nickel	55	ug/l		UF	EPA200.8	SMP	0.89	5
BDD-SWSF-092817-A-F	9/28/17 0:08	Nickel	2.05	ug/l	J	F	EPA200.8	DUP	0.886	5
BDD-SWSF-092817-A-F	9/28/17 0:08	Nickel	2	ug/l	J	F	EPA200.8	SMP	0.89	5
BDD-SWSF-092817-A	9/28/17 0:08	Potassium	15000	ug/l		UF	EPA200.8	SMP	69	1000
BDD-SWSF-092817-A-F	9/28/17 0:08	Potassium	2310	ug/l		F	EPA200.8	DUP	69.2	1000
BDD-SWSF-092817-A-F	9/28/17 0:08	Potassium	2300	ug/l		F	EPA200.8	SMP	69	1000
BDD-SWSF-092817-A	9/28/17 0:08	Selenium	5.3	ug/l		UF	EPA200.8	SMP	0.22	1
BDD-SWSF-092817-A-F	9/28/17 0:08	Selenium	0.32	ug/l	J	F	EPA200.8	DUP	0.222	1
BDD-SWSF-092817-A-F	9/28/17 0:08	Selenium	0.22	ug/l	U	F	EPA200.8	SMP	0.22	1
BDD-SWSF-092817-A	9/28/17 0:08	Silver	0.11	ug/l		UF	EPA200.8	SMP	0.02	0.1

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-092817-A-F	9/28/17 0:08	Silver	0.0204	ug/l	U	F	EPA200.8	DUP	0.0204	0.1
BDD-SWSF-092817-A-F	9/28/17 0:08	Silver	0.02	ug/l	U	F	EPA200.8	SMP	0.02	0.1
BDD-SWSF-092817-A	9/28/17 0:08	Sodium	12000	ug/l		UF	EPA200.8	SMP	78	1000
BDD-SWSF-092817-A-F	9/28/17 0:08	Sodium	11300	ug/l		F	EPA200.8	DUP	78.5	1000
BDD-SWSF-092817-A-F	9/28/17 0:08	Sodium	11000	ug/l		F	EPA200.8	SMP	78	1000
BDD-SWSF-092817-A	9/28/17 0:08	Thallium	0.72	ug/l		UF	EPA200.8	SMP	0.015	0.2
BDD-SWSF-092817-A-F	9/28/17 0:08	Thallium	0.0146	ug/l	U	F	EPA200.8	DUP	0.0146	0.2
BDD-SWSF-092817-A-F	9/28/17 0:08	Thallium	0.015	ug/l	U	F	EPA200.8	SMP	0.015	0.2
BDD-SWSF-092817-A	9/28/17 0:08	Uranium	13	ug/l		UF	EPA200.8	SMP	0.022	0.1
BDD-SWSF-092817-A-F	9/28/17 0:08	Uranium	2.37	ug/l		F	EPA200.8	DUP	0.022	0.1
BDD-SWSF-092817-A-F	9/28/17 0:08	Uranium	2.4	ug/l		F	EPA200.8	SMP	0.022	0.1
BDD-SWSF-092817-A	9/28/17 0:08	Vanadium	80	ug/l		UF	EPA200.8	SMP	0.12	1
BDD-SWSF-092817-A-F	9/28/17 0:08	Vanadium	3.34	ug/l		F	EPA200.8	DUP	0.123	1
BDD-SWSF-092817-A-F	9/28/17 0:08	Vanadium	3.4	ug/l		F	EPA200.8	SMP	0.12	1
BDD-SWSF-092817-A	9/28/17 0:08	Zinc	180	ug/l		UF	EPA200.8	SMP	1.5	20
BDD-SWSF-092817-A-F	9/28/17 0:08	Zinc	2.54	ug/l	J	F	EPA200.8	DUP	1.47	20
BDD-SWSF-092817-A-F	9/28/17 0:08	Zinc	1.5	ug/l	U	F	EPA200.8	SMP	1.5	20
BDD-SWSF-092817-B	9/28/17 0:38	Aluminum	100000	ug/l		UF	EPA200.8	SMP	8.6	50
BDD-SWSF-092817-B-F	9/28/17 0:38	Aluminum	960	ug/l		F	EPA200.8	SMP	8.6	50
BDD-SWSF-092817-B	9/28/17 0:38	Antimony	0.13	ug/l	J	UF	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092817-B-F	9/28/17 0:38	Antimony	0.87	ug/l		F	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092817-B	9/28/17 0:38	Arsenic	26	ug/l		UF	EPA200.8	SMP	0.19	2
BDD-SWSF-092817-B-F	9/28/17 0:38	Arsenic	2.4	ug/l		F	EPA200.8	SMP	0.19	2
BDD-SWSF-092817-B	9/28/17 0:38	Barium	2300	ug/l		UF	EPA200.8	SMP	0.39	1
BDD-SWSF-092817-B-F	9/28/17 0:38	Barium	87	ug/l		F	EPA200.8	SMP	0.39	1
BDD-SWSF-092817-B	9/28/17 0:38	Beryllium	11	ug/l		UF	EPA200.8	SMP	0.084	0.5
BDD-SWSF-092817-B-F	9/28/17 0:38	Beryllium	0.084	ug/l	U	F	EPA200.8	SMP	0.084	0.5
BDD-SWSF-092817-B	9/28/17 0:38	Boron	78	ug/l		UF	EPA200.8	SMP	4.8	50
BDD-SWSF-092817-B-F	9/28/17 0:38	Boron	29	ug/l	J	F	EPA200.8	SMP	4.8	50
BDD-SWSF-092817-B	9/28/17 0:38	Cadmium	1.5	ug/l		UF	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092817-B-F	9/28/17 0:38	Cadmium	0.056	ug/l	U	F	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092817-B	9/28/17 0:38	Calcium	440000	ug/l		UF	EPA200.8	SMP	88	1000
BDD-SWSF-092817-B-F	9/28/17 0:38	Calcium	32000	ug/l		F	EPA200.8	SMP	88	1000
BDD-SWSF-092817-B	9/28/17 0:38	Chromium	93	ug/l		UF	EPA200.8	SMP	0.92	10
BDD-SWSF-092817-B-F	9/28/17 0:38	Chromium	3.3	ug/l	J	F	EPA200.8	SMP	0.92	10
BDD-SWSF-092817-B	9/28/17 0:38	Cobalt	68	ug/l		UF	EPA200.8	SMP	0.18	1
BDD-SWSF-092817-B-F	9/28/17 0:38	Cobalt	0.95	ug/l	J	F	EPA200.8	SMP	0.18	1
BDD-SWSF-092817-B	9/28/17 0:38	Copper	110	ug/l		UF	EPA200.8	SMP	1.7	10
BDD-SWSF-092817-B-F	9/28/17 0:38	Copper	4.2	ug/l	J	F	EPA200.8	SMP	1.7	10
BDD-SWSF-092817-B	9/28/17 0:38	Iron	77000	ug/l		UF	EPA200.8	SMP	9.4	100
BDD-SWSF-092817-B-F	9/28/17 0:38	Iron	530	ug/l		F	EPA200.8	SMP	9.4	100
BDD-SWSF-092817-B	9/28/17 0:38	Lead	120	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-092817-B-F	9/28/17 0:38	Lead	0.59	ug/l		F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-092817-B	9/28/17 0:38	Magnesium	66000	ug/l		UF	EPA200.8	SMP	14	100
BDD-SWSF-092817-B-F	9/28/17 0:38	Magnesium	3700	ug/l		F	EPA200.8	SMP	14	100
BDD-SWSF-092817-B	9/28/17 0:38	Manganese	4700	ug/l		UF	EPA200.8	SMP	0.31	2
BDD-SWSF-092817-B-F	9/28/17 0:38	Manganese	18	ug/l		F	EPA200.8	SMP	0.31	2
BDD-SWSF-092817-B	9/28/17 0:38	Mercury	0.12	ug/l	J	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-092817-B-F	9/28/17 0:38	Mercury	0.06	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-092817-B	9/28/17 0:38	Nickel	120	ug/l		UF	EPA200.8	SMP	0.89	5
BDD-SWSF-092817-B-F	9/28/17 0:38	Nickel	3	ug/l	J	F	EPA200.8	SMP	0.89	5
BDD-SWSF-092817-B	9/28/17 0:38	Potassium	30000	ug/l		UF	EPA200.8	SMP	69	1000
BDD-SWSF-092817-B-F	9/28/17 0:38	Potassium	3100	ug/l		F	EPA200.8	SMP	69	1000
BDD-SWSF-092817-B	9/28/17 0:38	Selenium	13	ug/l		UF	EPA200.8	SMP	0.22	1
BDD-SWSF-092817-B-F	9/28/17 0:38	Selenium	0.4	ug/l	J	F	EPA200.8	SMP	0.22	1
BDD-SWSF-092817-B	9/28/17 0:38	Silver	0.21	ug/l		UF	EPA200.8	SMP	0.02	0.1

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-092817-B-F	9/28/17 0:38	Silver	0.02	ug/l	U	F	EPA200.8	SMP	0.02	0.1
BDD-SWSF-092817-B	9/28/17 0:38	Sodium	14000	ug/l		UF	EPA200.8	SMP	78	1000
BDD-SWSF-092817-B-F	9/28/17 0:38	Sodium	11000	ug/l		F	EPA200.8	SMP	78	1000
BDD-SWSF-092817-B	9/28/17 0:38	Thallium	0.58	ug/l		UF	EPA200.8	SMP	0.015	0.2
BDD-SWSF-092817-B-F	9/28/17 0:38	Thallium	0.015	ug/l	U	F	EPA200.8	SMP	0.015	0.2
BDD-SWSF-092817-B	9/28/17 0:38	Uranium	37	ug/l		UF	EPA200.8	SMP	0.022	0.1
BDD-SWSF-092817-B-F	9/28/17 0:38	Uranium	4.2	ug/l		F	EPA200.8	SMP	0.022	0.1
BDD-SWSF-092817-B	9/28/17 0:38	Vanadium	150	ug/l		UF	EPA200.8	SMP	0.12	1
BDD-SWSF-092817-B-F	9/28/17 0:38	Vanadium	5.2	ug/l		F	EPA200.8	SMP	0.12	1
BDD-SWSF-092817-B	9/28/17 0:38	Zinc	400	ug/l		UF	EPA200.8	SMP	1.5	20
BDD-SWSF-092817-B-F	9/28/17 0:38	Zinc	1.5	ug/l	U	F	EPA200.8	SMP	1.5	20
BDD-SWSF-092817-C	9/28/17 1:12	Aluminum	190000	ug/l		UF	EPA200.8	SMP	8.6	50
BDD-SWSF-092817-C-F	9/28/17 1:12	Aluminum	180	ug/l		F	EPA200.8	SMP	8.6	50
BDD-SWSF-092817-C	9/28/17 1:12	Antimony	0.22	ug/l	J	UF	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092817-C-F	9/28/17 1:12	Antimony	0.73	ug/l		F	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092817-C	9/28/17 1:12	Arsenic	60	ug/l		UF	EPA200.8	SMP	0.19	2
BDD-SWSF-092817-C-F	9/28/17 1:12	Arsenic	3	ug/l		F	EPA200.8	SMP	0.19	2
BDD-SWSF-092817-C	9/28/17 1:12	Barium	5100	ug/l		UF	EPA200.8	SMP	0.39	1
BDD-SWSF-092817-C-F	9/28/17 1:12	Barium	79	ug/l		F	EPA200.8	SMP	0.39	1
BDD-SWSF-092817-C	9/28/17 1:12	Beryllium	23	ug/l		UF	EPA200.8	SMP	0.084	0.5
BDD-SWSF-092817-C-F	9/28/17 1:12	Beryllium	0.084	ug/l	U	F	EPA200.8	SMP	0.084	0.5
BDD-SWSF-092817-C	9/28/17 1:12	Boron	120	ug/l		UF	EPA200.8	SMP	4.8	50
BDD-SWSF-092817-C-F	9/28/17 1:12	Boron	29	ug/l	J	F	EPA200.8	SMP	4.8	50
BDD-SWSF-092817-C	9/28/17 1:12	Cadmium	3.4	ug/l		UF	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092817-C-F	9/28/17 1:12	Cadmium	0.056	ug/l	U	F	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092817-C	9/28/17 1:12	Calcium	1100000	ug/l		UF	EPA200.8	SMP	88	1000
BDD-SWSF-092817-C-F	9/28/17 1:12	Calcium	27000	ug/l		F	EPA200.8	SMP	88	1000
BDD-SWSF-092817-C	9/28/17 1:12	Chromium	170	ug/l		UF	EPA200.8	SMP	0.92	10
BDD-SWSF-092817-C-F	9/28/17 1:12	Chromium	2.9	ug/l	J	F	EPA200.8	SMP	0.92	10
BDD-SWSF-092817-C	9/28/17 1:12	Cobalt	130	ug/l		UF	EPA200.8	SMP	0.18	1
BDD-SWSF-092817-C-F	9/28/17 1:12	Cobalt	1.2	ug/l		F	EPA200.8	SMP	0.18	1
BDD-SWSF-092817-C	9/28/17 1:12	Copper	200	ug/l		UF	EPA200.8	SMP	1.7	10
BDD-SWSF-092817-C-F	9/28/17 1:12	Copper	1.7	ug/l	U	F	EPA200.8	SMP	1.7	10
BDD-SWSF-092817-C	9/28/17 1:12	Iron	140000	ug/l		UF	EPA200.8	SMP	9.4	100
BDD-SWSF-092817-C-F	9/28/17 1:12	Iron	110	ug/l		F	EPA200.8	SMP	9.4	100
BDD-SWSF-092817-C	9/28/17 1:12	Lead	260	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-092817-C-F	9/28/17 1:12	Lead	0.13	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-092817-C	9/28/17 1:12	Magnesium	130000	ug/l		UF	EPA200.8	SMP	14	100
BDD-SWSF-092817-C-F	9/28/17 1:12	Magnesium	2700	ug/l		F	EPA200.8	SMP	14	100
BDD-SWSF-092817-C	9/28/17 1:12	Manganese	11000	ug/l		UF	EPA200.8	SMP	0.31	2
BDD-SWSF-092817-C-F	9/28/17 1:12	Manganese	40	ug/l		F	EPA200.8	SMP	0.31	2
BDD-SWSF-092817-C	9/28/17 1:12	Mercury	0.29	ug/l		UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-092817-C-F	9/28/17 1:12	Mercury	0.06	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-092817-C	9/28/17 1:12	Nickel	260	ug/l		UF	EPA200.8	SMP	0.89	5
BDD-SWSF-092817-C-F	9/28/17 1:12	Nickel	2.7	ug/l	J	F	EPA200.8	SMP	0.89	5
BDD-SWSF-092817-C	9/28/17 1:12	Potassium	55000	ug/l		UF	EPA200.8	SMP	69	1000
BDD-SWSF-092817-C-F	9/28/17 1:12	Potassium	3300	ug/l		F	EPA200.8	SMP	69	1000
BDD-SWSF-092817-C	9/28/17 1:12	Selenium	29	ug/l		UF	EPA200.8	SMP	0.22	1
BDD-SWSF-092817-C-F	9/28/17 1:12	Selenium	0.29	ug/l	J	F	EPA200.8	SMP	0.22	1
BDD-SWSF-092817-C	9/28/17 1:12	Silver	0.41	ug/l		UF	EPA200.8	SMP	0.02	0.1
BDD-SWSF-092817-C-F	9/28/17 1:12	Silver	0.02	ug/l	U	F	EPA200.8	SMP	0.02	0.1
BDD-SWSF-092817-C	9/28/17 1:12	Sodium	18000	ug/l		UF	EPA200.8	SMP	78	1000
BDD-SWSF-092817-C-F	9/28/17 1:12	Sodium	13000	ug/l		F	EPA200.8	SMP	78	1000
BDD-SWSF-092817-C	9/28/17 1:12	Thallium	1.8	ug/l		UF	EPA200.8	SMP	0.015	0.2
BDD-SWSF-092817-C-F	9/28/17 1:12	Thallium	0.015	ug/l	U	F	EPA200.8	SMP	0.015	0.2
BDD-SWSF-092817-C	9/28/17 1:12	Uranium	92	ug/l		UF	EPA200.8	SMP	0.022	0.1

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-092817-C-F	9/28/17 1:12	Uranium	7.7	ug/l		F	EPA200.8	SMP	0.022	0.1
BDD-SWSF-092817-C	9/28/17 1:12	Vanadium	260	ug/l		UF	EPA200.8	SMP	0.12	1
BDD-SWSF-092817-C-F	9/28/17 1:12	Vanadium	6.2	ug/l		F	EPA200.8	SMP	0.12	1
BDD-SWSF-092817-C	9/28/17 1:12	Zinc	790	ug/l		UF	EPA200.8	SMP	1.5	20
BDD-SWSF-092817-C-F	9/28/17 1:12	Zinc	1.5	ug/l	U	F	EPA200.8	SMP	1.5	20
BDD-SWSF-092817-D	9/28/17 1:54	Aluminum	170000	ug/l		UF	EPA200.8	SMP	8.6	50
BDD-SWSF-092817-D-F	9/28/17 1:54	Aluminum	190	ug/l		F	EPA200.8	SMP	8.6	50
BDD-SWSF-092817-D	9/28/17 1:54	Antimony	0.14	ug/l	J	UF	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092817-D-F	9/28/17 1:54	Antimony	0.63	ug/l		F	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092817-D	9/28/17 1:54	Arsenic	57	ug/l		UF	EPA200.8	SMP	0.19	2
BDD-SWSF-092817-D-F	9/28/17 1:54	Arsenic	3.4	ug/l		F	EPA200.8	SMP	0.19	2
BDD-SWSF-092817-D	9/28/17 1:54	Barium	4300	ug/l		UF	EPA200.8	SMP	0.39	1
BDD-SWSF-092817-D-F	9/28/17 1:54	Barium	89	ug/l		F	EPA200.8	SMP	0.39	1
BDD-SWSF-092817-D	9/28/17 1:54	Beryllium	21	ug/l		UF	EPA200.8	SMP	0.084	0.5
BDD-SWSF-092817-D-F	9/28/17 1:54	Beryllium	0.084	ug/l	U	F	EPA200.8	SMP	0.084	0.5
BDD-SWSF-092817-D	9/28/17 1:54	Boron	120	ug/l		UF	EPA200.8	SMP	4.8	50
BDD-SWSF-092817-D-F	9/28/17 1:54	Boron	28	ug/l	J	F	EPA200.8	SMP	4.8	50
BDD-SWSF-092817-D	9/28/17 1:54	Cadmium	3.1	ug/l		UF	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092817-D-F	9/28/17 1:54	Cadmium	0.056	ug/l	U	F	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092817-D	9/28/17 1:54	Calcium	930000	ug/l		UF	EPA200.8	SMP	88	1000
BDD-SWSF-092817-D-F	9/28/17 1:54	Calcium	28000	ug/l		F	EPA200.8	SMP	88	1000
BDD-SWSF-092817-D	9/28/17 1:54	Chromium	150	ug/l		UF	EPA200.8	SMP	0.92	10
BDD-SWSF-092817-D-F	9/28/17 1:54	Chromium	3.2	ug/l	J	F	EPA200.8	SMP	0.92	10
BDD-SWSF-092817-D	9/28/17 1:54	Cobalt	110	ug/l		UF	EPA200.8	SMP	0.18	1
BDD-SWSF-092817-D-F	9/28/17 1:54	Cobalt	1.1	ug/l		F	EPA200.8	SMP	0.18	1
BDD-SWSF-092817-D	9/28/17 1:54	Copper	170	ug/l		UF	EPA200.8	SMP	1.7	10
BDD-SWSF-092817-D-F	9/28/17 1:54	Copper	1.7	ug/l	U	F	EPA200.8	SMP	1.7	10
BDD-SWSF-092817-D	9/28/17 1:54	Iron	130000	ug/l		UF	EPA200.8	SMP	9.4	100
BDD-SWSF-092817-D-F	9/28/17 1:54	Iron	120	ug/l		F	EPA200.8	SMP	9.4	100
BDD-SWSF-092817-D	9/28/17 1:54	Lead	220	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-092817-D-F	9/28/17 1:54	Lead	0.13	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-092817-D	9/28/17 1:54	Magnesium	110000	ug/l		UF	EPA200.8	SMP	14	100
BDD-SWSF-092817-D-F	9/28/17 1:54	Magnesium	2900	ug/l		F	EPA200.8	SMP	14	100
BDD-SWSF-092817-D	9/28/17 1:54	Manganese	9200	ug/l		UF	EPA200.8	SMP	0.31	2
BDD-SWSF-092817-D-F	9/28/17 1:54	Manganese	38	ug/l		F	EPA200.8	SMP	0.31	2
BDD-SWSF-092817-D	9/28/17 1:54	Mercury	0.25	ug/l		UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-092817-D-F	9/28/17 1:54	Mercury	0.06	ug/l	U	F	EPA245.1	DUP	0.06	0.2
BDD-SWSF-092817-D-F	9/28/17 1:54	Mercury	0.06	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-092817-D	9/28/17 1:54	Nickel	220	ug/l		UF	EPA200.8	SMP	0.89	5
BDD-SWSF-092817-D-F	9/28/17 1:54	Nickel	2.1	ug/l	J	F	EPA200.8	SMP	0.89	5
BDD-SWSF-092817-D	9/28/17 1:54	Potassium	50000	ug/l		UF	EPA200.8	SMP	69	1000
BDD-SWSF-092817-D-F	9/28/17 1:54	Potassium	3300	ug/l		F	EPA200.8	SMP	69	1000
BDD-SWSF-092817-D	9/28/17 1:54	Selenium	26	ug/l		UF	EPA200.8	SMP	0.22	1
BDD-SWSF-092817-D-F	9/28/17 1:54	Selenium	0.28	ug/l	J	F	EPA200.8	SMP	0.22	1
BDD-SWSF-092817-D	9/28/17 1:54	Silver	0.34	ug/l		UF	EPA200.8	SMP	0.02	0.1
BDD-SWSF-092817-D-F	9/28/17 1:54	Silver	0.02	ug/l	U	F	EPA200.8	SMP	0.02	0.1
BDD-SWSF-092817-D	9/28/17 1:54	Sodium	17000	ug/l		UF	EPA200.8	SMP	78	1000
BDD-SWSF-092817-D-F	9/28/17 1:54	Sodium	13000	ug/l		F	EPA200.8	SMP	78	1000
BDD-SWSF-092817-D	9/28/17 1:54	Thallium	1.7	ug/l		UF	EPA200.8	SMP	0.015	0.2
BDD-SWSF-092817-D-F	9/28/17 1:54	Thallium	0.015	ug/l	U	F	EPA200.8	SMP	0.015	0.2
BDD-SWSF-092817-D	9/28/17 1:54	Uranium	79	ug/l		UF	EPA200.8	SMP	0.022	0.1
BDD-SWSF-092817-D-F	9/28/17 1:54	Uranium	7.9	ug/l		F	EPA200.8	SMP	0.022	0.1
BDD-SWSF-092817-D	9/28/17 1:54	Vanadium	230	ug/l		UF	EPA200.8	SMP	0.12	1
BDD-SWSF-092817-D-F	9/28/17 1:54	Vanadium	6.3	ug/l		F	EPA200.8	SMP	0.12	1
BDD-SWSF-092817-D	9/28/17 1:54	Zinc	680	ug/l		UF	EPA200.8	SMP	1.5	20
BDD-SWSF-092817-D-F	9/28/17 1:54	Zinc	1.5	ug/l	U	F	EPA200.8	SMP	1.5	20

