

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 |

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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 |

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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 |

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