

**Official Draft Public Notice Version May 24, 2017**

**The findings, determinations, and assertions contained in this document are not final and subject to change following the public comment period.**

**Division of Water Quality  
Utah Department of Environmental Quality  
Public Notice of Intent to Issue a Modification to  
Ground Water Discharge Permit No. UGW010014**

**Purpose of Public Notice**

The Utah Department of Environmental Quality (DEQ) is soliciting comments on the intent to issue a modified ground water discharge permit described below under authority of the Utah Water Quality Act, Section 19-5-108(1)(2) Utah Code Ann. 1953, as amended and Utah Administrative Code R317-1 & R317-6. Under Section 19-1-301.5, effective May 8, 2012, a person who wishes to challenge a Permit Order may only raise an issue or argument during an adjudicatory proceeding that was raised during the public comment period and was supported with sufficient information or documentation to enable the Director to fully consider the substance and significance of the issue. Utah Code Ann. 19-1-301.5 can be viewed at the following internet URL: <https://le.utah.gov/xcode/Title19/Chapter1/19-1-S301.5.html>.

**Permit Information**

Permittee Name: CS Mining, LLC

Mailing Address: P.O. Box 608  
Milford, UT 84751

Facility Location: The mine and permitted facilities are located approximately nine miles northwest of Milford, Utah.

CS Mining, LLC has developed a copper mining and beneficiation operation in Beaver County, Utah. These facilities were required to obtain a ground water discharge and construction permit under the above-cited statute and rules. Facilities covered by the permits include three double-lined process water ponds, and a tailings impoundment lined with a single 40-mil HDPE synthetic liner. Discharge from the process water ponds is monitored by a leak detection sump that drains the space between the two liners. CS Mining has installed a monitor well at the toe of the tailings impoundment dam to monitor for leakage.

Since start-up of the operation, it has been discovered that copper ore processed in the acid leach circuit has less acid-neutralizing capacity than originally anticipated. As a result, process water currently stored in the tailings impoundment has very low pH, in the range of 1 to 2. This new information necessitates modifications to the original permit for storing process water with this acidity. To compensate for the existing liner, additional requirements are incorporated into this modified permit as follows:

- CS Mining shall implement a plan to neutralize the acidity of process water stored in the impoundment;
- Monitoring of ground water in the well at the toe of the tailings impoundment dam for pH shall be done monthly, and ground water sampling and analysis shall be done quarterly;
- CS Mining shall propose a closure plan for the impoundment that is protective of ground water

and other waters of the state; and

- Any new expansions of the tailings impoundment will be lined with 60-mil HDPE where slope conditions allow.

### **Public Comments**

Public comments are invited any time prior to **Monday, June 26, 2017**. Written comments may be directed to the Division of Water Quality (DWQ), P.O. Box 144870, Salt Lake City, UT 84114-4870. All comments received prior to close of business to **Monday, June 26, 2017**, will be considered in the formulation of final conditions to be imposed by the permit.

### **Additional Information**

Additional information may be obtained upon request by contacting Mark Novak at (801) 536-4300 or [mnovak@utah.gov](mailto:mnovak@utah.gov) or by writing to the aforementioned address. Related documents are available for review during normal business hours at DWQ, 195 North 1950 West in Salt Lake City or on the DWQ web page at <http://www.waterquality.utah.gov/PublicNotices/index.htm>.

In compliance with the Americans with Disabilities Act, individuals with special needs (including auxiliary communicative aids and services) should contact Larene Wyss, Office of Human Resources at (801) 536-4284, TDD (801) 536-4284.