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-092817-E	9/28/17 2:42	Aluminum	140000	ug/l		UF	EPA200.8	SMP	8.6	50
BDD-SWSF-092817-E-F	9/28/17 2:42	Aluminum	140	ug/l		F	EPA200.8	SMP	8.6	50
BDD-SWSF-092817-E	9/28/17 2:42	Antimony	0.09	ug/l	J	UF	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092817-E-F	9/28/17 2:42	Antimony	0.58	ug/l		F	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092817-E	9/28/17 2:42	Arsenic	41	ug/l		UF	EPA200.8	SMP	0.19	2
BDD-SWSF-092817-E-F	9/28/17 2:42	Arsenic	2.9	ug/l		F	EPA200.8	SMP	0.19	2
BDD-SWSF-092817-E	9/28/17 2:42	Barium	3000	ug/l		UF	EPA200.8	SMP	0.39	1
BDD-SWSF-092817-E-F	9/28/17 2:42	Barium	83	ug/l		F	EPA200.8	SMP	0.39	1
BDD-SWSF-092817-E	9/28/17 2:42	Beryllium	14	ug/l		UF	EPA200.8	SMP	0.084	0.5
BDD-SWSF-092817-E-F	9/28/17 2:42	Beryllium	0.084	ug/l	U	F	EPA200.8	SMP	0.084	0.5
BDD-SWSF-092817-E	9/28/17 2:42	Boron	99	ug/l		UF	EPA200.8	SMP	4.8	50
BDD-SWSF-092817-E-F	9/28/17 2:42	Boron	25	ug/l	J	F	EPA200.8	SMP	4.8	50
BDD-SWSF-092817-E	9/28/17 2:42	Cadmium	2.2	ug/l		UF	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092817-E-F	9/28/17 2:42	Cadmium	0.056	ug/l	U	F	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092817-E	9/28/17 2:42	Calcium	630000	ug/l		UF	EPA200.8	SMP	88	1000
BDD-SWSF-092817-E-F	9/28/17 2:42	Calcium	29000	ug/l		F	EPA200.8	SMP	88	1000
BDD-SWSF-092817-E	9/28/17 2:42	Chromium	120	ug/l		UF	EPA200.8	SMP	0.92	10
BDD-SWSF-092817-E-F	9/28/17 2:42	Chromium	2.9	ug/l	J	F	EPA200.8	SMP	0.92	10
BDD-SWSF-092817-E	9/28/17 2:42	Cobalt	86	ug/l		UF	EPA200.8	SMP	0.18	1
BDD-SWSF-092817-E-F	9/28/17 2:42	Cobalt	0.93	ug/l	J	F	EPA200.8	SMP	0.18	1
BDD-SWSF-092817-E	9/28/17 2:42	Copper	130	ug/l		UF	EPA200.8	SMP	1.7	10
BDD-SWSF-092817-E-F	9/28/17 2:42	Copper	1.7	ug/l	U	F	EPA200.8	SMP	1.7	10
BDD-SWSF-092817-E	9/28/17 2:42	Iron	100000	ug/l		UF	EPA200.8	SMP	9.4	100
BDD-SWSF-092817-E-F	9/28/17 2:42	Iron	88	ug/l	J	F	EPA200.8	SMP	9.4	100
BDD-SWSF-092817-E	9/28/17 2:42	Lead	160	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-092817-E-F	9/28/17 2:42	Lead	0.13	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-092817-E	9/28/17 2:42	Magnesium	88000	ug/l		UF	EPA200.8	SMP	14	100
BDD-SWSF-092817-E-F	9/28/17 2:42	Magnesium	2900	ug/l		F	EPA200.8	SMP	14	100
BDD-SWSF-092817-E	9/28/17 2:42	Manganese	6600	ug/l		UF	EPA200.8	SMP	0.31	2
BDD-SWSF-092817-E-F	9/28/17 2:42	Manganese	10	ug/l		F	EPA200.8	SMP	0.31	2
BDD-SWSF-092817-E	9/28/17 2:42	Mercury	0.14	ug/l	J	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-092817-E-F	9/28/17 2:42	Mercury	0.06	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-092817-E	9/28/17 2:42	Nickel	160	ug/l		UF	EPA200.8	SMP	0.89	5
BDD-SWSF-092817-E-F	9/28/17 2:42	Nickel	2	ug/l	J	F	EPA200.8	SMP	0.89	5
BDD-SWSF-092817-E	9/28/17 2:42	Potassium	39000	ug/l		UF	EPA200.8	SMP	69	1000
BDD-SWSF-092817-E-F	9/28/17 2:42	Potassium	3000	ug/l		F	EPA200.8	SMP	69	1000
BDD-SWSF-092817-E	9/28/17 2:42	Selenium	18	ug/l		UF	EPA200.8	SMP	0.22	1
BDD-SWSF-092817-E-F	9/28/17 2:42	Selenium	0.31	ug/l	J	F	EPA200.8	SMP	0.22	1
BDD-SWSF-092817-E	9/28/17 2:42	Silver	0.26	ug/l		UF	EPA200.8	SMP	0.02	0.1
BDD-SWSF-092817-E-F	9/28/17 2:42	Silver	0.02	ug/l	U	F	EPA200.8	SMP	0.02	0.1
BDD-SWSF-092817-E	9/28/17 2:42	Sodium	16000	ug/l		UF	EPA200.8	SMP	78	1000
BDD-SWSF-092817-E-F	9/28/17 2:42	Sodium	12000	ug/l		F	EPA200.8	SMP	78	1000
BDD-SWSF-092817-E	9/28/17 2:42	Thallium	2	ug/l		UF	EPA200.8	SMP	0.015	0.2
BDD-SWSF-092817-E-F	9/28/17 2:42	Thallium	0.015	ug/l	U	F	EPA200.8	SMP	0.015	0.2
BDD-SWSF-092817-E	9/28/17 2:42	Uranium	53	ug/l		UF	EPA200.8	SMP	0.022	0.1
BDD-SWSF-092817-E-F	9/28/17 2:42	Uranium	5.9	ug/l		F	EPA200.8	SMP	0.022	0.1
BDD-SWSF-092817-E	9/28/17 2:42	Vanadium	200	ug/l		UF	EPA200.8	SMP	0.12	1
BDD-SWSF-092817-E-F	9/28/17 2:42	Vanadium	5.9	ug/l		F	EPA200.8	SMP	0.12	1
BDD-SWSF-092817-E	9/28/17 2:42	Zinc	500	ug/l		UF	EPA200.8	SMP	1.5	20
BDD-SWSF-092817-E-F	9/28/17 2:42	Zinc	1.5	ug/l	U	F	EPA200.8	SMP	1.5	20
BDD-SWSF-092817-F	9/28/17 3:24	Aluminum	96000	ug/l		UF	EPA200.8	SMP	8.6	50
BDD-SWSF-092817-F-F	9/28/17 3:24	Aluminum	150	ug/l		F	EPA200.8	SMP	8.6	50
BDD-SWSF-092817-F	9/28/17 3:24	Antimony	0.07	ug/l	J	UF	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092817-F-F	9/28/17 3:24	Antimony	0.71	ug/l		F	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092817-F	9/28/17 3:24	Arsenic	28	ug/l		UF	EPA200.8	SMP	0.19	2
BDD-SWSF-092817-F-F	9/28/17 3:24	Arsenic	2.4	ug/l		F	EPA200.8	SMP	0.19	2

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-092817-F	9/28/17 3:24	Barium	2100	ug/l		UF	EPA200.8	SMP	0.39	1
BDD-SWSF-092817-F-F	9/28/17 3:24	Barium	80	ug/l		F	EPA200.8	SMP	0.39	1
BDD-SWSF-092817-F	9/28/17 3:24	Beryllium	9.8	ug/l		UF	EPA200.8	SMP	0.084	0.5
BDD-SWSF-092817-F-F	9/28/17 3:24	Beryllium	0.084	ug/l	U	F	EPA200.8	SMP	0.084	0.5
BDD-SWSF-092817-F	9/28/17 3:24	Boron	80	ug/l		UF	EPA200.8	SMP	4.8	50
BDD-SWSF-092817-F-F	9/28/17 3:24	Boron	26	ug/l	J	F	EPA200.8	SMP	4.8	50
BDD-SWSF-092817-F	9/28/17 3:24	Cadmium	1.2	ug/l		UF	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092817-F-F	9/28/17 3:24	Cadmium	0.056	ug/l	U	F	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092817-F	9/28/17 3:24	Calcium	430000	ug/l		UF	EPA200.8	SMP	88	1000
BDD-SWSF-092817-F-F	9/28/17 3:24	Calcium	30000	ug/l		F	EPA200.8	SMP	88	1000
BDD-SWSF-092817-F	9/28/17 3:24	Chromium	80	ug/l		UF	EPA200.8	SMP	0.92	10
BDD-SWSF-092817-F-F	9/28/17 3:24	Chromium	2.7	ug/l	J	F	EPA200.8	SMP	0.92	10
BDD-SWSF-092817-F	9/28/17 3:24	Cobalt	59	ug/l		UF	EPA200.8	SMP	0.18	1
BDD-SWSF-092817-F-F	9/28/17 3:24	Cobalt	0.95	ug/l	J	F	EPA200.8	SMP	0.18	1
BDD-SWSF-092817-F	9/28/17 3:24	Copper	91	ug/l		UF	EPA200.8	SMP	1.7	10
BDD-SWSF-092817-F-F	9/28/17 3:24	Copper	1.7	ug/l	U	F	EPA200.8	SMP	1.7	10
BDD-SWSF-092817-F	9/28/17 3:24	Iron	71000	ug/l		UF	EPA200.8	SMP	9.4	100
BDD-SWSF-092817-F-F	9/28/17 3:24	Iron	77	ug/l	J	F	EPA200.8	SMP	9.4	100
BDD-SWSF-092817-F	9/28/17 3:24	Lead	110	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-092817-F-F	9/28/17 3:24	Lead	0.13	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-092817-F	9/28/17 3:24	Magnesium	61000	ug/l		UF	EPA200.8	SMP	14	100
BDD-SWSF-092817-F-F	9/28/17 3:24	Magnesium	3200	ug/l		F	EPA200.8	SMP	14	100
BDD-SWSF-092817-F	9/28/17 3:24	Manganese	4400	ug/l		UF	EPA200.8	SMP	0.31	2
BDD-SWSF-092817-F-F	9/28/17 3:24	Manganese	6.4	ug/l		F	EPA200.8	SMP	0.31	2
BDD-SWSF-092817-F	9/28/17 3:24	Mercury	0.096	ug/l	J	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-092817-F-F	9/28/17 3:24	Mercury	0.06	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-092817-F	9/28/17 3:24	Nickel	110	ug/l		UF	EPA200.8	SMP	0.89	5
BDD-SWSF-092817-F-F	9/28/17 3:24	Nickel	2	ug/l	J	F	EPA200.8	SMP	0.89	5
BDD-SWSF-092817-F	9/28/17 3:24	Potassium	28000	ug/l		UF	EPA200.8	SMP	69	1000
BDD-SWSF-092817-F-F	9/28/17 3:24	Potassium	2900	ug/l		F	EPA200.8	SMP	69	1000
BDD-SWSF-092817-F	9/28/17 3:24	Selenium	12	ug/l		UF	EPA200.8	SMP	0.22	1
BDD-SWSF-092817-F-F	9/28/17 3:24	Selenium	0.54	ug/l	J	F	EPA200.8	SMP	0.22	1
BDD-SWSF-092817-F	9/28/17 3:24	Silver	0.18	ug/l		UF	EPA200.8	SMP	0.02	0.1
BDD-SWSF-092817-F-F	9/28/17 3:24	Silver	0.02	ug/l	U	F	EPA200.8	SMP	0.02	0.1
BDD-SWSF-092817-F	9/28/17 3:24	Sodium	15000	ug/l		UF	EPA200.8	SMP	78	1000
BDD-SWSF-092817-F-F	9/28/17 3:24	Sodium	12000	ug/l		F	EPA200.8	SMP	78	1000
BDD-SWSF-092817-F	9/28/17 3:24	Thallium	0.82	ug/l		UF	EPA200.8	SMP	0.015	0.2
BDD-SWSF-092817-F-F	9/28/17 3:24	Thallium	0.015	ug/l	U	F	EPA200.8	SMP	0.015	0.2
BDD-SWSF-092817-F	9/28/17 3:24	Uranium	36	ug/l		UF	EPA200.8	SMP	0.022	0.1
BDD-SWSF-092817-F-F	9/28/17 3:24	Uranium	4.7	ug/l		F	EPA200.8	SMP	0.022	0.1
BDD-SWSF-092817-F	9/28/17 3:24	Vanadium	150	ug/l		UF	EPA200.8	SMP	0.12	1
BDD-SWSF-092817-F-F	9/28/17 3:24	Vanadium	5.6	ug/l		F	EPA200.8	SMP	0.12	1
BDD-SWSF-092817-F	9/28/17 3:24	Zinc	350	ug/l		UF	EPA200.8	SMP	1.5	20
BDD-SWSF-092817-F-F	9/28/17 3:24	Zinc	8.9	ug/l	J	F	EPA200.8	SMP	1.5	20
BDD-SWSF-092817-G	9/28/17 4:12	Aluminum	84000	ug/l		UF	EPA200.8	SMP	8.6	50
BDD-SWSF-092817-G-F	9/28/17 4:12	Aluminum	96	ug/l		F	EPA200.8	SMP	8.6	50
BDD-SWSF-092817-G-F	9/28/17 4:12	Aluminum	99.1	ug/l		F	EPA200.8	DUP	8.6	50
BDD-SWSF-092817-G	9/28/17 4:12	Antimony	0.08	ug/l	J	UF	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092817-G-F	9/28/17 4:12	Antimony	0.43	ug/l		F	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092817-G-F	9/28/17 4:12	Antimony	0.47	ug/l		F	EPA200.8	DUP	0.0564	0.3
BDD-SWSF-092817-G	9/28/17 4:12	Arsenic	22	ug/l		UF	EPA200.8	SMP	0.19	2
BDD-SWSF-092817-G-F	9/28/17 4:12	Arsenic	2.4	ug/l		F	EPA200.8	SMP	0.19	2
BDD-SWSF-092817-G-F	9/28/17 4:12	Arsenic	2.18	ug/l		F	EPA200.8	DUP	0.191	2
BDD-SWSF-092817-G	9/28/17 4:12	Barium	1800	ug/l		UF	EPA200.8	SMP	0.39	1
BDD-SWSF-092817-G-F	9/28/17 4:12	Barium	80	ug/l		F	EPA200.8	SMP	0.39	1
BDD-SWSF-092817-G-F	9/28/17 4:12	Barium	78.6	ug/l		F	EPA200.8	DUP	0.389	1

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-092817-G	9/28/17 4:12	Beryllium	8	ug/l		UF	EPA200.8	SMP	0.084	0.5
BDD-SWSF-092817-G-F	9/28/17 4:12	Beryllium	0.084	ug/l	U	F	EPA200.8	SMP	0.084	0.5
BDD-SWSF-092817-G-F	9/28/17 4:12	Beryllium	0.0837	ug/l	U	F	EPA200.8	DUP	0.0837	0.5
BDD-SWSF-092817-G	9/28/17 4:12	Boron	70	ug/l		UF	EPA200.8	SMP	4.8	50
BDD-SWSF-092817-G-F	9/28/17 4:12	Boron	23.2	ug/l	J	F	EPA200.8	DUP	4.85	50
BDD-SWSF-092817-G-F	9/28/17 4:12	Boron	25	ug/l	J	F	EPA200.8	SMP	4.8	50
BDD-SWSF-092817-G	9/28/17 4:12	Cadmium	1	ug/l		UF	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092817-G-F	9/28/17 4:12	Cadmium	0.056	ug/l	U	F	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092817-G-F	9/28/17 4:12	Cadmium	0.0561	ug/l	U	F	EPA200.8	DUP	0.0561	0.3
BDD-SWSF-092817-G	9/28/17 4:12	Calcium	370000	ug/l		UF	EPA200.8	SMP	88	1000
BDD-SWSF-092817-G-F	9/28/17 4:12	Calcium	30000	ug/l		F	EPA200.8	SMP	88	1000
BDD-SWSF-092817-G-F	9/28/17 4:12	Calcium	28900	ug/l		F	EPA200.8	DUP	88.4	1000
BDD-SWSF-092817-G	9/28/17 4:12	Chromium	73	ug/l		UF	EPA200.8	SMP	0.92	10
BDD-SWSF-092817-G-F	9/28/17 4:12	Chromium	3	ug/l	J	F	EPA200.8	SMP	0.92	10
BDD-SWSF-092817-G-F	9/28/17 4:12	Chromium	2.99	ug/l	J	F	EPA200.8	DUP	0.916	10
BDD-SWSF-092817-G	9/28/17 4:12	Cobalt	52	ug/l		UF	EPA200.8	SMP	0.18	1
BDD-SWSF-092817-G-F	9/28/17 4:12	Cobalt	0.82	ug/l	J	F	EPA200.8	SMP	0.18	1
BDD-SWSF-092817-G-F	9/28/17 4:12	Cobalt	0.86	ug/l	J	F	EPA200.8	DUP	0.178	1
BDD-SWSF-092817-G	9/28/17 4:12	Copper	78	ug/l		UF	EPA200.8	SMP	1.7	10
BDD-SWSF-092817-G-F	9/28/17 4:12	Copper	1.7	ug/l	U	F	EPA200.8	SMP	1.7	10
BDD-SWSF-092817-G-F	9/28/17 4:12	Copper	1.71	ug/l	U	F	EPA200.8	DUP	1.71	10
BDD-SWSF-092817-G	9/28/17 4:12	Iron	63000	ug/l		UF	EPA200.8	SMP	9.4	100
BDD-SWSF-092817-G-F	9/28/17 4:12	Iron	70	ug/l	J	F	EPA200.8	SMP	9.4	100
BDD-SWSF-092817-G-F	9/28/17 4:12	Iron	66.9	ug/l	J	F	EPA200.8	DUP	9.37	100
BDD-SWSF-092817-G	9/28/17 4:12	Lead	90	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-092817-G-F	9/28/17 4:12	Lead	0.13	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-092817-G-F	9/28/17 4:12	Lead	0.128	ug/l	U	F	EPA200.8	DUP	0.128	0.5
BDD-SWSF-092817-G	9/28/17 4:12	Magnesium	53000	ug/l		UF	EPA200.8	SMP	14	100
BDD-SWSF-092817-G-F	9/28/17 4:12	Magnesium	3400	ug/l		F	EPA200.8	SMP	14	100
BDD-SWSF-092817-G-F	9/28/17 4:12	Magnesium	3230	ug/l		F	EPA200.8	DUP	13.6	100
BDD-SWSF-092817-G	9/28/17 4:12	Manganese	3800	ug/l		UF	EPA200.8	SMP	0.31	2
BDD-SWSF-092817-G-F	9/28/17 4:12	Manganese	4.96	ug/l		F	EPA200.8	DUP	0.311	2
BDD-SWSF-092817-G-F	9/28/17 4:12	Manganese	5.1	ug/l		F	EPA200.8	SMP	0.31	2
BDD-SWSF-092817-G	9/28/17 4:12	Mercury	0.077	ug/l	J	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-092817-G-F	9/28/17 4:12	Mercury	0.06	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-092817-G	9/28/17 4:12	Nickel	95	ug/l		UF	EPA200.8	SMP	0.89	5
BDD-SWSF-092817-G-F	9/28/17 4:12	Nickel	2.43	ug/l	J	F	EPA200.8	DUP	0.886	5
BDD-SWSF-092817-G-F	9/28/17 4:12	Nickel	2.1	ug/l	J	F	EPA200.8	SMP	0.89	5
BDD-SWSF-092817-G	9/28/17 4:12	Potassium	24000	ug/l		UF	EPA200.8	SMP	69	1000
BDD-SWSF-092817-G-F	9/28/17 4:12	Potassium	2800	ug/l		F	EPA200.8	DUP	69.2	1000
BDD-SWSF-092817-G-F	9/28/17 4:12	Potassium	2800	ug/l		F	EPA200.8	SMP	69	1000
BDD-SWSF-092817-G	9/28/17 4:12	Selenium	10	ug/l		UF	EPA200.8	SMP	0.22	1
BDD-SWSF-092817-G-F	9/28/17 4:12	Selenium	0.22	ug/l	U	F	EPA200.8	SMP	0.22	1
BDD-SWSF-092817-G-F	9/28/17 4:12	Selenium	0.34	ug/l	J	F	EPA200.8	DUP	0.222	1
BDD-SWSF-092817-G	9/28/17 4:12	Silver	0.16	ug/l		UF	EPA200.8	SMP	0.02	0.1
BDD-SWSF-092817-G-F	9/28/17 4:12	Silver	0.0204	ug/l	U	F	EPA200.8	DUP	0.0204	0.1
BDD-SWSF-092817-G-F	9/28/17 4:12	Silver	0.02	ug/l	U	F	EPA200.8	SMP	0.02	0.1
BDD-SWSF-092817-G	9/28/17 4:12	Sodium	14000	ug/l		UF	EPA200.8	SMP	78	1000
BDD-SWSF-092817-G-F	9/28/17 4:12	Sodium	11300	ug/l		F	EPA200.8	DUP	78.5	1000
BDD-SWSF-092817-G-F	9/28/17 4:12	Sodium	12000	ug/l		F	EPA200.8	SMP	78	1000
BDD-SWSF-092817-G	9/28/17 4:12	Thallium	1.2	ug/l		UF	EPA200.8	SMP	0.015	0.2
BDD-SWSF-092817-G-F	9/28/17 4:12	Thallium	0.015	ug/l	U	F	EPA200.8	SMP	0.015	0.2
BDD-SWSF-092817-G-F	9/28/17 4:12	Thallium	0.0146	ug/l	U	F	EPA200.8	DUP	0.0146	0.2
BDD-SWSF-092817-G	9/28/17 4:12	Uranium	29	ug/l		UF	EPA200.8	SMP	0.022	0.1
BDD-SWSF-092817-G-F	9/28/17 4:12	Uranium	3.9	ug/l		F	EPA200.8	SMP	0.022	0.1
BDD-SWSF-092817-G-F	9/28/17 4:12	Uranium	3.81	ug/l		F	EPA200.8	DUP	0.022	0.1

