

APPENDIX J GROUNDWATER DATA

APPENDIX J-1 INITIAL INVESTIGATION

Site 16
Groundwater Appendix Tables
Initial Investigation

LOCATION	016_MW01	016_MW02		016_MW03	016_MW04	016_MW05	016_MW06	016_MW07
SAMPLE ID	016_MW01-20110916	016_MW02-20110916	016_MW02-20110916-D	016_MW03-20110915	016_MW04-20110915	016_MW05-20110915	016_MW06-20110915	016_MW07-20110915
SAMPLE DATE	20110916	20110916	20110916	20110915	20110915	20110915	20110915	20110915
SAMPLE CODE	NORMAL	NORMAL	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	GW	GW	GW	GW	GW	GW	GW	GW
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	NA	NA	NA	NA	NA	NA	NA	NA
TOP DEPTH	7	6.7	6.7	7	7.5	7.5	6.5	6.5
BOTTOM DEPTH	7	6.7	6.7	7	7.5	7.5	6.5	6.5
METALS (UG/L)								
ANTIMONY	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U
CHROMIUM	3.2 U	18	12.8	55.1	4.8 J	3.2 J	7 J	13.1
NICKEL	6.6 J	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
THALLIUM	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U
VANADIUM	2.7 J	3.9 J	3.6 J	7.2 J	2.9 J	2 J	2.2 J	2 U
MISCELLANEOUS PARAMETERS (MV)								
OXIDATION REDUCTION POTENTIAL	456	466	443	431	467	462	465	473
MISCELLANEOUS PARAMETERS (S.U.)								
PH	7.21	7.48	7.31	8.53	7.41	7.62	8.12	7.95
MISCELLANEOUS PARAMETERS (UG/L)								
HEXAVALENT CHROMIUM	1.5 UJ	1.5 J	1.5 UJ	1.5 U	3.9 J	1.5 U	8.5 J	3.9 J

U = NON DETECT
J = ESTIMATED
NA = NOT APPLICABLE

Site 16
Groundwater Appendix Tables
Initial Investigation

LOCATION	016_MW08	PPG4_MW02		PPG4_MW15		PPG4_MW16	
SAMPLE ID	016_MW08-20110915	PPG4_MW02-20110805	PPG4_MW02-14.1-20110915	PPG4_MW15-20110805	PPG4_MW15-8.0-20110915	PPG4_MW16-20110805	PPG4_MW16-9.3-20110915
SAMPLE DATE	20110915	20110805	20110915	20110805	20110915	20110805	20110915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	GW	GW	GW	GW	GW	GW	GW
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	NA	NA	NA	NA	NA	NA	NA
TOP DEPTH	6	11.8	14.1	6	8	7.5	9.3
BOTTOM DEPTH	6	11.8	14.1	6	8	7.5	9.3
METALS (UG/L)							
ANTIMONY	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U
CHROMIUM	397	4.2 J	5.7 J	27.6	24.9	4.2 J	3.2 J
NICKEL	7.3 J	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
THALLIUM	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U
VANADIUM	18.2 J	2.3 J	2 U	10.9 J	8.6 J	2.7 J	2.8 J
MISCELLANEOUS PARAMETERS (MV)							
OXIDATION REDUCTION POTENTIAL	486	442	475	441	469	435	472
MISCELLANEOUS PARAMETERS (S.U.)							
PH	7.82	7.61	7.56	7.5	7.38	7.71	7.68
MISCELLANEOUS PARAMETERS (UG/L)							
HEXAVALENT CHROMIUM	182	1.5 U	1.6 J	1.5 U	5 J	3.4 J	6.2 J

U = NON DETECT
J = ESTIMATED
NA = NOT APPLICABLE

APPENDIX J-2 DELINEATION INVESTIGATION

Site 16
Groundwater Appendix Table

LOCATION	016_MW01	016_MW02	016_MW03	016_MW04	016_MW05	016_MW06	016_MW07	016_MW08
SAMPLE ID	016_MW01_20130130	016_MW02_20130131	016_MW03_20130131	016_MW04_20130131	016_MW05_20130130	016_MW06_20130130	016_MW07_20130131	016_MW08_20130201
SAMPLE DATE	20130130	20130131	20130131	20130131	20130130	20130130	20130131	20130201
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	GW	GW	GW	GW	GW	GW	GW	GW
SAPMLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	NA	NA	NA	NA	NA	NA	NA	NA
TOP DEPTH	-9999	-9999	-9999	-9999	-9999	-9999	-9999	-9999
BOTTOM DEPTH	-9999	-9999	-9999	-9999	-9999	-9999	-9999	-9999
METALS (UG/L)								
ANTIMONY	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	4.9	1.9 U
CHROMIUM	17.6	720	54.7	6.5	7.3	4.5 J	742	147
NICKEL	14.6	31.3	4.1 U	4.1 U	10.4	4.1 U	78.7	4.1 U
THALLIUM	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
VANADIUM	18.5	36.8	12.3	6.1	6.2	4.1 J	84.1	8.6
MISCELLANEOUS PARAMETERS (UG/L)								
HEXAVALENT CHROMIUM	3.2 U	3.2 U	3.2 U	3.2 U	3.2 J	3.2 U	16 U	27.9 J
MISCELLANEOUS PARAMETERS (S.U.)								
CORROSIVITY	NA	NA	NA	NA	NA	NA	NA	7.91
PH	5.91	7.76	7.59	6.53	6.03	8.21	7.78	7.91
MISCELLANEOUS PARAMETERS (MV)								
OXIDATION REDUCTION POTENTI	402	343	520	304	360	558	415	372

U = NON DETECT
J = ESTIMATED
NA = NOT APPLICABLE

Site 16
Groundwater Appendix Table

LOCATION	016_MW10	016_MW11	PPG4_MW02_11.8	PPG4_MW02_14.1	PPG4_MW15_6.0	PPG4_MW15_8.0
SAMPLE ID	016_MW10_20130201	016_MW11_20130201	PPG4_MW02_11.8_20130130	PPG4_MW02_14.1_20130130	PPG4_MW15_6.0_20130131	PPG4_MW15_8.0_20130131
SAMPLE DATE	20130201	20130201	20130130	20130130	20130131	20130131
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	GW	GW	GW	GW	GW	GW
SAPMLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	NA	NA	NA	NA	NA	NA
TOP DEPTH	-9999	-9999	11.8	14.1	6	8
BOTTOM DEPTH	-9999	-9999	11.8	14.1	6	8
METALS (UG/L)						
ANTIMONY	1.9 U	1.9 U	1.9 U	1.9 U	1.9 J	2.2 J
CHROMIUM	3.9 U	6.8	4.7 J	4.7 J	14	15.5
NICKEL	4.1 U	4.1 U	4.1 U	4.1 U	5.8	6.7
THALLIUM	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
VANADIUM	4.5 J	6.6	3.8 U	4.7 J	18.2	17.2
MISCELLANEOUS PARAMETERS						
HEXAVALENT CHROMIUM	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U
MISCELLANEOUS PARAMETERS						
CORROSIVITY	6.4	7.57	NA	NA	NA	NA
PH	6.4	7.57	6.11	6.09	5.58	5.45
MISCELLANEOUS PARAMETER						
OXIDATION REDUCTION POTENTIAL	343	384	365	367	422	420

U = NON DETECT
 J = ESTIMATED
 NA = NOT APPLICABLE