

## Section 17.24.646

### SURFACE WATER MONITORING

#### (1)(a) Approved Monitoring Program

Surface water stations are monitored monthly and, when possible, during snow melt or runoff events. The Monitoring and Quality Assurance Plan (MQAP) contains a description of the current surface water monitoring program as well as a description of the discontinued surface water monitoring sites. Refer to the MQAP (located as an addendum to Section 17.24.314) for the list of sites monitored and the frequency of activity. Each site generally utilizes redundant flow monitoring methods for water quality and quantity measurements. A map of the currently active surface water monitoring station locations is provided in the MQAP and with each Annual Report of Hydrologic Monitoring.

#### (1)(b) Notification of Noncompliance

In all cases in which analytical results of sample collections indicate noncompliance with a permit condition or an applicable standard, SCM will take appropriate remedial measures. The MDEQ will be notified immediately (or no later than 5 days) of the discovery of a noncompliance situation, and of the remedial measures taken to correct the situation, which include, but are not limited to, accelerated or additional monitoring, abatement, and warning of all persons whose health and safety is in imminent danger. Whenever a violation of a MPDES permit occurs, SCM will forward the analytical results concurrently with the notice of noncompliance to the MDEQ.

#### (2) Reporting Requirements

SCM will submit semi-annual reports (interim presents data, annual presents evaluation and analysis) including the analytical results of each sample taken during the semester. All monitoring data will be maintained on a current basis at the mine for review by the MDEQ. Copies of water monitoring reports required by the MPDES will also be submitted to the MDEQ within 90 days of sample collection. (See also Sections 17.24.631(3)(a), 17.24.633 and 17.24.308.) SCM has in the past through Annual Reports of Hydrologic Monitoring documented significant changes in drainage conditions along streams on the mine site. SCM will continue to report changes and contributing factors as part of the Annual Report of Hydrologic Monitoring.

(3) Monitoring Frequencies

Surface water monitoring will be conducted at a frequency appropriate to measure normal and abnormal variations. Surface water monitoring conducted by SCM is summarized in the MQAP (addendum to Section 17.24.314).

All currently active sites are depicted in the MQAP and the Annual Reports. Surface water stations are monitored monthly and, when possible, during snowmelt or runoff events. All discharge from disturbed areas is monitored at approved MPDES discharge points.

(4) Monitoring of Disturbed Areas

Surface water flow and quality will be monitored after disturbed areas have been regraded and stabilized in accordance with requirements of the MDEQ. Monitoring locations and frequencies of disturbed areas, including reclamation, are summarized in the MQAP and reported in the Annual Reports. Semi-annual (March and December) analyses for water samples will be submitted. An accurate record of all water pumped from the pit will be kept in a manner approved by the MDEQ.

(5) Monitoring Equipment Provisions

All equipment, structures, and other measures necessary to accurately measure and sample the quality and quantity of surface water discharge will be properly installed, maintained and operated. Upon completion of monitoring requirements, equipment will be removed and the area restored and reclaimed in accordance with the approved reclamation plan. Monitoring locations and lists of equipment used are summarized in the MQAP and submitted semi-annually in accordance with ARM 17.24.1129.

(6) Analytical Quality Control Program

The parameters analyzed for surface water quality are listed in the MQAP and Annual Reports. Tests are conducted in accordance with 40 CFR 136, "Guidelines Establishing Test Procedures for Analysis of Pollutants", as amended and the Department of Health and Environmental Sciences document entitled "Circular DEQ-7, Montana Numeric "Water Quality Standards". Single stage sediment samples are analyzed for total suspended solids only.

(7) Surface Water Monitoring Duration

Surface water monitoring will proceed through mining and continue until phase IV bond release.