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-092817-G	9/28/17 4:12	Vanadium	130	ug/l		UF	EPA200.8	SMP	0.12	1
BDD-SWSF-092817-G-F	9/28/17 4:12	Vanadium	5.1	ug/l		F	EPA200.8	SMP	0.12	1
BDD-SWSF-092817-G-F	9/28/17 4:12	Vanadium	5.29	ug/l		F	EPA200.8	DUP	0.123	1
BDD-SWSF-092817-G	9/28/17 4:12	Zinc	300	ug/l		UF	EPA200.8	SMP	1.5	20
BDD-SWSF-092817-G-F	9/28/17 4:12	Zinc	1.47	ug/l	U	F	EPA200.8	DUP	1.47	20
BDD-SWSF-092817-G-F	9/28/17 4:12	Zinc	17	ug/l	J	F	EPA200.8	SMP	1.5	20
BDD-SWSF-092817-H	9/28/17 4:51	Aluminum	83000	ug/l		UF	EPA200.8	SMP	8.6	50
BDD-SWSF-092817-H-F	9/28/17 4:51	Aluminum	390	ug/l		F	EPA200.8	SMP	8.6	50
BDD-SWSF-092817-H	9/28/17 4:51	Antimony	0.3	ug/l	J	UF	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092817-H-F	9/28/17 4:51	Antimony	0.76	ug/l		F	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092817-H	9/28/17 4:51	Arsenic	21	ug/l		UF	EPA200.8	SMP	0.19	2
BDD-SWSF-092817-H-F	9/28/17 4:51	Arsenic	2.2	ug/l		F	EPA200.8	SMP	0.19	2
BDD-SWSF-092817-H	9/28/17 4:51	Barium	1600	ug/l		UF	EPA200.8	SMP	0.39	1
BDD-SWSF-092817-H-F	9/28/17 4:51	Barium	79	ug/l		F	EPA200.8	SMP	0.39	1
BDD-SWSF-092817-H	9/28/17 4:51	Beryllium	7.3	ug/l		UF	EPA200.8	SMP	0.084	0.5
BDD-SWSF-092817-H-F	9/28/17 4:51	Beryllium	0.084	ug/l	U	F	EPA200.8	SMP	0.084	0.5
BDD-SWSF-092817-H	9/28/17 4:51	Boron	75	ug/l		UF	EPA200.8	SMP	4.8	50
BDD-SWSF-092817-H-F	9/28/17 4:51	Boron	31	ug/l	J	F	EPA200.8	SMP	4.8	50
BDD-SWSF-092817-H	9/28/17 4:51	Cadmium	0.97	ug/l		UF	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092817-H-F	9/28/17 4:51	Cadmium	0.056	ug/l	U	F	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092817-H	9/28/17 4:51	Calcium	310000	ug/l		UF	EPA200.8	SMP	88	1000
BDD-SWSF-092817-H-F	9/28/17 4:51	Calcium	32000	ug/l		F	EPA200.8	SMP	88	1000
BDD-SWSF-092817-H	9/28/17 4:51	Chromium	77	ug/l		UF	EPA200.8	SMP	0.92	10
BDD-SWSF-092817-H-F	9/28/17 4:51	Chromium	5.8	ug/l	J	F	EPA200.8	SMP	0.92	10
BDD-SWSF-092817-H	9/28/17 4:51	Cobalt	49	ug/l		UF	EPA200.8	SMP	0.18	1
BDD-SWSF-092817-H-F	9/28/17 4:51	Cobalt	1.1	ug/l		F	EPA200.8	SMP	0.18	1
BDD-SWSF-092817-H	9/28/17 4:51	Copper	83	ug/l		UF	EPA200.8	SMP	1.7	10
BDD-SWSF-092817-H-F	9/28/17 4:51	Copper	2.1	ug/l	J	F	EPA200.8	SMP	1.7	10
BDD-SWSF-092817-H	9/28/17 4:51	Iron	63000	ug/l		UF	EPA200.8	SMP	9.4	100
BDD-SWSF-092817-H-F	9/28/17 4:51	Iron	430	ug/l		F	EPA200.8	SMP	9.4	100
BDD-SWSF-092817-H	9/28/17 4:51	Lead	81	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-092817-H-F	9/28/17 4:51	Lead	0.35	ug/l	J	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-092817-H	9/28/17 4:51	Magnesium	55000	ug/l		UF	EPA200.8	SMP	14	100
BDD-SWSF-092817-H-F	9/28/17 4:51	Magnesium	3600	ug/l		F	EPA200.8	SMP	14	100
BDD-SWSF-092817-H	9/28/17 4:51	Manganese	3200	ug/l		UF	EPA200.8	SMP	0.31	2
BDD-SWSF-092817-H-F	9/28/17 4:51	Manganese	12	ug/l		F	EPA200.8	SMP	0.31	2
BDD-SWSF-092817-H	9/28/17 4:51	Mercury	0.073	ug/l	J	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-092817-H-F	9/28/17 4:51	Mercury	0.06	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-092817-H	9/28/17 4:51	Nickel	94	ug/l		UF	EPA200.8	SMP	0.89	5
BDD-SWSF-092817-H-F	9/28/17 4:51	Nickel	4	ug/l	J	F	EPA200.8	SMP	0.89	5
BDD-SWSF-092817-H	9/28/17 4:51	Potassium	26000	ug/l		UF	EPA200.8	SMP	69	1000
BDD-SWSF-092817-H-F	9/28/17 4:51	Potassium	3100	ug/l		F	EPA200.8	SMP	69	1000
BDD-SWSF-092817-H	9/28/17 4:51	Selenium	8.9	ug/l		UF	EPA200.8	SMP	0.22	1
BDD-SWSF-092817-H-F	9/28/17 4:51	Selenium	0.28	ug/l	J	F	EPA200.8	SMP	0.22	1
BDD-SWSF-092817-H	9/28/17 4:51	Silver	0.15	ug/l		UF	EPA200.8	SMP	0.02	0.1
BDD-SWSF-092817-H-F	9/28/17 4:51	Silver	0.02	ug/l	U	F	EPA200.8	SMP	0.02	0.1
BDD-SWSF-092817-H	9/28/17 4:51	Sodium	14000	ug/l		UF	EPA200.8	SMP	78	1000
BDD-SWSF-092817-H-F	9/28/17 4:51	Sodium	12000	ug/l		F	EPA200.8	SMP	78	1000
BDD-SWSF-092817-H	9/28/17 4:51	Thallium	0.37	ug/l		UF	EPA200.8	SMP	0.015	0.2
BDD-SWSF-092817-H-F	9/28/17 4:51	Thallium	0.015	ug/l	U	F	EPA200.8	SMP	0.015	0.2
BDD-SWSF-092817-H	9/28/17 4:51	Uranium	34	ug/l		UF	EPA200.8	SMP	0.022	0.1
BDD-SWSF-092817-H-F	9/28/17 4:51	Uranium	4.8	ug/l		F	EPA200.8	SMP	0.022	0.1
BDD-SWSF-092817-H	9/28/17 4:51	Vanadium	120	ug/l		UF	EPA200.8	SMP	0.12	1
BDD-SWSF-092817-H-F	9/28/17 4:51	Vanadium	5.6	ug/l		F	EPA200.8	SMP	0.12	1
BDD-SWSF-092817-H	9/28/17 4:51	Zinc	310	ug/l		UF	EPA200.8	SMP	1.5	20
BDD-SWSF-092817-H-F	9/28/17 4:51	Zinc	1.5	ug/l	U	F	EPA200.8	SMP	1.5	20

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-092817-I	9/28/17 5:36	Aluminum	72000	ug/l		UF	EPA200.8	SMP	8.6	50
BDD-SWSF-092817-I-F	9/28/17 5:36	Aluminum	91	ug/l		F	EPA200.8	SMP	8.6	50
BDD-SWSF-092817-I	9/28/17 5:36	Antimony	0.12	ug/l	J	UF	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092817-I-F	9/28/17 5:36	Antimony	0.49	ug/l		F	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092817-I	9/28/17 5:36	Arsenic	17	ug/l		UF	EPA200.8	SMP	0.19	2
BDD-SWSF-092817-I-F	9/28/17 5:36	Arsenic	1.9	ug/l	J	F	EPA200.8	SMP	0.19	2
BDD-SWSF-092817-I	9/28/17 5:36	Barium	1200	ug/l		UF	EPA200.8	SMP	0.39	1
BDD-SWSF-092817-I-F	9/28/17 5:36	Barium	74	ug/l		F	EPA200.8	SMP	0.39	1
BDD-SWSF-092817-I	9/28/17 5:36	Beryllium	6.1	ug/l		UF	EPA200.8	SMP	0.084	0.5
BDD-SWSF-092817-I-F	9/28/17 5:36	Beryllium	0.084	ug/l	U	F	EPA200.8	SMP	0.084	0.5
BDD-SWSF-092817-I	9/28/17 5:36	Boron	74	ug/l		UF	EPA200.8	SMP	4.8	50
BDD-SWSF-092817-I-F	9/28/17 5:36	Boron	29	ug/l	J	F	EPA200.8	SMP	4.8	50
BDD-SWSF-092817-I	9/28/17 5:36	Cadmium	0.73	ug/l		UF	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092817-I-F	9/28/17 5:36	Cadmium	0.056	ug/l	U	F	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092817-I	9/28/17 5:36	Calcium	260000	ug/l		UF	EPA200.8	SMP	88	1000
BDD-SWSF-092817-I-F	9/28/17 5:36	Calcium	30000	ug/l		F	EPA200.8	SMP	88	1000
BDD-SWSF-092817-I	9/28/17 5:36	Chromium	69	ug/l		UF	EPA200.8	SMP	0.92	10
BDD-SWSF-092817-I-F	9/28/17 5:36	Chromium	3	ug/l	J	F	EPA200.8	SMP	0.92	10
BDD-SWSF-092817-I	9/28/17 5:36	Cobalt	42	ug/l		UF	EPA200.8	SMP	0.18	1
BDD-SWSF-092817-I-F	9/28/17 5:36	Cobalt	0.66	ug/l	J	F	EPA200.8	SMP	0.18	1
BDD-SWSF-092817-I	9/28/17 5:36	Copper	68	ug/l		UF	EPA200.8	SMP	1.7	10
BDD-SWSF-092817-I-F	9/28/17 5:36	Copper	1.7	ug/l	U	F	EPA200.8	SMP	1.7	10
BDD-SWSF-092817-I	9/28/17 5:36	Iron	56000	ug/l		UF	EPA200.8	SMP	9.4	100
BDD-SWSF-092817-I-F	9/28/17 5:36	Iron	65	ug/l	J	F	EPA200.8	SMP	9.4	100
BDD-SWSF-092817-I	9/28/17 5:36	Lead	66	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-092817-I-F	9/28/17 5:36	Lead	0.13	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-092817-I	9/28/17 5:36	Magnesium	49000	ug/l		UF	EPA200.8	SMP	14	100
BDD-SWSF-092817-I-F	9/28/17 5:36	Magnesium	3400	ug/l		F	EPA200.8	SMP	14	100
BDD-SWSF-092817-I	9/28/17 5:36	Manganese	2600	ug/l		UF	EPA200.8	SMP	0.31	2
BDD-SWSF-092817-I-F	9/28/17 5:36	Manganese	4.7	ug/l		F	EPA200.8	SMP	0.31	2
BDD-SWSF-092817-I	9/28/17 5:36	Mercury	0.06	ug/l	J	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-092817-I-F	9/28/17 5:36	Mercury	0.06	ug/l	U	F	EPA245.1	DUP	0.06	0.2
BDD-SWSF-092817-I-F	9/28/17 5:36	Mercury	0.06	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-092817-I	9/28/17 5:36	Nickel	79	ug/l		UF	EPA200.8	SMP	0.89	5
BDD-SWSF-092817-I-F	9/28/17 5:36	Nickel	2.1	ug/l	J	F	EPA200.8	SMP	0.89	5
BDD-SWSF-092817-I	9/28/17 5:36	Potassium	24000	ug/l		UF	EPA200.8	SMP	69	1000
BDD-SWSF-092817-I-F	9/28/17 5:36	Potassium	2900	ug/l		F	EPA200.8	SMP	69	1000
BDD-SWSF-092817-I	9/28/17 5:36	Selenium	7.2	ug/l		UF	EPA200.8	SMP	0.22	1
BDD-SWSF-092817-I-F	9/28/17 5:36	Selenium	0.29	ug/l	J	F	EPA200.8	SMP	0.22	1
BDD-SWSF-092817-I	9/28/17 5:36	Silver	0.1	ug/l		UF	EPA200.8	SMP	0.02	0.1
BDD-SWSF-092817-I-F	9/28/17 5:36	Silver	0.02	ug/l	U	F	EPA200.8	SMP	0.02	0.1
BDD-SWSF-092817-I	9/28/17 5:36	Sodium	14000	ug/l		UF	EPA200.8	SMP	78	1000
BDD-SWSF-092817-I-F	9/28/17 5:36	Sodium	12000	ug/l		F	EPA200.8	SMP	78	1000
BDD-SWSF-092817-I	9/28/17 5:36	Thallium	1	ug/l		UF	EPA200.8	SMP	0.015	0.2
BDD-SWSF-092817-I-F	9/28/17 5:36	Thallium	0.015	ug/l	U	F	EPA200.8	SMP	0.015	0.2
BDD-SWSF-092817-I	9/28/17 5:36	Uranium	31	ug/l		UF	EPA200.8	SMP	0.022	0.1
BDD-SWSF-092817-I-F	9/28/17 5:36	Uranium	4.5	ug/l		F	EPA200.8	SMP	0.022	0.1
BDD-SWSF-092817-I	9/28/17 5:36	Vanadium	110	ug/l		UF	EPA200.8	SMP	0.12	1
BDD-SWSF-092817-I-F	9/28/17 5:36	Vanadium	4.4	ug/l		F	EPA200.8	SMP	0.12	1
BDD-SWSF-092817-I	9/28/17 5:36	Zinc	250	ug/l		UF	EPA200.8	SMP	1.5	20
BDD-SWSF-092817-I-F	9/28/17 5:36	Zinc	1.5	ug/l	U	F	EPA200.8	SMP	1.5	20
BDD-SWSF-092917-A	9/29/17 1:08	Aluminum	110000	ug/l		UF	EPA200.8	SMP	8.6	50
BDD-SWSF-092917-A-F	9/29/17 1:08	Aluminum	370	ug/l		F	EPA200.8	SMP	8.6	50
BDD-SWSF-092917-A	9/29/17 1:08	Antimony	0.07	ug/l	J	UF	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092917-A-F	9/29/17 1:08	Antimony	0.27	ug/l	J	F	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092917-A	9/29/17 1:08	Arsenic	21	ug/l		UF	EPA200.8	SMP	0.19	2

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-092917-A-F	9/29/17 1:08	Arsenic	2.2	ug/l		F	EPA200.8	SMP	0.19	2
BDD-SWSF-092917-A	9/29/17 1:08	Barium	1900	ug/l		UF	EPA200.8	SMP	0.39	1
BDD-SWSF-092917-A-F	9/29/17 1:08	Barium	75	ug/l		F	EPA200.8	SMP	0.39	1
BDD-SWSF-092917-A	9/29/17 1:08	Beryllium	9.5	ug/l		UF	EPA200.8	SMP	0.084	0.5
BDD-SWSF-092917-A-F	9/29/17 1:08	Beryllium	0.14	ug/l	J	F	EPA200.8	SMP	0.084	0.5
BDD-SWSF-092917-A	9/29/17 1:08	Boron	73	ug/l		UF	EPA200.8	SMP	4.8	50
BDD-SWSF-092917-A-F	9/29/17 1:08	Boron	33	ug/l	J	F	EPA200.8	SMP	4.8	50
BDD-SWSF-092917-A	9/29/17 1:08	Cadmium	0.88	ug/l		UF	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092917-A-F	9/29/17 1:08	Cadmium	0.056	ug/l	U	F	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092917-A	9/29/17 1:08	Calcium	300000	ug/l		UF	EPA200.8	SMP	88	1000
BDD-SWSF-092917-A-F	9/29/17 1:08	Calcium	30000	ug/l		F	EPA200.8	SMP	88	1000
BDD-SWSF-092917-A	9/29/17 1:08	Chromium	65	ug/l		UF	EPA200.8	SMP	0.92	10
BDD-SWSF-092917-A-F	9/29/17 1:08	Chromium	2.2	ug/l	J	F	EPA200.8	SMP	0.92	10
BDD-SWSF-092917-A	9/29/17 1:08	Cobalt	64	ug/l		UF	EPA200.8	SMP	0.18	1
BDD-SWSF-092917-A-F	9/29/17 1:08	Cobalt	0.55	ug/l	J	F	EPA200.8	SMP	0.18	1
BDD-SWSF-092917-A	9/29/17 1:08	Copper	83	ug/l		UF	EPA200.8	SMP	1.7	10
BDD-SWSF-092917-A-F	9/29/17 1:08	Copper	1.7	ug/l	U	F	EPA200.8	SMP	1.7	10
BDD-SWSF-092917-A	9/29/17 1:08	Iron	68000	ug/l		UF	EPA200.8	SMP	9.4	100
BDD-SWSF-092917-A-F	9/29/17 1:08	Iron	440	ug/l		F	EPA200.8	SMP	9.4	100
BDD-SWSF-092917-A	9/29/17 1:08	Lead	88	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-092917-A-F	9/29/17 1:08	Lead	0.17	ug/l	J	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-092917-A	9/29/17 1:08	Magnesium	55000	ug/l		UF	EPA200.8	SMP	14	100
BDD-SWSF-092917-A-F	9/29/17 1:08	Magnesium	3500	ug/l		F	EPA200.8	SMP	14	100
BDD-SWSF-092917-A	9/29/17 1:08	Manganese	3600	ug/l		UF	EPA200.8	SMP	0.31	2
BDD-SWSF-092917-A-F	9/29/17 1:08	Manganese	9.4	ug/l		F	EPA200.8	SMP	0.31	2
BDD-SWSF-092917-A	9/29/17 1:08	Mercury	0.11	ug/l	J	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-092917-A-F	9/29/17 1:08	Mercury	0.06	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-092917-A	9/29/17 1:08	Nickel	94	ug/l		UF	EPA200.8	SMP	0.89	5
BDD-SWSF-092917-A-F	9/29/17 1:08	Nickel	2.4	ug/l	J	F	EPA200.8	SMP	0.89	5
BDD-SWSF-092917-A	9/29/17 1:08	Potassium	21000	ug/l		UF	EPA200.8	SMP	69	1000
BDD-SWSF-092917-A-F	9/29/17 1:08	Potassium	2500	ug/l		F	EPA200.8	SMP	69	1000
BDD-SWSF-092917-A	9/29/17 1:08	Selenium	8.8	ug/l		UF	EPA200.8	SMP	0.22	1
BDD-SWSF-092917-A-F	9/29/17 1:08	Selenium	0.23	ug/l	J	F	EPA200.8	SMP	0.22	1
BDD-SWSF-092917-A	9/29/17 1:08	Silver	0.16	ug/l		UF	EPA200.8	SMP	0.02	0.1
BDD-SWSF-092917-A-F	9/29/17 1:08	Silver	0.02	ug/l	U	F	EPA200.8	SMP	0.02	0.1
BDD-SWSF-092917-A	9/29/17 1:08	Sodium	20000	ug/l		UF	EPA200.8	SMP	78	1000
BDD-SWSF-092917-A-F	9/29/17 1:08	Sodium	18000	ug/l		F	EPA200.8	SMP	78	1000
BDD-SWSF-092917-A	9/29/17 1:08	Thallium	1.1	ug/l		UF	EPA200.8	SMP	0.015	0.2
BDD-SWSF-092917-A-F	9/29/17 1:08	Thallium	0.015	ug/l	U	F	EPA200.8	SMP	0.015	0.2
BDD-SWSF-092917-A	9/29/17 1:08	Uranium	14	ug/l		UF	EPA200.8	SMP	0.022	0.1
BDD-SWSF-092917-A-F	9/29/17 1:08	Uranium	2.8	ug/l		F	EPA200.8	SMP	0.022	0.1
BDD-SWSF-092917-A	9/29/17 1:08	Vanadium	160	ug/l		UF	EPA200.8	SMP	0.12	1
BDD-SWSF-092917-A-F	9/29/17 1:08	Vanadium	7.6	ug/l		F	EPA200.8	SMP	0.12	1
BDD-SWSF-092917-A	9/29/17 1:08	Zinc	220	ug/l		UF	EPA200.8	SMP	1.5	20
BDD-SWSF-092917-A-F	9/29/17 1:08	Zinc	1.5	ug/l	U	F	EPA200.8	SMP	1.5	20
BDD-SWSF-092917-B	9/29/17 1:37	Aluminum	64000	ug/l		UF	EPA200.8	SMP	8.6	50
BDD-SWSF-092917-B-F	9/29/17 1:37	Aluminum	88	ug/l		F	EPA200.8	SMP	8.6	50
BDD-SWSF-092917-B	9/29/17 1:37	Antimony	0.08	ug/l	J	UF	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092917-B-F	9/29/17 1:37	Antimony	0.49	ug/l		F	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092917-B	9/29/17 1:37	Arsenic	13	ug/l		UF	EPA200.8	SMP	0.19	2
BDD-SWSF-092917-B-F	9/29/17 1:37	Arsenic	2.1	ug/l		F	EPA200.8	SMP	0.19	2
BDD-SWSF-092917-B	9/29/17 1:37	Barium	960	ug/l		UF	EPA200.8	SMP	0.39	1
BDD-SWSF-092917-B-F	9/29/17 1:37	Barium	70	ug/l		F	EPA200.8	SMP	0.39	1
BDD-SWSF-092917-B	9/29/17 1:37	Beryllium	5.3	ug/l		UF	EPA200.8	SMP	0.084	0.5
BDD-SWSF-092917-B-F	9/29/17 1:37	Beryllium	0.084	ug/l	U	F	EPA200.8	SMP	0.084	0.5
BDD-SWSF-092917-B	9/29/17 1:37	Boron	66	ug/l		UF	EPA200.8	SMP	4.8	50

