

## **A Simple Summary**

### **Uranium Findings at Eagle Mine**

**Fall 2013**

**[www.cempmonitoring.com](http://www.cempmonitoring.com)**

Monitoring conducted by the Superior Watershed Partnership detected small quantities of naturally occurring uranium in water and rock at the Temporary Development Rock Storage Area (TDRSA) at Eagle Mine in February 2013. Concentrations found are similar to those naturally occurring in other areas of the Upper Peninsula.

The most likely source of the uranium detected in the TDRSA Leak Detection Sump is commercial rock (aggregate) that was brought on-site and used to construct the TDRSA liner system. This aggregate rock was also used in construction of the mine decline tunnel.

In addition to the commercial rock brought on-site during construction, review of Eagle Mine data indicates that uranium is also present in the Mine Development Rock (rock removed during construction of the mine tunnel and stored on the TDRSA).

The SWP monitoring also confirmed that uranium is removed from mine water through reverse osmosis and ion exchange at the Water Treatment Plant. Treated water that is discharged to the Treated Water Infiltration System (TWIS) does not contain uranium. Solids removed from the water treatment system are disposed of at the Marquette County Landfill and or at a commercial landfill in eastern Wisconsin.

\*Simple Summaries are a one page or less simplified, written description of any issues, permit exceedances, or other data anomalies requiring analysis as a part of the CEMP at the Eagle Mine. They are designed for the lay person and should allow the reader to easily understand the issue without any complicated diagrams or scientific terms. Please refer to the official monitoring report for a complete analysis.