

### INTRODUCTION

October marked the start of the operations phase of the Community Environmental Monitoring Program (CEMP). All monitoring done from October on will be compared to baseline data collected from October 2012-October 2014.

During October 2014, independent monitoring of Eagle Mine's operations conducted by the Superior Watershed Partnership (SWP) included:

- Effluent monitoring at the Eagle Mine Water Treatment Plant
- Effluent monitoring at the Humboldt Mill Water Treatment Plant
- Mine Permit Surface Water monitoring
- Air quality monitoring in Powell Township
- Portable air quality monitoring along the haul route from the mine to the mill

### FINDINGS/RESULTS

- Data collected from effluent water of Eagle Mine Water Treatment Plant prior to discharge to the Treated Water Infiltration System (TWIS) - results were in compliance with the permit. Click [here](#) for results. Click on Data Verification, then Facilities to view the data.
- Data collected from effluent water of the Humboldt Mill Water Treatment Plant prior to the discharge of water to the wetlands along the Middle Branch Escanaba River. October results were in compliance with permits. Click [here](#) for October results. Click [here](#) for mercury results.
- Air quality monitoring data collected at the Big Bay air station, and Humboldt Mill using a DEQ/EPA approved portable monitoring device. All sites were in compliance with National Air Quality Standards.
- Received Eagle Mine results from the Mine Vent Air Raise from the September stack test. Click [here](#) for these results.

CEMP Field Technician Hunter King collecting groundwater samples in accordance with the Eagle Mine Groundwater Discharge Permit

### PUBLIC OUTREACH/COMMUNITY INPUT

- CEMP and Eagle Mine environmental monitoring data continues to be uploaded to the CEMP website.
- SWP staff participated in related CEMP technical committee meetings.
- SWP staff attended the Marquette Township meeting of the Eagle Mine Community Forums
- SWP began the planning for the December CEMP Public Meetings – to be held on December 2 at Lakeview Arena in Marquette and December 4 at Humboldt Township Hall. Both meetings begin at 7pm.
- Continued social media outreach.

#### CEMP Monthly Monitoring by Category October 2014