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-092917-B-F	9/29/17 1:37	Boron	34	ug/l	J	F	EPA200.8	SMP	4.8	50
BDD-SWSF-092917-B	9/29/17 1:37	Cadmium	0.48	ug/l		UF	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092917-B-F	9/29/17 1:37	Cadmium	0.056	ug/l	U	F	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092917-B	9/29/17 1:37	Calcium	170000	ug/l		UF	EPA200.8	SMP	88	1000
BDD-SWSF-092917-B-F	9/29/17 1:37	Calcium	31000	ug/l		F	EPA200.8	SMP	88	1000
BDD-SWSF-092917-B	9/29/17 1:37	Chromium	43	ug/l		UF	EPA200.8	SMP	0.92	10
BDD-SWSF-092917-B-F	9/29/17 1:37	Chromium	2.4	ug/l	J	F	EPA200.8	SMP	0.92	10
BDD-SWSF-092917-B	9/29/17 1:37	Cobalt	31	ug/l		UF	EPA200.8	SMP	0.18	1
BDD-SWSF-092917-B-F	9/29/17 1:37	Cobalt	0.9	ug/l	J	F	EPA200.8	SMP	0.18	1
BDD-SWSF-092917-B	9/29/17 1:37	Copper	58	ug/l		UF	EPA200.8	SMP	1.7	10
BDD-SWSF-092917-B-F	9/29/17 1:37	Copper	1.7	ug/l	U	F	EPA200.8	SMP	1.7	10
BDD-SWSF-092917-B	9/29/17 1:37	Iron	39000	ug/l		UF	EPA200.8	SMP	9.4	100
BDD-SWSF-092917-B-F	9/29/17 1:37	Iron	63	ug/l	J	F	EPA200.8	SMP	9.4	100
BDD-SWSF-092917-B	9/29/17 1:37	Lead	48	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-092917-B-F	9/29/17 1:37	Lead	0.13	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-092917-B	9/29/17 1:37	Magnesium	35000	ug/l		UF	EPA200.8	SMP	14	100
BDD-SWSF-092917-B-F	9/29/17 1:37	Magnesium	4300	ug/l		F	EPA200.8	SMP	14	100
BDD-SWSF-092917-B	9/29/17 1:37	Manganese	1900	ug/l		UF	EPA200.8	SMP	0.31	2
BDD-SWSF-092917-B-F	9/29/17 1:37	Manganese	4.3	ug/l		F	EPA200.8	SMP	0.31	2
BDD-SWSF-092917-B	9/29/17 1:37	Mercury	0.06	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-092917-B-F	9/29/17 1:37	Mercury	0.06	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-092917-B	9/29/17 1:37	Nickel	57	ug/l		UF	EPA200.8	SMP	0.89	5
BDD-SWSF-092917-B-F	9/29/17 1:37	Nickel	1.7	ug/l	J	F	EPA200.8	SMP	0.89	5
BDD-SWSF-092917-B	9/29/17 1:37	Potassium	15000	ug/l		UF	EPA200.8	SMP	69	1000
BDD-SWSF-092917-B-F	9/29/17 1:37	Potassium	2500	ug/l		F	EPA200.8	SMP	69	1000
BDD-SWSF-092917-B	9/29/17 1:37	Selenium	5	ug/l		UF	EPA200.8	SMP	0.22	1
BDD-SWSF-092917-B-F	9/29/17 1:37	Selenium	0.22	ug/l	U	F	EPA200.8	SMP	0.22	1
BDD-SWSF-092917-B	9/29/17 1:37	Silver	0.13	ug/l		UF	EPA200.8	SMP	0.02	0.1
BDD-SWSF-092917-B-F	9/29/17 1:37	Silver	0.02	ug/l	U	F	EPA200.8	SMP	0.02	0.1
BDD-SWSF-092917-B	9/29/17 1:37	Sodium	21000	ug/l		UF	EPA200.8	SMP	78	1000
BDD-SWSF-092917-B-F	9/29/17 1:37	Sodium	20000	ug/l		F	EPA200.8	SMP	78	1000
BDD-SWSF-092917-B	9/29/17 1:37	Thallium	0.65	ug/l		UF	EPA200.8	SMP	0.015	0.2
BDD-SWSF-092917-B-F	9/29/17 1:37	Thallium	0.015	ug/l	U	F	EPA200.8	SMP	0.015	0.2
BDD-SWSF-092917-B	9/29/17 1:37	Uranium	10	ug/l		UF	EPA200.8	SMP	0.022	0.1
BDD-SWSF-092917-B-F	9/29/17 1:37	Uranium	3.2	ug/l		F	EPA200.8	SMP	0.022	0.1
BDD-SWSF-092917-B	9/29/17 1:37	Vanadium	91	ug/l		UF	EPA200.8	SMP	0.12	1
BDD-SWSF-092917-B-F	9/29/17 1:37	Vanadium	7.1	ug/l		F	EPA200.8	SMP	0.12	1
BDD-SWSF-092917-B	9/29/17 1:37	Zinc	140	ug/l		UF	EPA200.8	SMP	1.5	20
BDD-SWSF-092917-B-F	9/29/17 1:37	Zinc	1.5	ug/l	U	F	EPA200.8	SMP	1.5	20
BDD-SWSF-092917-C	9/29/17 2:08	Aluminum	70000	ug/l		UF	EPA200.8	SMP	8.6	50
BDD-SWSF-092917-C-F	9/29/17 2:08	Aluminum	83	ug/l		F	EPA200.8	SMP	8.6	50
BDD-SWSF-092917-C	9/29/17 2:08	Antimony	0.12	ug/l	J	UF	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092917-C-F	9/29/17 2:08	Antimony	0.46	ug/l		F	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092917-C	9/29/17 2:08	Arsenic	14	ug/l		UF	EPA200.8	SMP	0.19	2
BDD-SWSF-092917-C-F	9/29/17 2:08	Arsenic	2.2	ug/l		F	EPA200.8	SMP	0.19	2
BDD-SWSF-092917-C	9/29/17 2:08	Barium	1100	ug/l		UF	EPA200.8	SMP	0.39	1
BDD-SWSF-092917-C-F	9/29/17 2:08	Barium	71	ug/l		F	EPA200.8	SMP	0.39	1
BDD-SWSF-092917-C	9/29/17 2:08	Beryllium	5.8	ug/l		UF	EPA200.8	SMP	0.084	0.5
BDD-SWSF-092917-C-F	9/29/17 2:08	Beryllium	0.084	ug/l	U	F	EPA200.8	SMP	0.084	0.5
BDD-SWSF-092917-C	9/29/17 2:08	Boron	69	ug/l		UF	EPA200.8	SMP	4.8	50
BDD-SWSF-092917-C-F	9/29/17 2:08	Boron	33	ug/l	J	F	EPA200.8	SMP	4.8	50
BDD-SWSF-092917-C	9/29/17 2:08	Cadmium	0.61	ug/l		UF	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092917-C-F	9/29/17 2:08	Cadmium	0.056	ug/l	U	F	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092917-C	9/29/17 2:08	Calcium	220000	ug/l		UF	EPA200.8	SMP	88	1000
BDD-SWSF-092917-C-F	9/29/17 2:08	Calcium	31000	ug/l		F	EPA200.8	SMP	88	1000
BDD-SWSF-092917-C	9/29/17 2:08	Chromium	53	ug/l		UF	EPA200.8	SMP	0.92	10

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-092917-C-F	9/29/17 2:08	Chromium	1.4	ug/l	J	F	EPA200.8	SMP	0.92	10
BDD-SWSF-092917-C	9/29/17 2:08	Cobalt	39	ug/l		UF	EPA200.8	SMP	0.18	1
BDD-SWSF-092917-C-F	9/29/17 2:08	Cobalt	0.79	ug/l	J	F	EPA200.8	SMP	0.18	1
BDD-SWSF-092917-C	9/29/17 2:08	Copper	65	ug/l		UF	EPA200.8	SMP	1.7	10
BDD-SWSF-092917-C-F	9/29/17 2:08	Copper	1.7	ug/l	U	F	EPA200.8	SMP	1.7	10
BDD-SWSF-092917-C	9/29/17 2:08	Iron	47000	ug/l		UF	EPA200.8	SMP	9.4	100
BDD-SWSF-092917-C-F	9/29/17 2:08	Iron	60	ug/l	J	F	EPA200.8	SMP	9.4	100
BDD-SWSF-092917-C	9/29/17 2:08	Lead	58	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-092917-C-F	9/29/17 2:08	Lead	0.13	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-092917-C	9/29/17 2:08	Magnesium	40000	ug/l		UF	EPA200.8	SMP	14	100
BDD-SWSF-092917-C-F	9/29/17 2:08	Magnesium	4300	ug/l		F	EPA200.8	SMP	14	100
BDD-SWSF-092917-C	9/29/17 2:08	Manganese	2300	ug/l		UF	EPA200.8	SMP	0.31	2
BDD-SWSF-092917-C-F	9/29/17 2:08	Manganese	3.2	ug/l		F	EPA200.8	SMP	0.31	2
BDD-SWSF-092917-C	9/29/17 2:08	Mercury	0.06	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-092917-C-F	9/29/17 2:08	Mercury	0.06	ug/l	U	F	EPA245.1	DUP	0.06	0.2
BDD-SWSF-092917-C-F	9/29/17 2:08	Mercury	0.06	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-092917-C	9/29/17 2:08	Nickel	68	ug/l		UF	EPA200.8	SMP	0.89	5
BDD-SWSF-092917-C-F	9/29/17 2:08	Nickel	1.8	ug/l	J	F	EPA200.8	SMP	0.89	5
BDD-SWSF-092917-C	9/29/17 2:08	Potassium	17000	ug/l		UF	EPA200.8	SMP	69	1000
BDD-SWSF-092917-C-F	9/29/17 2:08	Potassium	2500	ug/l		F	EPA200.8	SMP	69	1000
BDD-SWSF-092917-C	9/29/17 2:08	Selenium	5.4	ug/l		UF	EPA200.8	SMP	0.22	1
BDD-SWSF-092917-C-F	9/29/17 2:08	Selenium	0.22	ug/l	U	F	EPA200.8	SMP	0.22	1
BDD-SWSF-092917-C	9/29/17 2:08	Silver	0.14	ug/l		UF	EPA200.8	SMP	0.02	0.1
BDD-SWSF-092917-C-F	9/29/17 2:08	Silver	0.02	ug/l	U	F	EPA200.8	SMP	0.02	0.1
BDD-SWSF-092917-C	9/29/17 2:08	Sodium	21000	ug/l		UF	EPA200.8	SMP	78	1000
BDD-SWSF-092917-C-F	9/29/17 2:08	Sodium	19000	ug/l		F	EPA200.8	SMP	78	1000
BDD-SWSF-092917-C	9/29/17 2:08	Thallium	0.84	ug/l		UF	EPA200.8	SMP	0.015	0.2
BDD-SWSF-092917-C-F	9/29/17 2:08	Thallium	0.015	ug/l	U	F	EPA200.8	SMP	0.015	0.2
BDD-SWSF-092917-C	9/29/17 2:08	Uranium	13	ug/l		UF	EPA200.8	SMP	0.022	0.1
BDD-SWSF-092917-C-F	9/29/17 2:08	Uranium	3.3	ug/l		F	EPA200.8	SMP	0.022	0.1
BDD-SWSF-092917-C	9/29/17 2:08	Vanadium	100	ug/l		UF	EPA200.8	SMP	0.12	1
BDD-SWSF-092917-C-F	9/29/17 2:08	Vanadium	6.4	ug/l		F	EPA200.8	SMP	0.12	1
BDD-SWSF-092917-C	9/29/17 2:08	Zinc	180	ug/l		UF	EPA200.8	SMP	1.5	20
BDD-SWSF-092917-C-F	9/29/17 2:08	Zinc	1.5	ug/l	U	F	EPA200.8	SMP	1.5	20
BDD-SWSF-092917-E	9/29/17 3:38	Aluminum	170000	ug/l		UF	EPA200.8	SMP	8.6	50
BDD-SWSF-092917-E-F	9/29/17 3:38	Aluminum	177	ug/l		F	EPA200.8	DUP	8.6	50
BDD-SWSF-092917-E-F	9/29/17 3:38	Aluminum	170	ug/l		F	EPA200.8	SMP	8.6	50
BDD-SWSF-092917-E	9/29/17 3:38	Antimony	0.09	ug/l	J	UF	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092917-E-F	9/29/17 3:38	Antimony	0.59	ug/l		F	EPA200.8	DUP	0.0564	0.3
BDD-SWSF-092917-E-F	9/29/17 3:38	Antimony	0.64	ug/l		F	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092917-E	9/29/17 3:38	Arsenic	44	ug/l		UF	EPA200.8	SMP	0.19	2
BDD-SWSF-092917-E-F	9/29/17 3:38	Arsenic	2.68	ug/l		F	EPA200.8	DUP	0.191	2
BDD-SWSF-092917-E-F	9/29/17 3:38	Arsenic	2.7	ug/l		F	EPA200.8	SMP	0.19	2
BDD-SWSF-092917-E	9/29/17 3:38	Barium	3800	ug/l		UF	EPA200.8	SMP	0.39	1
BDD-SWSF-092917-E-F	9/29/17 3:38	Barium	77	ug/l		F	EPA200.8	DUP	0.389	1
BDD-SWSF-092917-E-F	9/29/17 3:38	Barium	73	ug/l		F	EPA200.8	SMP	0.39	1
BDD-SWSF-092917-E	9/29/17 3:38	Beryllium	17	ug/l		UF	EPA200.8	SMP	0.084	0.5
BDD-SWSF-092917-E-F	9/29/17 3:38	Beryllium	0.0837	ug/l	U	F	EPA200.8	DUP	0.0837	0.5
BDD-SWSF-092917-E-F	9/29/17 3:38	Beryllium	0.084	ug/l	U	F	EPA200.8	SMP	0.084	0.5
BDD-SWSF-092917-E	9/29/17 3:38	Boron	100	ug/l		UF	EPA200.8	SMP	4.8	50
BDD-SWSF-092917-E-F	9/29/17 3:38	Boron	24.4	ug/l	J	F	EPA200.8	DUP	4.85	50
BDD-SWSF-092917-E-F	9/29/17 3:38	Boron	27	ug/l	J	F	EPA200.8	SMP	4.8	50
BDD-SWSF-092917-E	9/29/17 3:38	Cadmium	2.6	ug/l		UF	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092917-E-F	9/29/17 3:38	Cadmium	0.0561	ug/l	U	F	EPA200.8	DUP	0.0561	0.3
BDD-SWSF-092917-E-F	9/29/17 3:38	Cadmium	0.056	ug/l	U	F	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092917-E	9/29/17 3:38	Calcium	770000	ug/l		UF	EPA200.8	SMP	88	1000

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-092917-E-F	9/29/17 3:38	Calcium	28800	ug/l		F	EPA200.8	DUP	88.4	1000
BDD-SWSF-092917-E-F	9/29/17 3:38	Calcium	28000	ug/l		F	EPA200.8	SMP	88	1000
BDD-SWSF-092917-E	9/29/17 3:38	Chromium	140	ug/l		UF	EPA200.8	SMP	0.92	10
BDD-SWSF-092917-E-F	9/29/17 3:38	Chromium	2.16	ug/l	J	F	EPA200.8	DUP	0.916	10
BDD-SWSF-092917-E-F	9/29/17 3:38	Chromium	1.1	ug/l	J	F	EPA200.8	SMP	0.92	10
BDD-SWSF-092917-E	9/29/17 3:38	Cobalt	110	ug/l		UF	EPA200.8	SMP	0.18	1
BDD-SWSF-092917-E-F	9/29/17 3:38	Cobalt	1.05	ug/l		F	EPA200.8	DUP	0.178	1
BDD-SWSF-092917-E-F	9/29/17 3:38	Cobalt	1	ug/l		F	EPA200.8	SMP	0.18	1
BDD-SWSF-092917-E	9/29/17 3:38	Copper	160	ug/l		UF	EPA200.8	SMP	1.7	10
BDD-SWSF-092917-E-F	9/29/17 3:38	Copper	1.71	ug/l	U	F	EPA200.8	DUP	1.71	10
BDD-SWSF-092917-E-F	9/29/17 3:38	Copper	1.7	ug/l	U	F	EPA200.8	SMP	1.7	10
BDD-SWSF-092917-E	9/29/17 3:38	Iron	120000	ug/l		UF	EPA200.8	SMP	9.4	100
BDD-SWSF-092917-E-F	9/29/17 3:38	Iron	119	ug/l		F	EPA200.8	DUP	9.37	100
BDD-SWSF-092917-E-F	9/29/17 3:38	Iron	120	ug/l		F	EPA200.8	SMP	9.4	100
BDD-SWSF-092917-E	9/29/17 3:38	Lead	190	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-092917-E-F	9/29/17 3:38	Lead	0.128	ug/l	U	F	EPA200.8	DUP	0.128	0.5
BDD-SWSF-092917-E-F	9/29/17 3:38	Lead	0.13	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-092917-E	9/29/17 3:38	Magnesium	100000	ug/l		UF	EPA200.8	SMP	14	100
BDD-SWSF-092917-E-F	9/29/17 3:38	Magnesium	3030	ug/l		F	EPA200.8	DUP	13.6	100
BDD-SWSF-092917-E-F	9/29/17 3:38	Magnesium	2900	ug/l		F	EPA200.8	SMP	14	100
BDD-SWSF-092917-E	9/29/17 3:38	Manganese	8200	ug/l		UF	EPA200.8	SMP	0.31	2
BDD-SWSF-092917-E-F	9/29/17 3:38	Manganese	14	ug/l		F	EPA200.8	DUP	0.311	2
BDD-SWSF-092917-E-F	9/29/17 3:38	Manganese	14	ug/l		F	EPA200.8	SMP	0.31	2
BDD-SWSF-092917-E	9/29/17 3:38	Mercury	0.15	ug/l	J	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-092917-E-F	9/29/17 3:38	Mercury	0.06	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-092917-E	9/29/17 3:38	Nickel	190	ug/l		UF	EPA200.8	SMP	0.89	5
BDD-SWSF-092917-E-F	9/29/17 3:38	Nickel	1.83	ug/l	J	F	EPA200.8	DUP	0.886	5
BDD-SWSF-092917-E-F	9/29/17 3:38	Nickel	1.5	ug/l	J	F	EPA200.8	SMP	0.89	5
BDD-SWSF-092917-E	9/29/17 3:38	Potassium	45000	ug/l		UF	EPA200.8	SMP	69	1000
BDD-SWSF-092917-E-F	9/29/17 3:38	Potassium	3010	ug/l		F	EPA200.8	DUP	69.2	1000
BDD-SWSF-092917-E-F	9/29/17 3:38	Potassium	3000	ug/l		F	EPA200.8	SMP	69	1000
BDD-SWSF-092917-E	9/29/17 3:38	Selenium	21	ug/l		UF	EPA200.8	SMP	0.22	1
BDD-SWSF-092917-E-F	9/29/17 3:38	Selenium	0.36	ug/l	J	F	EPA200.8	DUP	0.222	1
BDD-SWSF-092917-E-F	9/29/17 3:38	Selenium	0.32	ug/l	J	F	EPA200.8	SMP	0.22	1
BDD-SWSF-092917-E	9/29/17 3:38	Silver	0.41	ug/l		UF	EPA200.8	SMP	0.02	0.1
BDD-SWSF-092917-E-F	9/29/17 3:38	Silver	0.0204	ug/l	U	F	EPA200.8	DUP	0.0204	0.1
BDD-SWSF-092917-E-F	9/29/17 3:38	Silver	0.02	ug/l	U	F	EPA200.8	SMP	0.02	0.1
BDD-SWSF-092917-E	9/29/17 3:38	Sodium	21000	ug/l		UF	EPA200.8	SMP	78	1000
BDD-SWSF-092917-E-F	9/29/17 3:38	Sodium	15900	ug/l		F	EPA200.8	DUP	78.5	1000
BDD-SWSF-092917-E-F	9/29/17 3:38	Sodium	16000	ug/l		F	EPA200.8	SMP	78	1000
BDD-SWSF-092917-E	9/29/17 3:38	Thallium	2.4	ug/l		UF	EPA200.8	SMP	0.015	0.2
BDD-SWSF-092917-E-F	9/29/17 3:38	Thallium	0.0146	ug/l	U	F	EPA200.8	DUP	0.0146	0.2
BDD-SWSF-092917-E-F	9/29/17 3:38	Thallium	0.015	ug/l	U	F	EPA200.8	SMP	0.015	0.2
BDD-SWSF-092917-E	9/29/17 3:38	Uranium	66	ug/l		UF	EPA200.8	SMP	0.022	0.1
BDD-SWSF-092917-E-F	9/29/17 3:38	Uranium	7.31	ug/l		F	EPA200.8	DUP	0.022	0.1
BDD-SWSF-092917-E-F	9/29/17 3:38	Uranium	7.3	ug/l		F	EPA200.8	SMP	0.022	0.1
BDD-SWSF-092917-E	9/29/17 3:38	Vanadium	190	ug/l		UF	EPA200.8	SMP	0.12	1
BDD-SWSF-092917-E-F	9/29/17 3:38	Vanadium	6.28	ug/l		F	EPA200.8	DUP	0.123	1
BDD-SWSF-092917-E-F	9/29/17 3:38	Vanadium	6.4	ug/l		F	EPA200.8	SMP	0.12	1
BDD-SWSF-092917-E	9/29/17 3:38	Zinc	590	ug/l		UF	EPA200.8	SMP	1.5	20
BDD-SWSF-092917-E-F	9/29/17 3:38	Zinc	1.47	ug/l	U	F	EPA200.8	DUP	1.47	20
BDD-SWSF-092917-E-F	9/29/17 3:38	Zinc	1.5	ug/l	U	F	EPA200.8	SMP	1.5	20
BDD-SWSF-092917-F	9/29/17 4:20	Aluminum	240000	ug/l		UF	EPA200.8	SMP	8.6	50
BDD-SWSF-092917-F-F	9/29/17 4:20	Aluminum	1900	ug/l		F	EPA200.8	SMP	8.6	50
BDD-SWSF-092917-F	9/29/17 4:20	Antimony	0.16	ug/l	J	UF	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092917-F-F	9/29/17 4:20	Antimony	0.63	ug/l		F	EPA200.8	SMP	0.056	0.3

