Appendix B: Water Quality Profile II Charts – Mine Water Monitoring Stations
Mine Water Monitoring - Water Quality Profile II, 5-Year Trend Charts

Acidity as CaCO3, units mg/L
Mine Water Monitoring - Water Quality Profile II, 5-Year Trend Charts

Cadmium, dissolved, units mg/L
Mine Water Monitoring - Water Quality Profile II, 5-Year Trend Charts

Conductivity, units uS/cm

- **Mine Sump Water**
- **West Overburden Sump**
- **Reclaim Water**
- **Seepage Pond Water**
- **Mill Tailings Solution**
- **WTP3 Influent Water**
- **Main Pit Lake**
- **WTP3 Effluent Water**

Graphs showing trends from various monitoring points over a 5-year period.
Mine Water Monitoring - Water Quality Profile II, 5-Year Trend Charts

Copper, dissolved, units mg/L

Mine Sump Water

West Overburden Sump

Reclaim Water

Seepage Pond Water

Mill Tailings Solution

WTP3 Influent Water

Main Pit Lake

WTP3 Effluent Water
Mine Water Monitoring - Water Quality Profile II, 5-Year Trend Charts

Iron, dissolved, units mg/L
Mine Water Monitoring - Water Quality Profile II, 5-Year Trend Charts

East Overburden Sump

Mg, Dissolved, units mg/L

Mine Sump Water

West Overburden Sump

Reclaim Water

Seepage Pond Water

Mill Tailings Solution

WTP3 Influent Water

Main Pit Lake

WTP3 Effluent Water

Magnesium, dissolved, units mg/L
Potassium, dissolved, units mg/L

Mine Sump Water

West Overburden Sump

Reclaim Water

Seepage Pond Water

Mill Tailings Solution

WTP3 Influent Water

Main Pit Lake

WTP3 Effluent Water

East Overburden Sump

Potassium, dissolved, units mg/L

Mine Water Monitoring - Water Quality Profile II, 5-Year Trend Charts
Mine Water Monitoring - Water Quality Profile II, 5-Year Trend Charts

Sodium, dissolved, units mg/L

Mine Sump Water

West Overburden Sump

Reclaim Water

Seepage Pond Water

Mill Tailings Solution

WTIP3 Influent Water

Main Pit Lake

WTIP3 Effluent Water
Mine Water Monitoring - Water Quality Profile II, 5-Year Trend Charts

Ammonia as N, units mg/L

- East Overburden Sump
- West Overburden Sump
- Reclaim Water
- Seepage Pond Water
- Mill Tailings Solution
- WTP3 Influent Water
- Main Pit Lake
- WTP3 Effluent Water
Mine Water Monitoring - Water Quality Profile II, 5-Year Trend Charts

pH, units

East Overburden Sump

West Overburden Sump

Reclaim Water

Seepage Pond Water

Mill Tailings Solution

WTP3 Influent Water

Main Pit Lake

WTP3 Effluent Water
Mine Water Monitoring - Water Quality Profile II, 5-Year Trend Charts

Temperature, Celsius

- East Overburden Sump
- West Overburden Sump
- Reclaim Water
- Seepage Pond Water
- Mill Tailings Solution
- WTP3 Influent Water
- Main Pit Lake
- WTP3 Effluent Water
Mine Water Monitoring - Water Quality Profile II, 5-Year Trend Charts

Zinc, dissolved, units, mg/L