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-092917-F	9/29/17 4:20	Arsenic	64	ug/l		UF	EPA200.8	SMP	0.19	2
BDD-SWSF-092917-F-F	9/29/17 4:20	Arsenic	3.2	ug/l		F	EPA200.8	SMP	0.19	2
BDD-SWSF-092917-F	9/29/17 4:20	Barium	4800	ug/l		UF	EPA200.8	SMP	0.39	1
BDD-SWSF-092917-F-F	9/29/17 4:20	Barium	100	ug/l		F	EPA200.8	SMP	0.39	1
BDD-SWSF-092917-F	9/29/17 4:20	Beryllium	22	ug/l		UF	EPA200.8	SMP	0.084	0.5
BDD-SWSF-092917-F-F	9/29/17 4:20	Beryllium	0.1	ug/l	J	F	EPA200.8	SMP	0.084	0.5
BDD-SWSF-092917-F	9/29/17 4:20	Boron	140	ug/l		UF	EPA200.8	SMP	4.8	50
BDD-SWSF-092917-F-F	9/29/17 4:20	Boron	34	ug/l	J	F	EPA200.8	SMP	4.8	50
BDD-SWSF-092917-F	9/29/17 4:20	Cadmium	3	ug/l		UF	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092917-F-F	9/29/17 4:20	Cadmium	0.056	ug/l	U	F	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092917-F	9/29/17 4:20	Calcium	940000	ug/l		UF	EPA200.8	SMP	88	1000
BDD-SWSF-092917-F-F	9/29/17 4:20	Calcium	32000	ug/l		F	EPA200.8	SMP	88	1000
BDD-SWSF-092917-F	9/29/17 4:20	Chromium	200	ug/l		UF	EPA200.8	SMP	0.92	10
BDD-SWSF-092917-F-F	9/29/17 4:20	Chromium	4.9	ug/l	J	F	EPA200.8	SMP	0.92	10
BDD-SWSF-092917-F	9/29/17 4:20	Cobalt	150	ug/l		UF	EPA200.8	SMP	0.18	1
BDD-SWSF-092917-F-F	9/29/17 4:20	Cobalt	1.8	ug/l		F	EPA200.8	SMP	0.18	1
BDD-SWSF-092917-F	9/29/17 4:20	Copper	230	ug/l		UF	EPA200.8	SMP	1.7	10
BDD-SWSF-092917-F-F	9/29/17 4:20	Copper	1.9	ug/l	J	F	EPA200.8	SMP	1.7	10
BDD-SWSF-092917-F	9/29/17 4:20	Iron	190000	ug/l		UF	EPA200.8	SMP	9.4	100
BDD-SWSF-092917-F-F	9/29/17 4:20	Iron	1200	ug/l		F	EPA200.8	SMP	9.4	100
BDD-SWSF-092917-F	9/29/17 4:20	Lead	250	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-092917-F-F	9/29/17 4:20	Lead	0.99	ug/l		F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-092917-F	9/29/17 4:20	Magnesium	140000	ug/l		UF	EPA200.8	SMP	14	100
BDD-SWSF-092917-F-F	9/29/17 4:20	Magnesium	3700	ug/l		F	EPA200.8	SMP	14	100
BDD-SWSF-092917-F	9/29/17 4:20	Manganese	11000	ug/l		UF	EPA200.8	SMP	0.31	2
BDD-SWSF-092917-F-F	9/29/17 4:20	Manganese	75	ug/l		F	EPA200.8	SMP	0.31	2
BDD-SWSF-092917-F	9/29/17 4:20	Mercury	0.19	ug/l	J	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-092917-F-F	9/29/17 4:20	Mercury	0.06	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-092917-F	9/29/17 4:20	Nickel	270	ug/l		UF	EPA200.8	SMP	0.89	5
BDD-SWSF-092917-F-F	9/29/17 4:20	Nickel	5.1	ug/l		F	EPA200.8	SMP	0.89	5
BDD-SWSF-092917-F	9/29/17 4:20	Potassium	63000	ug/l		UF	EPA200.8	SMP	69	1000
BDD-SWSF-092917-F-F	9/29/17 4:20	Potassium	3400	ug/l		F	EPA200.8	SMP	69	1000
BDD-SWSF-092917-F	9/29/17 4:20	Selenium	26	ug/l		UF	EPA200.8	SMP	0.22	1
BDD-SWSF-092917-F-F	9/29/17 4:20	Selenium	0.33	ug/l	J	F	EPA200.8	SMP	0.22	1
BDD-SWSF-092917-F	9/29/17 4:20	Silver	0.38	ug/l		UF	EPA200.8	SMP	0.02	0.1
BDD-SWSF-092917-F-F	9/29/17 4:20	Silver	0.02	ug/l	U	F	EPA200.8	SMP	0.02	0.1
BDD-SWSF-092917-F	9/29/17 4:20	Sodium	21000	ug/l		UF	EPA200.8	SMP	78	1000
BDD-SWSF-092917-F-F	9/29/17 4:20	Sodium	16000	ug/l		F	EPA200.8	SMP	78	1000
BDD-SWSF-092917-F	9/29/17 4:20	Thallium	3.6	ug/l		UF	EPA200.8	SMP	0.015	0.2
BDD-SWSF-092917-F-F	9/29/17 4:20	Thallium	0.015	ug/l	U	F	EPA200.8	SMP	0.015	0.2
BDD-SWSF-092917-F	9/29/17 4:20	Uranium	77	ug/l		UF	EPA200.8	SMP	0.022	0.1
BDD-SWSF-092917-F-F	9/29/17 4:20	Uranium	7.7	ug/l		F	EPA200.8	SMP	0.022	0.1
BDD-SWSF-092917-F	9/29/17 4:20	Vanadium	320	ug/l		UF	EPA200.8	SMP	0.12	1
BDD-SWSF-092917-F-F	9/29/17 4:20	Vanadium	8	ug/l		F	EPA200.8	SMP	0.12	1
BDD-SWSF-092917-F	9/29/17 4:20	Zinc	790	ug/l		UF	EPA200.8	SMP	1.5	20
BDD-SWSF-092917-F-F	9/29/17 4:20	Zinc	1.5	ug/l	U	F	EPA200.8	SMP	1.5	20
BDD-SWSF-092917-G	9/29/17 5:08	Aluminum	160000	ug/l		UF	EPA200.8	SMP	8.6	50
BDD-SWSF-092917-G-F	9/29/17 5:08	Aluminum	119	ug/l		F	EPA200.8	DUP	8.6	50
BDD-SWSF-092917-G-F	9/29/17 5:08	Aluminum	130	ug/l		F	EPA200.8	SMP	8.6	50
BDD-SWSF-092917-G	9/29/17 5:08	Antimony	0.08	ug/l	J	UF	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092917-G-F	9/29/17 5:08	Antimony	0.48	ug/l		F	EPA200.8	DUP	0.0564	0.3
BDD-SWSF-092917-G-F	9/29/17 5:08	Antimony	0.41	ug/l		F	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092917-G	9/29/17 5:08	Arsenic	41	ug/l		UF	EPA200.8	SMP	0.19	2
BDD-SWSF-092917-G-F	9/29/17 5:08	Arsenic	2.59	ug/l		F	EPA200.8	DUP	0.191	2
BDD-SWSF-092917-G-F	9/29/17 5:08	Arsenic	2.6	ug/l		F	EPA200.8	SMP	0.19	2
BDD-SWSF-092917-G	9/29/17 5:08	Barium	3200	ug/l		UF	EPA200.8	SMP	0.39	1

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-092917-G-F	9/29/17 5:08	Barium	84.1	ug/l		F	EPA200.8	DUP	0.389	1
BDD-SWSF-092917-G-F	9/29/17 5:08	Barium	88	ug/l		F	EPA200.8	SMP	0.39	1
BDD-SWSF-092917-G	9/29/17 5:08	Beryllium	16	ug/l		UF	EPA200.8	SMP	0.084	0.5
BDD-SWSF-092917-G-F	9/29/17 5:08	Beryllium	0.0837	ug/l	U	F	EPA200.8	DUP	0.0837	0.5
BDD-SWSF-092917-G-F	9/29/17 5:08	Beryllium	0.084	ug/l	U	F	EPA200.8	SMP	0.084	0.5
BDD-SWSF-092917-G	9/29/17 5:08	Boron	110	ug/l		UF	EPA200.8	SMP	4.8	50
BDD-SWSF-092917-G-F	9/29/17 5:08	Boron	30.3	ug/l	J	F	EPA200.8	DUP	4.85	50
BDD-SWSF-092917-G-F	9/29/17 5:08	Boron	30	ug/l	J	F	EPA200.8	SMP	4.8	50
BDD-SWSF-092917-G	9/29/17 5:08	Cadmium	1.8	ug/l		UF	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092917-G-F	9/29/17 5:08	Cadmium	0.0561	ug/l	U	F	EPA200.8	DUP	0.0561	0.3
BDD-SWSF-092917-G-F	9/29/17 5:08	Cadmium	0.056	ug/l	U	F	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092917-G	9/29/17 5:08	Calcium	600000	ug/l		UF	EPA200.8	SMP	88	1000
BDD-SWSF-092917-G-F	9/29/17 5:08	Calcium	31000	ug/l		F	EPA200.8	DUP	88.4	1000
BDD-SWSF-092917-G-F	9/29/17 5:08	Calcium	32000	ug/l		F	EPA200.8	SMP	88	1000
BDD-SWSF-092917-G	9/29/17 5:08	Chromium	140	ug/l		UF	EPA200.8	SMP	0.92	10
BDD-SWSF-092917-G-F	9/29/17 5:08	Chromium	2.76	ug/l	J	F	EPA200.8	DUP	0.916	10
BDD-SWSF-092917-G-F	9/29/17 5:08	Chromium	2.6	ug/l	J	F	EPA200.8	SMP	0.92	10
BDD-SWSF-092917-G	9/29/17 5:08	Cobalt	99	ug/l		UF	EPA200.8	SMP	0.18	1
BDD-SWSF-092917-G-F	9/29/17 5:08	Cobalt	0.26	ug/l	J	F	EPA200.8	DUP	0.178	1
BDD-SWSF-092917-G-F	9/29/17 5:08	Cobalt	0.24	ug/l	J	F	EPA200.8	SMP	0.18	1
BDD-SWSF-092917-G	9/29/17 5:08	Copper	150	ug/l		UF	EPA200.8	SMP	1.7	10
BDD-SWSF-092917-G-F	9/29/17 5:08	Copper	1.71	ug/l	U	F	EPA200.8	DUP	1.71	10
BDD-SWSF-092917-G-F	9/29/17 5:08	Copper	1.7	ug/l	U	F	EPA200.8	SMP	1.7	10
BDD-SWSF-092917-G	9/29/17 5:08	Iron	130000	ug/l		UF	EPA200.8	SMP	9.4	100
BDD-SWSF-092917-G-F	9/29/17 5:08	Iron	87.5	ug/l	J	F	EPA200.8	DUP	9.37	100
BDD-SWSF-092917-G-F	9/29/17 5:08	Iron	89	ug/l	J	F	EPA200.8	SMP	9.4	100
BDD-SWSF-092917-G	9/29/17 5:08	Lead	160	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-092917-G-F	9/29/17 5:08	Lead	0.128	ug/l	U	F	EPA200.8	DUP	0.128	0.5
BDD-SWSF-092917-G-F	9/29/17 5:08	Lead	0.13	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-092917-G	9/29/17 5:08	Magnesium	100000	ug/l		UF	EPA200.8	SMP	14	100
BDD-SWSF-092917-G-F	9/29/17 5:08	Magnesium	3330	ug/l		F	EPA200.8	DUP	13.6	100
BDD-SWSF-092917-G-F	9/29/17 5:08	Magnesium	3500	ug/l		F	EPA200.8	SMP	14	100
BDD-SWSF-092917-G	9/29/17 5:08	Manganese	7000	ug/l		UF	EPA200.8	SMP	0.31	2
BDD-SWSF-092917-G-F	9/29/17 5:08	Manganese	3.74	ug/l		F	EPA200.8	DUP	0.311	2
BDD-SWSF-092917-G-F	9/29/17 5:08	Manganese	3.3	ug/l		F	EPA200.8	SMP	0.31	2
BDD-SWSF-092917-G	9/29/17 5:08	Mercury	0.13	ug/l	J	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-092917-G-F	9/29/17 5:08	Mercury	0.06	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-092917-G	9/29/17 5:08	Nickel	190	ug/l		UF	EPA200.8	SMP	0.89	5
BDD-SWSF-092917-G-F	9/29/17 5:08	Nickel	2.29	ug/l	J	F	EPA200.8	DUP	0.886	5
BDD-SWSF-092917-G-F	9/29/17 5:08	Nickel	3.3	ug/l	J	F	EPA200.8	SMP	0.89	5
BDD-SWSF-092917-G	9/29/17 5:08	Potassium	43000	ug/l		UF	EPA200.8	SMP	69	1000
BDD-SWSF-092917-G-F	9/29/17 5:08	Potassium	3080	ug/l		F	EPA200.8	DUP	69.2	1000
BDD-SWSF-092917-G-F	9/29/17 5:08	Potassium	3000	ug/l		F	EPA200.8	SMP	69	1000
BDD-SWSF-092917-G	9/29/17 5:08	Selenium	18	ug/l		UF	EPA200.8	SMP	0.22	1
BDD-SWSF-092917-G-F	9/29/17 5:08	Selenium	0.37	ug/l	J	F	EPA200.8	DUP	0.222	1
BDD-SWSF-092917-G-F	9/29/17 5:08	Selenium	0.31	ug/l	J	F	EPA200.8	SMP	0.22	1
BDD-SWSF-092917-G	9/29/17 5:08	Silver	0.22	ug/l		UF	EPA200.8	SMP	0.02	0.1
BDD-SWSF-092917-G-F	9/29/17 5:08	Silver	0.0204	ug/l	U	F	EPA200.8	DUP	0.0204	0.1
BDD-SWSF-092917-G-F	9/29/17 5:08	Silver	0.02	ug/l	U	F	EPA200.8	SMP	0.02	0.1
BDD-SWSF-092917-G	9/29/17 5:08	Sodium	19000	ug/l		UF	EPA200.8	SMP	78	1000
BDD-SWSF-092917-G-F	9/29/17 5:08	Sodium	15000	ug/l		F	EPA200.8	DUP	78.5	1000
BDD-SWSF-092917-G-F	9/29/17 5:08	Sodium	15000	ug/l		F	EPA200.8	SMP	78	1000
BDD-SWSF-092917-G	9/29/17 5:08	Thallium	2.3	ug/l		UF	EPA200.8	SMP	0.015	0.2
BDD-SWSF-092917-G-F	9/29/17 5:08	Thallium	0.0146	ug/l	U	F	EPA200.8	DUP	0.0146	0.2
BDD-SWSF-092917-G-F	9/29/17 5:08	Thallium	0.015	ug/l	U	F	EPA200.8	SMP	0.015	0.2
BDD-SWSF-092917-G	9/29/17 5:08	Uranium	50	ug/l		UF	EPA200.8	SMP	0.022	0.1

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-092917-G-F	9/29/17 5:08	Uranium	5.96	ug/l		F	EPA200.8	DUP	0.022	0.1
BDD-SWSF-092917-G-F	9/29/17 5:08	Uranium	6	ug/l		F	EPA200.8	SMP	0.022	0.1
BDD-SWSF-092917-G	9/29/17 5:08	Vanadium	230	ug/l		UF	EPA200.8	SMP	0.12	1
BDD-SWSF-092917-G-F	9/29/17 5:08	Vanadium	5.86	ug/l		F	EPA200.8	DUP	0.123	1
BDD-SWSF-092917-G-F	9/29/17 5:08	Vanadium	5.7	ug/l		F	EPA200.8	SMP	0.12	1
BDD-SWSF-092917-G	9/29/17 5:08	Zinc	540	ug/l		UF	EPA200.8	SMP	1.5	20
BDD-SWSF-092917-G-F	9/29/17 5:08	Zinc	1.47	ug/l	U	F	EPA200.8	DUP	1.47	20
BDD-SWSF-092917-G-F	9/29/17 5:08	Zinc	1.5	ug/l	U	F	EPA200.8	SMP	1.5	20
BDD-SWSF-092917-H	9/29/17 5:53	Aluminum	150000	ug/l		UF	EPA200.8	SMP	8.6	50
BDD-SWSF-092917-H-F	9/29/17 5:53	Aluminum	130	ug/l		F	EPA200.8	SMP	8.6	50
BDD-SWSF-092917-H	9/29/17 5:53	Antimony	0.09	ug/l	J	UF	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092917-H-F	9/29/17 5:53	Antimony	0.52	ug/l		F	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092917-H	9/29/17 5:53	Arsenic	32	ug/l		UF	EPA200.8	SMP	0.19	2
BDD-SWSF-092917-H-F	9/29/17 5:53	Arsenic	2.5	ug/l		F	EPA200.8	SMP	0.19	2
BDD-SWSF-092917-H	9/29/17 5:53	Barium	2600	ug/l		UF	EPA200.8	SMP	0.39	1
BDD-SWSF-092917-H-F	9/29/17 5:53	Barium	81	ug/l		F	EPA200.8	SMP	0.39	1
BDD-SWSF-092917-H	9/29/17 5:53	Beryllium	13	ug/l		UF	EPA200.8	SMP	0.084	0.5
BDD-SWSF-092917-H-F	9/29/17 5:53	Beryllium	0.084	ug/l	U	F	EPA200.8	SMP	0.084	0.5
BDD-SWSF-092917-H	9/29/17 5:53	Boron	110	ug/l		UF	EPA200.8	SMP	4.8	50
BDD-SWSF-092917-H-F	9/29/17 5:53	Boron	34	ug/l	J	F	EPA200.8	SMP	4.8	50
BDD-SWSF-092917-H	9/29/17 5:53	Cadmium	1.6	ug/l		UF	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092917-H-F	9/29/17 5:53	Cadmium	0.056	ug/l	U	F	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092917-H	9/29/17 5:53	Calcium	490000	ug/l		UF	EPA200.8	SMP	88	1000
BDD-SWSF-092917-H-F	9/29/17 5:53	Calcium	32000	ug/l		F	EPA200.8	SMP	88	1000
BDD-SWSF-092917-H	9/29/17 5:53	Chromium	130	ug/l		UF	EPA200.8	SMP	0.92	10
BDD-SWSF-092917-H-F	9/29/17 5:53	Chromium	2.6	ug/l	J	F	EPA200.8	SMP	0.92	10
BDD-SWSF-092917-H	9/29/17 5:53	Cobalt	82	ug/l		UF	EPA200.8	SMP	0.18	1
BDD-SWSF-092917-H-F	9/29/17 5:53	Cobalt	0.63	ug/l	J	F	EPA200.8	SMP	0.18	1
BDD-SWSF-092917-H	9/29/17 5:53	Copper	130	ug/l		UF	EPA200.8	SMP	1.7	10
BDD-SWSF-092917-H-F	9/29/17 5:53	Copper	1.7	ug/l	U	F	EPA200.8	SMP	1.7	10
BDD-SWSF-092917-H	9/29/17 5:53	Iron	110000	ug/l		UF	EPA200.8	SMP	9.4	100
BDD-SWSF-092917-H-F	9/29/17 5:53	Iron	86	ug/l	J	F	EPA200.8	SMP	9.4	100
BDD-SWSF-092917-H	9/29/17 5:53	Lead	130	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-092917-H-F	9/29/17 5:53	Lead	0.13	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-092917-H	9/29/17 5:53	Magnesium	88000	ug/l		UF	EPA200.8	SMP	14	100
BDD-SWSF-092917-H-F	9/29/17 5:53	Magnesium	3500	ug/l		F	EPA200.8	SMP	14	100
BDD-SWSF-092917-H	9/29/17 5:53	Manganese	5600	ug/l		UF	EPA200.8	SMP	0.31	2
BDD-SWSF-092917-H-F	9/29/17 5:53	Manganese	4.5	ug/l		F	EPA200.8	SMP	0.31	2
BDD-SWSF-092917-H	9/29/17 5:53	Mercury	0.13	ug/l	J	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-092917-H-F	9/29/17 5:53	Mercury	0.06	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-092917-H	9/29/17 5:53	Nickel	160	ug/l		UF	EPA200.8	SMP	0.89	5
BDD-SWSF-092917-H-F	9/29/17 5:53	Nickel	2.1	ug/l	J	F	EPA200.8	SMP	0.89	5
BDD-SWSF-092917-H	9/29/17 5:53	Potassium	40000	ug/l		UF	EPA200.8	SMP	69	1000
BDD-SWSF-092917-H-F	9/29/17 5:53	Potassium	3100	ug/l		F	EPA200.8	SMP	69	1000
BDD-SWSF-092917-H	9/29/17 5:53	Selenium	14	ug/l		UF	EPA200.8	SMP	0.22	1
BDD-SWSF-092917-H-F	9/29/17 5:53	Selenium	0.35	ug/l	J	F	EPA200.8	SMP	0.22	1
BDD-SWSF-092917-H	9/29/17 5:53	Silver	0.29	ug/l		UF	EPA200.8	SMP	0.02	0.1
BDD-SWSF-092917-H-F	9/29/17 5:53	Silver	0.02	ug/l	U	F	EPA200.8	SMP	0.02	0.1
BDD-SWSF-092917-H	9/29/17 5:53	Sodium	18000	ug/l		UF	EPA200.8	SMP	78	1000
BDD-SWSF-092917-H-F	9/29/17 5:53	Sodium	15000	ug/l		F	EPA200.8	SMP	78	1000
BDD-SWSF-092917-H	9/29/17 5:53	Thallium	2	ug/l		UF	EPA200.8	SMP	0.015	0.2
BDD-SWSF-092917-H-F	9/29/17 5:53	Thallium	0.015	ug/l	U	F	EPA200.8	SMP	0.015	0.2
BDD-SWSF-092917-H	9/29/17 5:53	Uranium	48	ug/l		UF	EPA200.8	SMP	0.022	0.1
BDD-SWSF-092917-H-F	9/29/17 5:53	Uranium	6.2	ug/l		F	EPA200.8	SMP	0.022	0.1
BDD-SWSF-092917-H	9/29/17 5:53	Vanadium	200	ug/l		UF	EPA200.8	SMP	0.12	1
BDD-SWSF-092917-H-F	9/29/17 5:53	Vanadium	5.5	ug/l		F	EPA200.8	SMP	0.12	1

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-092917-H	9/29/17 5:53	Zinc	440	ug/l		UF	EPA200.8	SMP	1.5	20
BDD-SWSF-092917-H-F	9/29/17 5:53	Zinc	1.5	ug/l	U	F	EPA200.8	SMP	1.5	20
BDD-SWSF-092917-I	9/29/17 6:38	Aluminum	140000	ug/l		UF	EPA200.8	SMP	8.6	50
BDD-SWSF-092917-I-F	9/29/17 6:38	Aluminum	62	ug/l		F	EPA200.8	SMP	8.6	50
BDD-SWSF-092917-I	9/29/17 6:38	Antimony	0.09	ug/l	J	UF	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092917-I-F	9/29/17 6:38	Antimony	0.49	ug/l		F	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092917-I	9/29/17 6:38	Arsenic	31	ug/l		UF	EPA200.8	SMP	0.19	2
BDD-SWSF-092917-I-F	9/29/17 6:38	Arsenic	2.7	ug/l		F	EPA200.8	SMP	0.19	2
BDD-SWSF-092917-I	9/29/17 6:38	Barium	2500	ug/l		UF	EPA200.8	SMP	0.39	1
BDD-SWSF-092917-I-F	9/29/17 6:38	Barium	190	ug/l		F	EPA200.8	SMP	0.39	1
BDD-SWSF-092917-I	9/29/17 6:38	Beryllium	12	ug/l		UF	EPA200.8	SMP	0.084	0.5
BDD-SWSF-092917-I-F	9/29/17 6:38	Beryllium	0.084	ug/l	U	F	EPA200.8	SMP	0.084	0.5
BDD-SWSF-092917-I	9/29/17 6:38	Boron	95	ug/l		UF	EPA200.8	SMP	4.8	50
BDD-SWSF-092917-I-F	9/29/17 6:38	Boron	35	ug/l	J	F	EPA200.8	SMP	4.8	50
BDD-SWSF-092917-I	9/29/17 6:38	Cadmium	1.6	ug/l		UF	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092917-I-F	9/29/17 6:38	Cadmium	0.056	ug/l	U	F	EPA200.8	SMP	0.056	0.3
BDD-SWSF-092917-I	9/29/17 6:38	Calcium	490000	ug/l		UF	EPA200.8	SMP	88	1000
BDD-SWSF-092917-I-F	9/29/17 6:38	Calcium	89000	ug/l		F	EPA200.8	SMP	88	1000
BDD-SWSF-092917-I	9/29/17 6:38	Chromium	130	ug/l		UF	EPA200.8	SMP	0.92	10
BDD-SWSF-092917-I-F	9/29/17 6:38	Chromium	3	ug/l	J	F	EPA200.8	SMP	0.92	10
BDD-SWSF-092917-I	9/29/17 6:38	Cobalt	80	ug/l		UF	EPA200.8	SMP	0.18	1
BDD-SWSF-092917-I-F	9/29/17 6:38	Cobalt	0.82	ug/l	J	F	EPA200.8	SMP	0.18	1
BDD-SWSF-092917-I	9/29/17 6:38	Copper	130	ug/l		UF	EPA200.8	SMP	1.7	10
BDD-SWSF-092917-I-F	9/29/17 6:38	Copper	1.7	ug/l	U	F	EPA200.8	SMP	1.7	10
BDD-SWSF-092917-I	9/29/17 6:38	Iron	100000	ug/l		UF	EPA200.8	SMP	9.4	100
BDD-SWSF-092917-I-F	9/29/17 6:38	Iron	43	ug/l	J	F	EPA200.8	SMP	9.4	100
BDD-SWSF-092917-I	9/29/17 6:38	Lead	130	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-092917-I-F	9/29/17 6:38	Lead	0.13	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-092917-I	9/29/17 6:38	Magnesium	88000	ug/l		UF	EPA200.8	SMP	14	100
BDD-SWSF-092917-I-F	9/29/17 6:38	Magnesium	6100	ug/l		F	EPA200.8	SMP	14	100
BDD-SWSF-092917-I	9/29/17 6:38	Manganese	5300	ug/l		UF	EPA200.8	SMP	0.31	2
BDD-SWSF-092917-I-F	9/29/17 6:38	Manganese	23	ug/l		F	EPA200.8	SMP	0.31	2
BDD-SWSF-092917-I	9/29/17 6:38	Mercury	0.13	ug/l	J	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-092917-I-F	9/29/17 6:38	Mercury	0.06	ug/l	U	F	EPA245.1	DUP	0.06	0.2
BDD-SWSF-092917-I-F	9/29/17 6:38	Mercury	0.06	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-092917-I	9/29/17 6:38	Nickel	160	ug/l		UF	EPA200.8	SMP	0.89	5
BDD-SWSF-092917-I-F	9/29/17 6:38	Nickel	2.7	ug/l	J	F	EPA200.8	SMP	0.89	5
BDD-SWSF-092917-I	9/29/17 6:38	Potassium	40000	ug/l		UF	EPA200.8	SMP	69	1000
BDD-SWSF-092917-I-F	9/29/17 6:38	Potassium	3900	ug/l		F	EPA200.8	SMP	69	1000
BDD-SWSF-092917-I	9/29/17 6:38	Selenium	14	ug/l		UF	EPA200.8	SMP	0.22	1
BDD-SWSF-092917-I-F	9/29/17 6:38	Selenium	0.74	ug/l	J	F	EPA200.8	SMP	0.22	1
BDD-SWSF-092917-I	9/29/17 6:38	Silver	0.23	ug/l		UF	EPA200.8	SMP	0.02	0.1
BDD-SWSF-092917-I-F	9/29/17 6:38	Silver	0.02	ug/l	U	F	EPA200.8	SMP	0.02	0.1
BDD-SWSF-092917-I	9/29/17 6:38	Sodium	18000	ug/l		UF	EPA200.8	SMP	78	1000
BDD-SWSF-092917-I-F	9/29/17 6:38	Sodium	16000	ug/l		F	EPA200.8	SMP	78	1000
BDD-SWSF-092917-I	9/29/17 6:38	Thallium	1.8	ug/l		UF	EPA200.8	SMP	0.015	0.2
BDD-SWSF-092917-I-F	9/29/17 6:38	Thallium	0.015	ug/l	U	F	EPA200.8	SMP	0.015	0.2
BDD-SWSF-092917-I	9/29/17 6:38	Uranium	55	ug/l		UF	EPA200.8	SMP	0.022	0.1
BDD-SWSF-092917-I-F	9/29/17 6:38	Uranium	6.6	ug/l		F	EPA200.8	SMP	0.022	0.1
BDD-SWSF-092917-I	9/29/17 6:38	Vanadium	170	ug/l		UF	EPA200.8	SMP	0.12	1
BDD-SWSF-092917-I-F	9/29/17 6:38	Vanadium	6	ug/l		F	EPA200.8	SMP	0.12	1
BDD-SWSF-092917-I	9/29/17 6:38	Zinc	440	ug/l		UF	EPA200.8	SMP	1.5	20
BDD-SWSF-092917-I-F	9/29/17 6:38	Zinc	1.5	ug/l	U	F	EPA200.8	SMP	1.5	20
BDD-SWSF-100417-A	10/4/17 22:58	Aluminum	65000	ug/l		UF	EPA200.8	SMP	8.6	50
BDD-SWSF-100417-A-F	10/4/17 22:58	Aluminum	3800	ug/l		F	EPA200.8	SMP	8.6	50
BDD-SWSF-100417-A	10/4/17 22:58	Antimony	0.15	ug/l	J	UF	EPA200.8	SMP	0.056	0.3

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-100417-A-F	10/4/17 22:58	Antimony	0.18	ug/l	J	F	EPA200.8	SMP	0.056	0.3
BDD-SWSF-100417-A	10/4/17 22:58	Arsenic	16	ug/l		UF	EPA200.8	SMP	0.19	2
BDD-SWSF-100417-A-F	10/4/17 22:58	Arsenic	3.2	ug/l		F	EPA200.8	SMP	0.19	2
BDD-SWSF-100417-A	10/4/17 22:58	Barium	1300	ug/l		UF	EPA200.8	SMP	0.39	1
BDD-SWSF-100417-A-F	10/4/17 22:58	Barium	140	ug/l		F	EPA200.8	SMP	0.39	1
BDD-SWSF-100417-A	10/4/17 22:58	Beryllium	6.1	ug/l		UF	EPA200.8	SMP	0.084	0.5
BDD-SWSF-100417-A-F	10/4/17 22:58	Beryllium	0.36	ug/l	J	F	EPA200.8	SMP	0.084	0.5
BDD-SWSF-100417-A	10/4/17 22:58	Boron	62	ug/l		UF	EPA200.8	SMP	4.8	50
BDD-SWSF-100417-A-F	10/4/17 22:58	Boron	34	ug/l	J	F	EPA200.8	SMP	4.8	50
BDD-SWSF-100417-A	10/4/17 22:58	Cadmium	0.84	ug/l		UF	EPA200.8	SMP	0.056	0.3
BDD-SWSF-100417-A-F	10/4/17 22:58	Cadmium	0.056	ug/l	U	F	EPA200.8	SMP	0.056	0.3
BDD-SWSF-100417-A	10/4/17 22:58	Calcium	250000	ug/l		UF	EPA200.8	SMP	88	1000
BDD-SWSF-100417-A-F	10/4/17 22:58	Calcium	40000	ug/l		F	EPA200.8	SMP	88	1000
BDD-SWSF-100417-A	10/4/17 22:58	Chromium	59	ug/l		UF	EPA200.8	SMP	0.92	10
BDD-SWSF-100417-A-F	10/4/17 22:58	Chromium	4	ug/l	J	F	EPA200.8	SMP	0.92	10
BDD-SWSF-100417-A	10/4/17 22:58	Cobalt	41	ug/l		UF	EPA200.8	SMP	0.18	1
BDD-SWSF-100417-A-F	10/4/17 22:58	Cobalt	2	ug/l		F	EPA200.8	SMP	0.18	1
BDD-SWSF-100417-A	10/4/17 22:58	Copper	68	ug/l		UF	EPA200.8	SMP	1.7	10
BDD-SWSF-100417-A-F	10/4/17 22:58	Copper	5.2	ug/l	J	F	EPA200.8	SMP	1.7	10
BDD-SWSF-100417-A	10/4/17 22:58	Iron	52000	ug/l		UF	EPA200.8	SMP	9.4	100
BDD-SWSF-100417-A-F	10/4/17 22:58	Iron	3000	ug/l		F	EPA200.8	SMP	9.4	100
BDD-SWSF-100417-A	10/4/17 22:58	Lead	62	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-100417-A-F	10/4/17 22:58	Lead	2.4	ug/l		F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-100417-A	10/4/17 22:58	Magnesium	41000	ug/l		UF	EPA200.8	SMP	14	100
BDD-SWSF-100417-A-F	10/4/17 22:58	Magnesium	5600	ug/l		F	EPA200.8	SMP	14	100
BDD-SWSF-100417-A	10/4/17 22:58	Manganese	2500	ug/l		UF	EPA200.8	SMP	0.31	2
BDD-SWSF-100417-A-F	10/4/17 22:58	Manganese	97	ug/l		F	EPA200.8	SMP	0.31	2
BDD-SWSF-100417-A	10/4/17 22:58	Mercury	0.06	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-100417-A-F	10/4/17 22:58	Mercury	0.06	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-100417-A	10/4/17 22:58	Nickel	77	ug/l		UF	EPA200.8	SMP	0.89	5
BDD-SWSF-100417-A-F	10/4/17 22:58	Nickel	9.6	ug/l		F	EPA200.8	SMP	0.89	5
BDD-SWSF-100417-A	10/4/17 22:58	Potassium	22000	ug/l		UF	EPA200.8	SMP	69	1000
BDD-SWSF-100417-A-F	10/4/17 22:58	Potassium	4200	ug/l		F	EPA200.8	SMP	69	1000
BDD-SWSF-100417-A	10/4/17 22:58	Selenium	6.7	ug/l		UF	EPA200.8	SMP	0.22	1
BDD-SWSF-100417-A-F	10/4/17 22:58	Selenium	0.49	ug/l	J	F	EPA200.8	SMP	0.22	1
BDD-SWSF-100417-A	10/4/17 22:58	Silver	0.15	ug/l		UF	EPA200.8	SMP	0.02	0.1
BDD-SWSF-100417-A-F	10/4/17 22:58	Silver	0.02	ug/l	U	F	EPA200.8	SMP	0.02	0.1
BDD-SWSF-100417-A	10/4/17 22:58	Sodium	15000	ug/l		UF	EPA200.8	SMP	78	1000
BDD-SWSF-100417-A-F	10/4/17 22:58	Sodium	15000	ug/l		F	EPA200.8	SMP	78	1000
BDD-SWSF-100417-A	10/4/17 22:58	Thallium	0.88	ug/l		UF	EPA200.8	SMP	0.015	0.2
BDD-SWSF-100417-A-F	10/4/17 22:58	Thallium	0.06	ug/l	J	F	EPA200.8	SMP	0.015	0.2
BDD-SWSF-100417-A	10/4/17 22:58	Uranium	20	ug/l		UF	EPA200.8	SMP	0.022	0.1
BDD-SWSF-100417-A-F	10/4/17 22:58	Uranium	3.9	ug/l		F	EPA200.8	SMP	0.022	0.1
BDD-SWSF-100417-A	10/4/17 22:58	Vanadium	100	ug/l		UF	EPA200.8	SMP	0.12	1
BDD-SWSF-100417-A-F	10/4/17 22:58	Vanadium	11	ug/l		F	EPA200.8	SMP	0.12	1
BDD-SWSF-100417-A	10/4/17 22:58	Zinc	210	ug/l		UF	EPA200.8	SMP	1.5	20
BDD-SWSF-100417-A-F	10/4/17 22:58	Zinc	20	ug/l		F	EPA200.8	SMP	1.5	20
BDD-SWSF-100417-B	10/4/17 23:27	Aluminum	92000	ug/l		UF	EPA200.8	SMP	8.6	50
BDD-SWSF-100417-B-F	10/4/17 23:27	Aluminum	91.5	ug/l		F	EPA200.8	DUP	8.6	50
BDD-SWSF-100417-B-F	10/4/17 23:27	Aluminum	92	ug/l		F	EPA200.8	SMP	8.6	50
BDD-SWSF-100417-B	10/4/17 23:27	Antimony	0.13	ug/l	J	UF	EPA200.8	SMP	0.056	0.3
BDD-SWSF-100417-B-F	10/4/17 23:27	Antimony	0.3	ug/l	J	F	EPA200.8	DUP	0.0564	0.3
BDD-SWSF-100417-B-F	10/4/17 23:27	Antimony	0.27	ug/l	J	F	EPA200.8	SMP	0.056	0.3
BDD-SWSF-100417-B	10/4/17 23:27	Arsenic	25	ug/l		UF	EPA200.8	SMP	0.19	2
BDD-SWSF-100417-B-F	10/4/17 23:27	Arsenic	2.14	ug/l		F	EPA200.8	DUP	0.191	2
BDD-SWSF-100417-B-F	10/4/17 23:27	Arsenic	2.4	ug/l		F	EPA200.8	SMP	0.19	2

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-100417-B	10/4/17 23:27	Barium	1900	ug/l		UF	EPA200.8	SMP	0.39	1
BDD-SWSF-100417-B-F	10/4/17 23:27	Barium	79.8	ug/l		F	EPA200.8	DUP	0.389	1
BDD-SWSF-100417-B-F	10/4/17 23:27	Barium	80	ug/l		F	EPA200.8	SMP	0.39	1
BDD-SWSF-100417-B	10/4/17 23:27	Beryllium	9.2	ug/l		UF	EPA200.8	SMP	0.084	0.5
BDD-SWSF-100417-B-F	10/4/17 23:27	Beryllium	0.0837	ug/l	U	F	EPA200.8	DUP	0.0837	0.5
BDD-SWSF-100417-B-F	10/4/17 23:27	Beryllium	0.084	ug/l	U	F	EPA200.8	SMP	0.084	0.5
BDD-SWSF-100417-B	10/4/17 23:27	Boron	76	ug/l		UF	EPA200.8	SMP	4.8	50
BDD-SWSF-100417-B-F	10/4/17 23:27	Boron	26.7	ug/l	J	F	EPA200.8	DUP	4.85	50
BDD-SWSF-100417-B-F	10/4/17 23:27	Boron	29	ug/l	J	F	EPA200.8	SMP	4.8	50
BDD-SWSF-100417-B	10/4/17 23:27	Cadmium	1.2	ug/l		UF	EPA200.8	SMP	0.056	0.3
BDD-SWSF-100417-B-F	10/4/17 23:27	Cadmium	0.0561	ug/l	U	F	EPA200.8	DUP	0.0561	0.3
BDD-SWSF-100417-B-F	10/4/17 23:27	Cadmium	0.056	ug/l	U	F	EPA200.8	SMP	0.056	0.3
BDD-SWSF-100417-B	10/4/17 23:27	Calcium	360000	ug/l		UF	EPA200.8	SMP	88	1000
BDD-SWSF-100417-B-F	10/4/17 23:27	Calcium	32000	ug/l		F	EPA200.8	DUP	88.4	1000
BDD-SWSF-100417-B-F	10/4/17 23:27	Calcium	33000	ug/l		F	EPA200.8	SMP	88	1000
BDD-SWSF-100417-B	10/4/17 23:27	Chromium	89	ug/l		UF	EPA200.8	SMP	0.92	10
BDD-SWSF-100417-B-F	10/4/17 23:27	Chromium	1.42	ug/l	J	F	EPA200.8	DUP	0.916	10
BDD-SWSF-100417-B-F	10/4/17 23:27	Chromium	0.92	ug/l	U	F	EPA200.8	SMP	0.92	10
BDD-SWSF-100417-B	10/4/17 23:27	Cobalt	59	ug/l		UF	EPA200.8	SMP	0.18	1
BDD-SWSF-100417-B-F	10/4/17 23:27	Cobalt	0.26	ug/l	J	F	EPA200.8	DUP	0.178	1
BDD-SWSF-100417-B-F	10/4/17 23:27	Cobalt	0.34	ug/l	J	F	EPA200.8	SMP	0.18	1
BDD-SWSF-100417-B	10/4/17 23:27	Copper	100	ug/l		UF	EPA200.8	SMP	1.7	10
BDD-SWSF-100417-B-F	10/4/17 23:27	Copper	2.17	ug/l	J	F	EPA200.8	DUP	1.71	10
BDD-SWSF-100417-B-F	10/4/17 23:27	Copper	1.8	ug/l	J	F	EPA200.8	SMP	1.7	10
BDD-SWSF-100417-B	10/4/17 23:27	Iron	78000	ug/l		UF	EPA200.8	SMP	9.4	100
BDD-SWSF-100417-B-F	10/4/17 23:27	Iron	76.5	ug/l	J	F	EPA200.8	DUP	9.37	100
BDD-SWSF-100417-B-F	10/4/17 23:27	Iron	67	ug/l	J	F	EPA200.8	SMP	9.4	100
BDD-SWSF-100417-B	10/4/17 23:27	Lead	89	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-100417-B-F	10/4/17 23:27	Lead	0.128	ug/l	U	F	EPA200.8	DUP	0.128	0.5
BDD-SWSF-100417-B-F	10/4/17 23:27	Lead	0.13	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-100417-B	10/4/17 23:27	Magnesium	62000	ug/l		UF	EPA200.8	SMP	14	100
BDD-SWSF-100417-B-F	10/4/17 23:27	Magnesium	3480	ug/l		F	EPA200.8	DUP	13.6	100
BDD-SWSF-100417-B-F	10/4/17 23:27	Magnesium	3600	ug/l		F	EPA200.8	SMP	14	100
BDD-SWSF-100417-B	10/4/17 23:27	Manganese	3700	ug/l		UF	EPA200.8	SMP	0.31	2
BDD-SWSF-100417-B-F	10/4/17 23:27	Manganese	2.91	ug/l		F	EPA200.8	DUP	0.311	2
BDD-SWSF-100417-B-F	10/4/17 23:27	Manganese	2.1	ug/l		F	EPA200.8	SMP	0.31	2
BDD-SWSF-100417-B	10/4/17 23:27	Mercury	0.081	ug/l	J	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-100417-B-F	10/4/17 23:27	Mercury	0.06	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-100417-B	10/4/17 23:27	Nickel	130	ug/l		UF	EPA200.8	SMP	0.89	5
BDD-SWSF-100417-B-F	10/4/17 23:27	Nickel	1.06	ug/l	J	F	EPA200.8	DUP	0.886	5
BDD-SWSF-100417-B-F	10/4/17 23:27	Nickel	0.89	ug/l	U	F	EPA200.8	SMP	0.89	5
BDD-SWSF-100417-B	10/4/17 23:27	Potassium	32000	ug/l		UF	EPA200.8	SMP	69	1000
BDD-SWSF-100417-B-F	10/4/17 23:27	Potassium	3250	ug/l		F	EPA200.8	DUP	69.2	1000
BDD-SWSF-100417-B-F	10/4/17 23:27	Potassium	3300	ug/l		F	EPA200.8	SMP	69	1000
BDD-SWSF-100417-B	10/4/17 23:27	Selenium	11	ug/l		UF	EPA200.8	SMP	0.22	1
BDD-SWSF-100417-B-F	10/4/17 23:27	Selenium	0.43	ug/l	J	F	EPA200.8	DUP	0.222	1
BDD-SWSF-100417-B-F	10/4/17 23:27	Selenium	0.27	ug/l	J	F	EPA200.8	SMP	0.22	1
BDD-SWSF-100417-B	10/4/17 23:27	Silver	0.34	ug/l		UF	EPA200.8	SMP	0.02	0.1
BDD-SWSF-100417-B-F	10/4/17 23:27	Silver	0.0204	ug/l	U	F	EPA200.8	DUP	0.0204	0.1
BDD-SWSF-100417-B-F	10/4/17 23:27	Silver	0.02	ug/l	U	F	EPA200.8	SMP	0.02	0.1
BDD-SWSF-100417-B	10/4/17 23:27	Sodium	17000	ug/l		UF	EPA200.8	SMP	78	1000
BDD-SWSF-100417-B-F	10/4/17 23:27	Sodium	14600	ug/l		F	EPA200.8	DUP	78.5	1000
BDD-SWSF-100417-B-F	10/4/17 23:27	Sodium	15000	ug/l		F	EPA200.8	SMP	78	1000
BDD-SWSF-100417-B	10/4/17 23:27	Thallium	1.3	ug/l		UF	EPA200.8	SMP	0.015	0.2
BDD-SWSF-100417-B-F	10/4/17 23:27	Thallium	0.0146	ug/l	U	F	EPA200.8	DUP	0.0146	0.2
BDD-SWSF-100417-B-F	10/4/17 23:27	Thallium	0.015	ug/l	U	F	EPA200.8	SMP	0.015	0.2

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-100417-B	10/4/17 23:27	Uranium	35	ug/l		UF	EPA200.8	SMP	0.022	0.1
BDD-SWSF-100417-B-F	10/4/17 23:27	Uranium	4.89	ug/l		F	EPA200.8	DUP	0.022	0.1
BDD-SWSF-100417-B-F	10/4/17 23:27	Uranium	4.9	ug/l		F	EPA200.8	SMP	0.022	0.1
BDD-SWSF-100417-B	10/4/17 23:27	Vanadium	140	ug/l		UF	EPA200.8	SMP	0.12	1
BDD-SWSF-100417-B-F	10/4/17 23:27	Vanadium	5.82	ug/l		F	EPA200.8	DUP	0.123	1
BDD-SWSF-100417-B-F	10/4/17 23:27	Vanadium	5.7	ug/l		F	EPA200.8	SMP	0.12	1
BDD-SWSF-100417-B	10/4/17 23:27	Zinc	310	ug/l		UF	EPA200.8	SMP	1.5	20
BDD-SWSF-100417-B-F	10/4/17 23:27	Zinc	1.73	ug/l	J	F	EPA200.8	DUP	1.47	20
BDD-SWSF-100417-B-F	10/4/17 23:27	Zinc	2.6	ug/l	J	F	EPA200.8	SMP	1.5	20
BDD-SWSF-100417-C	10/4/17 23:58	Aluminum	82000	ug/l		UF	EPA200.8	SMP	8.6	50
BDD-SWSF-100417-C-F	10/4/17 23:58	Aluminum	95.3	ug/l		F	EPA200.8	DUP	8.6	50
BDD-SWSF-100417-C-F	10/4/17 23:58	Aluminum	94	ug/l		F	EPA200.8	SMP	8.6	50
BDD-SWSF-100417-C	10/4/17 23:58	Antimony	0.14	ug/l	J	UF	EPA200.8	SMP	0.056	0.3
BDD-SWSF-100417-C-F	10/4/17 23:58	Antimony	0.33	ug/l		F	EPA200.8	DUP	0.0564	0.3
BDD-SWSF-100417-C-F	10/4/17 23:58	Antimony	0.26	ug/l	J	F	EPA200.8	SMP	0.056	0.3
BDD-SWSF-100417-C	10/4/17 23:58	Arsenic	24	ug/l		UF	EPA200.8	SMP	0.19	2
BDD-SWSF-100417-C-F	10/4/17 23:58	Arsenic	2.08	ug/l		F	EPA200.8	DUP	0.191	2
BDD-SWSF-100417-C-F	10/4/17 23:58	Arsenic	2.6	ug/l		F	EPA200.8	SMP	0.19	2
BDD-SWSF-100417-C	10/4/17 23:58	Barium	1700	ug/l		UF	EPA200.8	SMP	0.39	1
BDD-SWSF-100417-C-F	10/4/17 23:58	Barium	75.8	ug/l		F	EPA200.8	DUP	0.389	1
BDD-SWSF-100417-C-F	10/4/17 23:58	Barium	76	ug/l		F	EPA200.8	SMP	0.39	1
BDD-SWSF-100417-C	10/4/17 23:58	Beryllium	7.8	ug/l		UF	EPA200.8	SMP	0.084	0.5
BDD-SWSF-100417-C-F	10/4/17 23:58	Beryllium	0.0837	ug/l	U	F	EPA200.8	DUP	0.0837	0.5
BDD-SWSF-100417-C-F	10/4/17 23:58	Beryllium	0.084	ug/l	U	F	EPA200.8	SMP	0.084	0.5
BDD-SWSF-100417-C	10/4/17 23:58	Boron	75	ug/l		UF	EPA200.8	SMP	4.8	50
BDD-SWSF-100417-C-F	10/4/17 23:58	Boron	30.2	ug/l	J	F	EPA200.8	DUP	4.85	50
BDD-SWSF-100417-C-F	10/4/17 23:58	Boron	35	ug/l	J	F	EPA200.8	SMP	4.8	50
BDD-SWSF-100417-C	10/4/17 23:58	Cadmium	0.86	ug/l		UF	EPA200.8	SMP	0.056	0.3
BDD-SWSF-100417-C-F	10/4/17 23:58	Cadmium	0.0561	ug/l	U	F	EPA200.8	DUP	0.0561	0.3
BDD-SWSF-100417-C-F	10/4/17 23:58	Cadmium	0.056	ug/l	U	F	EPA200.8	SMP	0.056	0.3
BDD-SWSF-100417-C	10/4/17 23:58	Calcium	300000	ug/l		UF	EPA200.8	SMP	88	1000
BDD-SWSF-100417-C-F	10/4/17 23:58	Calcium	32600	ug/l		F	EPA200.8	DUP	88.4	1000
BDD-SWSF-100417-C-F	10/4/17 23:58	Calcium	33000	ug/l		F	EPA200.8	SMP	88	1000
BDD-SWSF-100417-C	10/4/17 23:58	Chromium	76	ug/l		UF	EPA200.8	SMP	0.92	10
BDD-SWSF-100417-C-F	10/4/17 23:58	Chromium	2.17	ug/l	J	F	EPA200.8	DUP	0.916	10
BDD-SWSF-100417-C-F	10/4/17 23:58	Chromium	1.5	ug/l	J	F	EPA200.8	SMP	0.92	10
BDD-SWSF-100417-C	10/4/17 23:58	Cobalt	50	ug/l		UF	EPA200.8	SMP	0.18	1
BDD-SWSF-100417-C-F	10/4/17 23:58	Cobalt	0.38	ug/l	J	F	EPA200.8	DUP	0.178	1
BDD-SWSF-100417-C-F	10/4/17 23:58	Cobalt	0.34	ug/l	J	F	EPA200.8	SMP	0.18	1
BDD-SWSF-100417-C	10/4/17 23:58	Copper	86	ug/l		UF	EPA200.8	SMP	1.7	10
BDD-SWSF-100417-C-F	10/4/17 23:58	Copper	2.26	ug/l	J	F	EPA200.8	DUP	1.71	10
BDD-SWSF-100417-C-F	10/4/17 23:58	Copper	2.4	ug/l	J	F	EPA200.8	SMP	1.7	10
BDD-SWSF-100417-C	10/4/17 23:58	Iron	69000	ug/l		UF	EPA200.8	SMP	9.4	100
BDD-SWSF-100417-C-F	10/4/17 23:58	Iron	64.9	ug/l	J	F	EPA200.8	DUP	9.37	100
BDD-SWSF-100417-C-F	10/4/17 23:58	Iron	64	ug/l	J	F	EPA200.8	SMP	9.4	100
BDD-SWSF-100417-C	10/4/17 23:58	Lead	75	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-100417-C-F	10/4/17 23:58	Lead	0.128	ug/l	U	F	EPA200.8	DUP	0.128	0.5
BDD-SWSF-100417-C-F	10/4/17 23:58	Lead	0.13	ug/l	J	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-100417-C	10/4/17 23:58	Magnesium	54000	ug/l		UF	EPA200.8	SMP	14	100
BDD-SWSF-100417-C-F	10/4/17 23:58	Magnesium	3690	ug/l		F	EPA200.8	DUP	13.6	100
BDD-SWSF-100417-C-F	10/4/17 23:58	Magnesium	3600	ug/l		F	EPA200.8	SMP	14	100
BDD-SWSF-100417-C	10/4/17 23:58	Manganese	3100	ug/l		UF	EPA200.8	SMP	0.31	2
BDD-SWSF-100417-C-F	10/4/17 23:58	Manganese	3.28	ug/l		F	EPA200.8	DUP	0.311	2
BDD-SWSF-100417-C-F	10/4/17 23:58	Manganese	2.9	ug/l		F	EPA200.8	SMP	0.31	2
BDD-SWSF-100417-C	10/4/17 23:58	Mercury	0.083	ug/l	J	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-100417-C-F	10/4/17 23:58	Mercury	0.06	ug/l	U	F	EPA245.1	SMP	0.06	0.2

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-100417-C	10/4/17 23:58	Nickel	100	ug/l		UF	EPA200.8	SMP	0.89	5
BDD-SWSF-100417-C-F	10/4/17 23:58	Nickel	4.4	ug/l	J	F	EPA200.8	DUP	0.886	5
BDD-SWSF-100417-C-F	10/4/17 23:58	Nickel	0.94	ug/l	J	F	EPA200.8	SMP	0.89	5
BDD-SWSF-100417-C	10/4/17 23:58	Potassium	29000	ug/l		UF	EPA200.8	SMP	69	1000
BDD-SWSF-100417-C-F	10/4/17 23:58	Potassium	2970	ug/l		F	EPA200.8	DUP	69.2	1000
BDD-SWSF-100417-C-F	10/4/17 23:58	Potassium	2900	ug/l		F	EPA200.8	SMP	69	1000
BDD-SWSF-100417-C	10/4/17 23:58	Selenium	9	ug/l		UF	EPA200.8	SMP	0.22	1
BDD-SWSF-100417-C-F	10/4/17 23:58	Selenium	0.39	ug/l	J	F	EPA200.8	DUP	0.222	1
BDD-SWSF-100417-C-F	10/4/17 23:58	Selenium	0.33	ug/l	J	F	EPA200.8	SMP	0.22	1
BDD-SWSF-100417-C	10/4/17 23:58	Silver	0.17	ug/l		UF	EPA200.8	SMP	0.02	0.1
BDD-SWSF-100417-C-F	10/4/17 23:58	Silver	0.0204	ug/l	U	F	EPA200.8	DUP	0.0204	0.1
BDD-SWSF-100417-C-F	10/4/17 23:58	Silver	0.02	ug/l	U	F	EPA200.8	SMP	0.02	0.1
BDD-SWSF-100417-C	10/4/17 23:58	Sodium	18000	ug/l		UF	EPA200.8	SMP	78	1000
BDD-SWSF-100417-C-F	10/4/17 23:58	Sodium	15400	ug/l		F	EPA200.8	DUP	78.5	1000
BDD-SWSF-100417-C-F	10/4/17 23:58	Sodium	15000	ug/l		F	EPA200.8	SMP	78	1000
BDD-SWSF-100417-C	10/4/17 23:58	Thallium	1.2	ug/l		UF	EPA200.8	SMP	0.015	0.2
BDD-SWSF-100417-C-F	10/4/17 23:58	Thallium	0.0146	ug/l	U	F	EPA200.8	DUP	0.0146	0.2
BDD-SWSF-100417-C-F	10/4/17 23:58	Thallium	0.015	ug/l	U	F	EPA200.8	SMP	0.015	0.2
BDD-SWSF-100417-C	10/4/17 23:58	Uranium	28	ug/l		UF	EPA200.8	SMP	0.022	0.1
BDD-SWSF-100417-C-F	10/4/17 23:58	Uranium	4.11	ug/l		F	EPA200.8	DUP	0.022	0.1
BDD-SWSF-100417-C-F	10/4/17 23:58	Uranium	4.2	ug/l		F	EPA200.8	SMP	0.022	0.1
BDD-SWSF-100417-C	10/4/17 23:58	Vanadium	130	ug/l		UF	EPA200.8	SMP	0.12	1
BDD-SWSF-100417-C-F	10/4/17 23:58	Vanadium	5.11	ug/l		F	EPA200.8	DUP	0.123	1
BDD-SWSF-100417-C-F	10/4/17 23:58	Vanadium	4.8	ug/l		F	EPA200.8	SMP	0.12	1
BDD-SWSF-100417-C	10/4/17 23:58	Zinc	270	ug/l		UF	EPA200.8	SMP	1.5	20
BDD-SWSF-100417-C-F	10/4/17 23:58	Zinc	1.64	ug/l	J	F	EPA200.8	DUP	1.47	20
BDD-SWSF-100417-C-F	10/4/17 23:58	Zinc	28	ug/l		F	EPA200.8	SMP	1.5	20
BDD-SWSF-100417-D	10/5/17 0:40	Aluminum	80000	ug/l		UF	EPA200.8	SMP	8.6	50
BDD-SWSF-100417-D-F	10/5/17 0:40	Aluminum	91	ug/l		F	EPA200.8	SMP	8.6	50
BDD-SWSF-100417-D	10/5/17 0:40	Antimony	0.2	ug/l	J	UF	EPA200.8	SMP	0.056	0.3
BDD-SWSF-100417-D-F	10/5/17 0:40	Antimony	0.21	ug/l	J	F	EPA200.8	SMP	0.056	0.3
BDD-SWSF-100417-D	10/5/17 0:40	Arsenic	20	ug/l		UF	EPA200.8	SMP	0.19	2
BDD-SWSF-100417-D-F	10/5/17 0:40	Arsenic	2.1	ug/l		F	EPA200.8	SMP	0.19	2
BDD-SWSF-100417-D	10/5/17 0:40	Barium	1800	ug/l		UF	EPA200.8	SMP	0.39	1
BDD-SWSF-100417-D-F	10/5/17 0:40	Barium	77	ug/l		F	EPA200.8	SMP	0.39	1
BDD-SWSF-100417-D	10/5/17 0:40	Beryllium	8	ug/l		UF	EPA200.8	SMP	0.084	0.5
BDD-SWSF-100417-D-F	10/5/17 0:40	Beryllium	0.084	ug/l	U	F	EPA200.8	SMP	0.084	0.5
BDD-SWSF-100417-D	10/5/17 0:40	Boron	66	ug/l		UF	EPA200.8	SMP	4.8	50
BDD-SWSF-100417-D-F	10/5/17 0:40	Boron	31	ug/l	J	F	EPA200.8	SMP	4.8	50
BDD-SWSF-100417-D	10/5/17 0:40	Cadmium	0.97	ug/l		UF	EPA200.8	SMP	0.056	0.3
BDD-SWSF-100417-D-F	10/5/17 0:40	Cadmium	0.056	ug/l	U	F	EPA200.8	SMP	0.056	0.3
BDD-SWSF-100417-D	10/5/17 0:40	Calcium	250000	ug/l		UF	EPA200.8	SMP	88	1000
BDD-SWSF-100417-D-F	10/5/17 0:40	Calcium	31000	ug/l		F	EPA200.8	SMP	88	1000
BDD-SWSF-100417-D	10/5/17 0:40	Chromium	66	ug/l		UF	EPA200.8	SMP	0.92	10
BDD-SWSF-100417-D-F	10/5/17 0:40	Chromium	2.7	ug/l	J	F	EPA200.8	SMP	0.92	10
BDD-SWSF-100417-D	10/5/17 0:40	Cobalt	51	ug/l		UF	EPA200.8	SMP	0.18	1
BDD-SWSF-100417-D-F	10/5/17 0:40	Cobalt	0.64	ug/l	J	F	EPA200.8	SMP	0.18	1
BDD-SWSF-100417-D	10/5/17 0:40	Copper	82	ug/l		UF	EPA200.8	SMP	1.7	10
BDD-SWSF-100417-D-F	10/5/17 0:40	Copper	2.1	ug/l	J	F	EPA200.8	SMP	1.7	10
BDD-SWSF-100417-D	10/5/17 0:40	Iron	64000	ug/l		UF	EPA200.8	SMP	9.4	100
BDD-SWSF-100417-D-F	10/5/17 0:40	Iron	89	ug/l	J	F	EPA200.8	SMP	9.4	100
BDD-SWSF-100417-D	10/5/17 0:40	Lead	81	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-100417-D-F	10/5/17 0:40	Lead	0.13	ug/l	J	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-100417-D	10/5/17 0:40	Magnesium	49000	ug/l		UF	EPA200.8	SMP	14	100
BDD-SWSF-100417-D-F	10/5/17 0:40	Magnesium	3500	ug/l		F	EPA200.8	SMP	14	100
BDD-SWSF-100417-D	10/5/17 0:40	Manganese	3300	ug/l		UF	EPA200.8	SMP	0.31	2

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-100417-D-F	10/5/17 0:40	Manganese	5	ug/l		F	EPA200.8	SMP	0.31	2
BDD-SWSF-100417-D	10/5/17 0:40	Mercury	0.11	ug/l	J	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-100417-D-F	10/5/17 0:40	Mercury	0.06	ug/l	U	F	EPA245.1	DUP	0.06	0.2
BDD-SWSF-100417-D-F	10/5/17 0:40	Mercury	0.06	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-100417-D	10/5/17 0:40	Nickel	93	ug/l		UF	EPA200.8	SMP	0.89	5
BDD-SWSF-100417-D-F	10/5/17 0:40	Nickel	3	ug/l	J	F	EPA200.8	SMP	0.89	5
BDD-SWSF-100417-D	10/5/17 0:40	Potassium	25000	ug/l		UF	EPA200.8	SMP	69	1000
BDD-SWSF-100417-D-F	10/5/17 0:40	Potassium	2900	ug/l		F	EPA200.8	SMP	69	1000
BDD-SWSF-100417-D	10/5/17 0:40	Selenium	10	ug/l		UF	EPA200.8	SMP	0.22	1
BDD-SWSF-100417-D-F	10/5/17 0:40	Selenium	0.34	ug/l	J	F	EPA200.8	SMP	0.22	1
BDD-SWSF-100417-D	10/5/17 0:40	Silver	0.19	ug/l		UF	EPA200.8	SMP	0.02	0.1
BDD-SWSF-100417-D-F	10/5/17 0:40	Silver	0.02	ug/l	U	F	EPA200.8	SMP	0.02	0.1
BDD-SWSF-100417-D	10/5/17 0:40	Sodium	17000	ug/l		UF	EPA200.8	SMP	78	1000
BDD-SWSF-100417-D-F	10/5/17 0:40	Sodium	14000	ug/l		F	EPA200.8	SMP	78	1000
BDD-SWSF-100417-D	10/5/17 0:40	Thallium	1.1	ug/l		UF	EPA200.8	SMP	0.015	0.2
BDD-SWSF-100417-D-F	10/5/17 0:40	Thallium	0.015	ug/l	U	F	EPA200.8	SMP	0.015	0.2
BDD-SWSF-100417-D	10/5/17 0:40	Uranium	21	ug/l		UF	EPA200.8	SMP	0.022	0.1
BDD-SWSF-100417-D-F	10/5/17 0:40	Uranium	2.9	ug/l		F	EPA200.8	SMP	0.022	0.1
BDD-SWSF-100417-D	10/5/17 0:40	Vanadium	120	ug/l		UF	EPA200.8	SMP	0.12	1
BDD-SWSF-100417-D-F	10/5/17 0:40	Vanadium	4.8	ug/l		F	EPA200.8	SMP	0.12	1
BDD-SWSF-100417-D	10/5/17 0:40	Zinc	250	ug/l		UF	EPA200.8	SMP	1.5	20
BDD-SWSF-100417-D-F	10/5/17 0:40	Zinc	1.5	ug/l	U	F	EPA200.8	SMP	1.5	20
BDD-SWSF-100417-E	10/5/17 1:28	Aluminum	80000	ug/l		UF	EPA200.8	SMP	8.6	50
BDD-SWSF-100417-E-F	10/5/17 1:28	Aluminum	2200	ug/l		F	EPA200.8	SMP	8.6	50
BDD-SWSF-100417-E	10/5/17 1:28	Antimony	0.14	ug/l	J	UF	EPA200.8	SMP	0.056	0.3
BDD-SWSF-100417-E-F	10/5/17 1:28	Antimony	0.15	ug/l	J	F	EPA200.8	SMP	0.056	0.3
BDD-SWSF-100417-E	10/5/17 1:28	Arsenic	20	ug/l		UF	EPA200.8	SMP	0.19	2
BDD-SWSF-100417-E-F	10/5/17 1:28	Arsenic	2.4	ug/l		F	EPA200.8	SMP	0.19	2
BDD-SWSF-100417-E	10/5/17 1:28	Barium	1500	ug/l		UF	EPA200.8	SMP	0.39	1
BDD-SWSF-100417-E-F	10/5/17 1:28	Barium	93	ug/l		F	EPA200.8	SMP	0.39	1
BDD-SWSF-100417-E	10/5/17 1:28	Beryllium	7	ug/l		UF	EPA200.8	SMP	0.084	0.5
BDD-SWSF-100417-E-F	10/5/17 1:28	Beryllium	0.15	ug/l	J	F	EPA200.8	SMP	0.084	0.5
BDD-SWSF-100417-E	10/5/17 1:28	Boron	74	ug/l		UF	EPA200.8	SMP	4.8	50
BDD-SWSF-100417-E-F	10/5/17 1:28	Boron	33	ug/l	J	F	EPA200.8	SMP	4.8	50
BDD-SWSF-100417-E	10/5/17 1:28	Cadmium	1.1	ug/l		UF	EPA200.8	SMP	0.056	0.3
BDD-SWSF-100417-E-F	10/5/17 1:28	Cadmium	0.056	ug/l	U	F	EPA200.8	SMP	0.056	0.3
BDD-SWSF-100417-E	10/5/17 1:28	Calcium	250000	ug/l		UF	EPA200.8	SMP	88	1000
BDD-SWSF-100417-E-F	10/5/17 1:28	Calcium	34000	ug/l		F	EPA200.8	SMP	88	1000
BDD-SWSF-100417-E	10/5/17 1:28	Chromium	69	ug/l		UF	EPA200.8	SMP	0.92	10
BDD-SWSF-100417-E-F	10/5/17 1:28	Chromium	4.1	ug/l	J	F	EPA200.8	SMP	0.92	10
BDD-SWSF-100417-E	10/5/17 1:28	Cobalt	47	ug/l		UF	EPA200.8	SMP	0.18	1
BDD-SWSF-100417-E-F	10/5/17 1:28	Cobalt	1	ug/l		F	EPA200.8	SMP	0.18	1
BDD-SWSF-100417-E	10/5/17 1:28	Copper	82	ug/l		UF	EPA200.8	SMP	1.7	10
BDD-SWSF-100417-E-F	10/5/17 1:28	Copper	3.4	ug/l	J	F	EPA200.8	SMP	1.7	10
BDD-SWSF-100417-E	10/5/17 1:28	Iron	66000	ug/l		UF	EPA200.8	SMP	9.4	100
BDD-SWSF-100417-E-F	10/5/17 1:28	Iron	1600	ug/l		F	EPA200.8	SMP	9.4	100
BDD-SWSF-100417-E	10/5/17 1:28	Lead	74	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-100417-E-F	10/5/17 1:28	Lead	1.1	ug/l		F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-100417-E	10/5/17 1:28	Magnesium	51000	ug/l		UF	EPA200.8	SMP	14	100
BDD-SWSF-100417-E-F	10/5/17 1:28	Magnesium	4600	ug/l		F	EPA200.8	SMP	14	100
BDD-SWSF-100417-E	10/5/17 1:28	Manganese	2900	ug/l		UF	EPA200.8	SMP	0.31	2
BDD-SWSF-100417-E-F	10/5/17 1:28	Manganese	47	ug/l		F	EPA200.8	SMP	0.31	2
BDD-SWSF-100417-E	10/5/17 1:28	Mercury	0.087	ug/l	J	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-100417-E-F	10/5/17 1:28	Mercury	0.06	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-100417-E	10/5/17 1:28	Nickel	90	ug/l		UF	EPA200.8	SMP	0.89	5
BDD-SWSF-100417-E-F	10/5/17 1:28	Nickel	3.1	ug/l	J	F	EPA200.8	SMP	0.89	5

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-100417-E	10/5/17 1:28	Potassium	26000	ug/l		UF	EPA200.8	SMP	69	1000
BDD-SWSF-100417-E-F	10/5/17 1:28	Potassium	3700	ug/l		F	EPA200.8	SMP	69	1000
BDD-SWSF-100417-E	10/5/17 1:28	Selenium	8.5	ug/l		UF	EPA200.8	SMP	0.22	1
BDD-SWSF-100417-E-F	10/5/17 1:28	Selenium	0.49	ug/l	J	F	EPA200.8	SMP	0.22	1
BDD-SWSF-100417-E	10/5/17 1:28	Silver	0.19	ug/l		UF	EPA200.8	SMP	0.02	0.1
BDD-SWSF-100417-E-F	10/5/17 1:28	Silver	0.02	ug/l	U	F	EPA200.8	SMP	0.02	0.1
BDD-SWSF-100417-E	10/5/17 1:28	Sodium	16000	ug/l		UF	EPA200.8	SMP	78	1000
BDD-SWSF-100417-E-F	10/5/17 1:28	Sodium	14000	ug/l		F	EPA200.8	SMP	78	1000
BDD-SWSF-100417-E	10/5/17 1:28	Thallium	1.1	ug/l		UF	EPA200.8	SMP	0.015	0.2
BDD-SWSF-100417-E-F	10/5/17 1:28	Thallium	0.03	ug/l	J	F	EPA200.8	SMP	0.015	0.2
BDD-SWSF-100417-E	10/5/17 1:28	Uranium	25	ug/l		UF	EPA200.8	SMP	0.022	0.1
BDD-SWSF-100417-E-F	10/5/17 1:28	Uranium	3.5	ug/l		F	EPA200.8	SMP	0.022	0.1
BDD-SWSF-100417-E	10/5/17 1:28	Vanadium	130	ug/l		UF	EPA200.8	SMP	0.12	1
BDD-SWSF-100417-E-F	10/5/17 1:28	Vanadium	7.7	ug/l		F	EPA200.8	SMP	0.12	1
BDD-SWSF-100417-E	10/5/17 1:28	Zinc	250	ug/l		UF	EPA200.8	SMP	1.5	20
BDD-SWSF-100417-E-F	10/5/17 1:28	Zinc	6	ug/l	J	F	EPA200.8	SMP	1.5	20
BDD-SWSF-100417-F	10/5/17 2:10	Aluminum	74000	ug/l		UF	EPA200.8	SMP	8.6	50
BDD-SWSF-100417-F-F	10/5/17 2:10	Aluminum	82	ug/l		F	EPA200.8	SMP	8.6	50
BDD-SWSF-100417-F	10/5/17 2:10	Antimony	0.17	ug/l	J	UF	EPA200.8	SMP	0.056	0.3
BDD-SWSF-100417-F-F	10/5/17 2:10	Antimony	0.45	ug/l		F	EPA200.8	SMP	0.056	0.3
BDD-SWSF-100417-F	10/5/17 2:10	Arsenic	20	ug/l		UF	EPA200.8	SMP	0.19	2
BDD-SWSF-100417-F-F	10/5/17 2:10	Arsenic	2.1	ug/l		F	EPA200.8	SMP	0.19	2
BDD-SWSF-100417-F	10/5/17 2:10	Barium	1700	ug/l		UF	EPA200.8	SMP	0.39	1
BDD-SWSF-100417-F-F	10/5/17 2:10	Barium	71	ug/l		F	EPA200.8	SMP	0.39	1
BDD-SWSF-100417-F	10/5/17 2:10	Beryllium	6.8	ug/l		UF	EPA200.8	SMP	0.084	0.5
BDD-SWSF-100417-F-F	10/5/17 2:10	Beryllium	0.084	ug/l	U	F	EPA200.8	SMP	0.084	0.5
BDD-SWSF-100417-F	10/5/17 2:10	Boron	71	ug/l		UF	EPA200.8	SMP	4.8	50
BDD-SWSF-100417-F-F	10/5/17 2:10	Boron	29	ug/l	J	F	EPA200.8	SMP	4.8	50
BDD-SWSF-100417-F	10/5/17 2:10	Cadmium	1.1	ug/l		UF	EPA200.8	SMP	0.056	0.3
BDD-SWSF-100417-F-F	10/5/17 2:10	Cadmium	0.056	ug/l	U	F	EPA200.8	SMP	0.056	0.3
BDD-SWSF-100417-F	10/5/17 2:10	Calcium	290000	ug/l		UF	EPA200.8	SMP	88	1000
BDD-SWSF-100417-F-F	10/5/17 2:10	Calcium	32000	ug/l		F	EPA200.8	SMP	88	1000
BDD-SWSF-100417-F	10/5/17 2:10	Chromium	67	ug/l		UF	EPA200.8	SMP	0.92	10
BDD-SWSF-100417-F-F	10/5/17 2:10	Chromium	3.2	ug/l	J	F	EPA200.8	SMP	0.92	10
BDD-SWSF-100417-F	10/5/17 2:10	Cobalt	49	ug/l		UF	EPA200.8	SMP	0.18	1
BDD-SWSF-100417-F-F	10/5/17 2:10	Cobalt	0.55	ug/l	J	F	EPA200.8	SMP	0.18	1
BDD-SWSF-100417-F	10/5/17 2:10	Copper	77	ug/l		UF	EPA200.8	SMP	1.7	10
BDD-SWSF-100417-F-F	10/5/17 2:10	Copper	2.1	ug/l	J	F	EPA200.8	SMP	1.7	10
BDD-SWSF-100417-F	10/5/17 2:10	Iron	63000	ug/l		UF	EPA200.8	SMP	9.4	100
BDD-SWSF-100417-F-F	10/5/17 2:10	Iron	69	ug/l	J	F	EPA200.8	SMP	9.4	100
BDD-SWSF-100417-F	10/5/17 2:10	Lead	76	ug/l		UF	EPA200.8	SMP	0.13	0.5
BDD-SWSF-100417-F-F	10/5/17 2:10	Lead	0.13	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWSF-100417-F	10/5/17 2:10	Magnesium	48000	ug/l		UF	EPA200.8	SMP	14	100
BDD-SWSF-100417-F-F	10/5/17 2:10	Magnesium	3900	ug/l		F	EPA200.8	SMP	14	100
BDD-SWSF-100417-F	10/5/17 2:10	Manganese	3100	ug/l		UF	EPA200.8	SMP	0.31	2
BDD-SWSF-100417-F-F	10/5/17 2:10	Manganese	5.2	ug/l		F	EPA200.8	SMP	0.31	2
BDD-SWSF-100417-F	10/5/17 2:10	Mercury	0.074	ug/l	J	UF	EPA245.1	SMP	0.06	0.2
BDD-SWSF-100417-F-F	10/5/17 2:10	Mercury	0.06	ug/l	U	F	EPA245.1	DUP	0.06	0.2
BDD-SWSF-100417-F-F	10/5/17 2:10	Mercury	0.06	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWSF-100417-F	10/5/17 2:10	Nickel	91	ug/l		UF	EPA200.8	SMP	0.89	5
BDD-SWSF-100417-F-F	10/5/17 2:10	Nickel	2.8	ug/l	J	F	EPA200.8	SMP	0.89	5
BDD-SWSF-100417-F	10/5/17 2:10	Potassium	25000	ug/l		UF	EPA200.8	SMP	69	1000
BDD-SWSF-100417-F-F	10/5/17 2:10	Potassium	2900	ug/l		F	EPA200.8	SMP	69	1000
BDD-SWSF-100417-F	10/5/17 2:10	Selenium	8.8	ug/l		UF	EPA200.8	SMP	0.22	1
BDD-SWSF-100417-F-F	10/5/17 2:10	Selenium	0.26	ug/l	J	F	EPA200.8	SMP	0.22	1
BDD-SWSF-100417-F	10/5/17 2:10	Silver	2.9	ug/l		UF	EPA200.8	SMP	0.02	0.1

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWSF-100417-F-F	10/5/17 2:10	Silver	0.02	ug/l	U	F	EPA200.8	SMP	0.02	0.1
BDD-SWSF-100417-F	10/5/17 2:10	Sodium	17000	ug/l		UF	EPA200.8	SMP	78	1000
BDD-SWSF-100417-F-F	10/5/17 2:10	Sodium	15000	ug/l		F	EPA200.8	SMP	78	1000
BDD-SWSF-100417-F	10/5/17 2:10	Thallium	1.1	ug/l		UF	EPA200.8	SMP	0.015	0.2
BDD-SWSF-100417-F-F	10/5/17 2:10	Thallium	0.015	ug/l	U	F	EPA200.8	SMP	0.015	0.2
BDD-SWSF-100417-F	10/5/17 2:10	Uranium	22	ug/l		UF	EPA200.8	SMP	0.022	0.1
BDD-SWSF-100417-F-F	10/5/17 2:10	Uranium	2.8	ug/l		F	EPA200.8	SMP	0.022	0.1
BDD-SWSF-100417-F	10/5/17 2:10	Vanadium	130	ug/l		UF	EPA200.8	SMP	0.12	1
BDD-SWSF-100417-F-F	10/5/17 2:10	Vanadium	4.8	ug/l		F	EPA200.8	SMP	0.12	1
BDD-SWSF-100417-F	10/5/17 2:10	Zinc	250	ug/l		UF	EPA200.8	SMP	1.5	20
BDD-SWSF-100417-F-F	10/5/17 2:10	Zinc	1.5	ug/l	U	F	EPA200.8	SMP	1.5	20
BDD-SWBF-103117-A	10/31/17 14:23	Aluminum	440	ug/l		UF	EPA200.8	SMP	8.6	50
BDD-SWBF-103117-A-F	10/31/17 14:23	Aluminum	14	ug/l	J	F	EPA200.8	SMP	8.6	50
BDD-SWBF-103117-A-F	10/31/17 14:23	Aluminum	11	ug/l	J	F	EPA200.8	DUP	8.6	50
BDD-SWBF-103117-A	10/31/17 14:23	Antimony	0.11	ug/l	J	UF	EPA200.8	SMP	0.056	0.3
BDD-SWBF-103117-A-F	10/31/17 14:23	Antimony	0.16	ug/l	J	F	EPA200.8	SMP	0.056	0.3
BDD-SWBF-103117-A-F	10/31/17 14:23	Antimony	0.19	ug/l	J	F	EPA200.8	DUP	0.0564	0.3
BDD-SWBF-103117-A	10/31/17 14:23	Arsenic	1.9	ug/l	J	UF	EPA200.8	SMP	0.19	2
BDD-SWBF-103117-A-F	10/31/17 14:23	Arsenic	1.52	ug/l	J	F	EPA200.8	DUP	0.191	2
BDD-SWBF-103117-A-F	10/31/17 14:23	Arsenic	1.8	ug/l	J	F	EPA200.8	SMP	0.19	2
BDD-SWBF-103117-A	10/31/17 14:23	Barium	72	ug/l		UF	EPA200.8	SMP	0.39	1
BDD-SWBF-103117-A-F	10/31/17 14:23	Barium	63	ug/l		F	EPA200.8	DUP	0.389	1
BDD-SWBF-103117-A-F	10/31/17 14:23	Barium	63	ug/l		F	EPA200.8	SMP	0.39	1
BDD-SWBF-103117-A	10/31/17 14:23	Beryllium	0.084	ug/l	U	UF	EPA200.8	SMP	0.084	0.5
BDD-SWBF-103117-A-F	10/31/17 14:23	Beryllium	0.084	ug/l	U	F	EPA200.8	SMP	0.084	0.5
BDD-SWBF-103117-A-F	10/31/17 14:23	Beryllium	0.0837	ug/l	U	F	EPA200.8	DUP	0.0837	0.5
BDD-SWBF-103117-A	10/31/17 14:23	Boron	31	ug/l	J	UF	EPA200.8	SMP	4.8	50
BDD-SWBF-103117-A-F	10/31/17 14:23	Boron	28	ug/l	J	F	EPA200.8	DUP	4.85	50
BDD-SWBF-103117-A-F	10/31/17 14:23	Boron	30	ug/l	J	F	EPA200.8	SMP	4.8	50
BDD-SWBF-103117-A	10/31/17 14:23	Cadmium	0.056	ug/l	U	UF	EPA200.8	SMP	0.056	0.3
BDD-SWBF-103117-A-F	10/31/17 14:23	Cadmium	0.056	ug/l	U	F	EPA200.8	SMP	0.056	0.3
BDD-SWBF-103117-A-F	10/31/17 14:23	Cadmium	0.0561	ug/l	U	F	EPA200.8	DUP	0.0561	0.3
BDD-SWBF-103117-A	10/31/17 14:23	Calcium	39000	ug/l		UF	EPA200.8	SMP	88	1000
BDD-SWBF-103117-A-F	10/31/17 14:23	Calcium	38000	ug/l		F	EPA200.8	SMP	88	1000
BDD-SWBF-103117-A-F	10/31/17 14:23	Calcium	37700	ug/l		F	EPA200.8	DUP	88.4	1000
BDD-SWBF-103117-A	10/31/17 14:23	Chromium	0.92	ug/l	U	UF	EPA200.8	SMP	0.92	10
BDD-SWBF-103117-A-F	10/31/17 14:23	Chromium	0.92	ug/l	U	F	EPA200.8	SMP	0.92	10
BDD-SWBF-103117-A-F	10/31/17 14:23	Chromium	0.916	ug/l	U	F	EPA200.8	DUP	0.916	10
BDD-SWBF-103117-A	10/31/17 14:23	Cobalt	0.31	ug/l	J	UF	EPA200.8	SMP	0.18	1
BDD-SWBF-103117-A-F	10/31/17 14:23	Cobalt	0.24	ug/l	J	F	EPA200.8	DUP	0.178	1
BDD-SWBF-103117-A-F	10/31/17 14:23	Cobalt	0.24	ug/l	J	F	EPA200.8	SMP	0.18	1
BDD-SWBF-103117-A	10/31/17 14:23	Copper	2.3	ug/l	J	UF	EPA200.8	SMP	1.7	10
BDD-SWBF-103117-A-F	10/31/17 14:23	Copper	2.14	ug/l	J	F	EPA200.8	DUP	1.71	10
BDD-SWBF-103117-A-F	10/31/17 14:23	Copper	2.5	ug/l	J	F	EPA200.8	SMP	1.7	10
BDD-SWBF-103117-A	10/31/17 14:23	Iron	380	ug/l		UF	EPA200.8	SMP	9.4	100
BDD-SWBF-103117-A-F	10/31/17 14:23	Iron	9.4	ug/l	U	F	EPA200.8	SMP	9.4	100
BDD-SWBF-103117-A-F	10/31/17 14:23	Iron	9.37	ug/l	U	F	EPA200.8	DUP	9.37	100
BDD-SWBF-103117-A	10/31/17 14:23	Lead	0.28	ug/l	J	UF	EPA200.8	SMP	0.13	0.5
BDD-SWBF-103117-A-F	10/31/17 14:23	Lead	0.13	ug/l	U	F	EPA200.8	SMP	0.13	0.5
BDD-SWBF-103117-A-F	10/31/17 14:23	Lead	0.128	ug/l	U	F	EPA200.8	DUP	0.128	0.5
BDD-SWBF-103117-A	10/31/17 14:23	Magnesium	6900	ug/l		UF	EPA200.8	SMP	14	100
BDD-SWBF-103117-A-F	10/31/17 14:23	Magnesium	6700	ug/l		F	EPA200.8	SMP	14	100
BDD-SWBF-103117-A-F	10/31/17 14:23	Magnesium	6650	ug/l		F	EPA200.8	DUP	13.6	100
BDD-SWBF-103117-A	10/31/17 14:23	Manganese	22	ug/l		UF	EPA200.8	SMP	0.31	2
BDD-SWBF-103117-A-F	10/31/17 14:23	Manganese	4.8	ug/l		F	EPA200.8	SMP	0.31	2
BDD-SWBF-103117-A-F	10/31/17 14:23	Manganese	4.71	ug/l		F	EPA200.8	DUP	0.311	2

APPENDIX B - Analytical Results Metals

Sample Name	Date&Time	Constituent	Result	Units	Flag	Prep	Analytical Method	Type	MDL	PRL
BDD-SWBF-103117-A	10/31/17 14:23	Mercury	0.06	ug/l	U	UF	EPA245.1	SMP	0.06	0.2
BDD-SWBF-103117-A	10/31/17 14:23	Mercury	0.06	ug/l	U	UF	EPA245.1	DUP	0.06	0.2
BDD-SWBF-103117-A-F	10/31/17 14:23	Mercury	0.06	ug/l	U	F	EPA245.1	SMP	0.06	0.2
BDD-SWBF-103117-A	10/31/17 14:23	Nickel	6.3	ug/l		UF	EPA200.8	SMP	0.89	5
BDD-SWBF-103117-A-F	10/31/17 14:23	Nickel	0.94	ug/l	J	F	EPA200.8	DUP	0.886	5
BDD-SWBF-103117-A-F	10/31/17 14:23	Nickel	3.5	ug/l	J	F	EPA200.8	SMP	0.89	5
BDD-SWBF-103117-A	10/31/17 14:23	Potassium	2600	ug/l		UF	EPA200.8	SMP	69	1000
BDD-SWBF-103117-A-F	10/31/17 14:23	Potassium	2460	ug/l		F	EPA200.8	DUP	69.2	1000
BDD-SWBF-103117-A-F	10/31/17 14:23	Potassium	2500	ug/l		F	EPA200.8	SMP	69	1000
BDD-SWBF-103117-A	10/31/17 14:23	Selenium	0.4	ug/l	J	UF	EPA200.8	SMP	0.22	1
BDD-SWBF-103117-A-F	10/31/17 14:23	Selenium	0.29	ug/l	J	F	EPA200.8	SMP	0.22	1
BDD-SWBF-103117-A-F	10/31/17 14:23	Selenium	0.37	ug/l	J	F	EPA200.8	DUP	0.222	1
BDD-SWBF-103117-A	10/31/17 14:23	Silver	0.02	ug/l	U	UF	EPA200.8	SMP	0.02	0.1
BDD-SWBF-103117-A-F	10/31/17 14:23	Silver	0.0204	ug/l	U	F	EPA200.8	DUP	0.0204	0.1
BDD-SWBF-103117-A-F	10/31/17 14:23	Silver	0.02	ug/l	U	F	EPA200.8	SMP	0.02	0.1
BDD-SWBF-103117-A	10/31/17 14:23	Sodium	17000	ug/l		UF	EPA200.8	SMP	78	1000
BDD-SWBF-103117-A-F	10/31/17 14:23	Sodium	17000	ug/l		F	EPA200.8	DUP	78.5	1000
BDD-SWBF-103117-A-F	10/31/17 14:23	Sodium	17000	ug/l		F	EPA200.8	SMP	78	1000
BDD-SWBF-103117-A	10/31/17 14:23	Thallium	0.015	ug/l	U	UF	EPA200.8	SMP	0.015	0.2
BDD-SWBF-103117-A-F	10/31/17 14:23	Thallium	0.015	ug/l	U	F	EPA200.8	SMP	0.015	0.2
BDD-SWBF-103117-A-F	10/31/17 14:23	Thallium	0.0146	ug/l	U	F	EPA200.8	DUP	0.0146	0.2
BDD-SWBF-103117-A	10/31/17 14:23	Uranium	2.2	ug/l		UF	EPA200.8	SMP	0.022	0.1
BDD-SWBF-103117-A-F	10/31/17 14:23	Uranium	2.1	ug/l		F	EPA200.8	SMP	0.022	0.1
BDD-SWBF-103117-A-F	10/31/17 14:23	Uranium	2.04	ug/l		F	EPA200.8	DUP	0.022	0.1
BDD-SWBF-103117-A	10/31/17 14:23	Vanadium	3.7	ug/l		UF	EPA200.8	SMP	0.12	1
BDD-SWBF-103117-A-F	10/31/17 14:23	Vanadium	3.1	ug/l		F	EPA200.8	SMP	0.12	1
BDD-SWBF-103117-A-F	10/31/17 14:23	Vanadium	3.01	ug/l		F	EPA200.8	DUP	0.123	1
BDD-SWBF-103117-A	10/31/17 14:23	Zinc	1.5	ug/l	U	UF	EPA200.8	SMP	1.5	20
BDD-SWBF-103117-A-F	10/31/17 14:23	Zinc	1.47	ug/l	U	F	EPA200.8	DUP	1.47	20
BDD-SWBF-103117-A-F	10/31/17 14:23	Zinc	1.5	ug/l	U	F	EPA200.8	SMP	1.5	20

APPENDIX C - PCBs, DIOXINS, PERCHLORATE

Date&Time	Total PCBs ng/L	D/F TEQ pg/L	ClO^{4-} ug/L	Method Blank Concentrations	
7/2/15 17:41	0.0092 B1	ND B2		B1=0.069	B2=0.0014
7/2/15 18:41	27.1 B1	1.0084 B2		B1=0.069	B2=0.0014
7/7/15 7:09	0.15 B1	0.1173 B2		B1=0.069	B2=0.0014
7/7/15 8:09	0.73 B1	0.1773 B2		B1=0.069	B2=0.0014
7/7/15 22:29	0.16 B1	0.0255 B2		B1=0.340	B2=0.0014
7/20/15 21:48	5.5 B1	0.5995 B2		B1=0.340	B2=0.0014
7/20/15 22:48	0.95 B1			B1=0.340	B2=0.0014
7/30/15 2:22	1.1 B1	0.4882 B2		B1=0.069	B2=0.0014
7/30/15 3:22	0.7 B1	0.0779 B2		B1=0.069	B2=0.0014
7/31/15 17:53	2.63 B1	0.2753 B2		B1=0.069	B2=0.0014
7/31/15 18:52	0.4 B1	0.1334 B2		B1=0.069	B2=0.0014
9/23/15 13:34	0.0068 B1	0.0003 B3		B1=0.069	B2=0.0014
10/21/15 18:42	16 B1		0.310	B1=0.340	B2=0.0014
10/21/15 20:12			0.340		B2=0.0014
10/21/15 20:42		0.4057 B2			B2=0.0014
10/21/15 22:42	0.97 B1	0.0833 B2		B1=0.340	B2=0.0014
10/24/15 0:11	0.22 B1		0.061 J	B1=0.340	B2=0.0014
10/24/15 1:11		0.0032 B2	<0.06		B2=0.0014
10/24/15 4:11	0.11 B1		<0.06	B1=0.340	B2=0.0014
6/3/16 9:10		ND			
6/8/16 8:54	0.322 B1		0.16 J	B1=0.0853	
7/6/16 8:40			0.088 J		
7/28/16 8:15	0.186 B1	0.00043	0.17 J	B1=0.0853	
8/3/16 8:38	0.212 B1	ND	0.15 J	B1=0.390	
8/27/16 16:28	0.232 B1		<0.06	B1=0.248	
8/27/16 17:28		0.0505 B2	<0.06		B2=0.1958
8/27/16 18:28	0.163 B1		<0.06	B1=0.248	
8/27/16 19:28		0.0156 B2	<0.06		B2=0.1958
10/11/16 8:14	0.113 B1	0.0711 B2	<0.06	B1=0.083	B2=0.0005
7/5/17 9:45	18.4 B1	0.22 B2	0.18 J	B1=0.658	B2=0.37
7/27/17 1:29	3.29 B1	11.6 B2	<0.06	B1=0.658	B2=0.3
7/27/17 4:00	3.22 B1	4.2 B2	<0.06	B1=0.658	B2=0.3
8/8/17 13:59	2.27 B1	0.108 B2	<0.06	B1=1.26	B2=5.931
8/8/17 16:30	1.32 B1	0.793 B2	0.14 J	B1=1.26	B2=5.931
8/9/17 17:15			0.23		
8/8/17 17:57	1.38 B1	0.065 B2		B1=1.26	B2=5.931
8/8/17 19:27	2.08 B1	0.043 B2	0.07 J	B1=1.26	B2=5.931
8/9/17 21:03			0.1 J		
8/30/17 10:00	0.145 B1	0.00169 B2	<0.06	B1=0.123	B2=0.0016
9/28/17 0:12	101/123 B1		<0.06	B1= 0.970	
9/28/17 1:12		0.0530 B2			B2=0.0431
9/28/17 2:42	0.564 B1		<0.06	B1= 0.970	
9/28/17 4:12		0.1003 B2			B2=0.0431
9/28/17 5:42	0.557 B1		<0.06	B1= 0.970	

APPENDIX C - PCBs, DIOXINS, PERCHLORATE

Date&Time	Total PCBs ng/L	D/F TEQ pg/L	ClO^{4-} ug/L	Method Blank Concentrations	
9/29/17 1:08	7.51 B1		<0.06	B1= 0.204	
9/29/17 2:08		0.236 B2			B2=0.0431
9/29/17 3:38	0.89 B1		<0.06	B1= 0.970	
9/29/17 5:08		0.0863 B2			B2=0.0431
9/29/17 6:38	1.71 B1		<0.06	B1= 0.970	
10/4/17 22:58	0.437 B1		<0.06	B1=0.970	
10/4/17 23:58		2.1061 B2	<0.06		B2=0.0925
10/5/17 1:28	1.300 B1		<0.06	B1=0.970	
10/31/17 14:23	4.61 B1	0.0027 B2	0.11 J	B1=0.139	B2=0.0245
Comparison Values	NM WQCC 0.64 ng/L	NM WQCC 0.051 pg/L	NMED UTL 0.4 ug/L		

Notes:

	Results are above the comparison values
J	Results are estimated
ND	Non-detect
B	Constituent found in the methd blank
NM WQCC	New Mexico Water Quality Control Commission standard
NMED UTL	New Mexico Environment Department Upper Tolerance Limit