

GENERAL HYDROLOGY REQUIREMENTS

(1) Minimize Disturbance and Prevent Material Damage to the Prevailing Hydrologic Balance

SCM's mining and reclamation plans will minimize disturbance to the hydrologic balance and will prevent long term adverse changes to the hydrologic system. Changes in the quantity and quality of surface and groundwater will be minimized and the post-mining land use will not be affected. Discussions of the hydrologic impacts of mining are presented in Appendix L, "Probable Hydrologic Consequences Update", Appendix I "Premine Hydrology", and Appendix J, "Postmine Hydrology".

(2) Minimization of Changes in Water Quality and Quantity and the Location of Surface Water Drainage Channels

SCM's mining and reclamation plans will minimize disturbance to the hydrologic balance and will prevent long term adverse changes to the hydrologic system. Changes in the quantity and quality of surface and groundwater will be minimized and the post-mining land use will not be affected. The extent of the changes to the hydrologic balance are addressed in Appendix L, "Probable Hydrologic Consequences Update", Appendix I, "Premine Hydrology", and Appendix J, "**Postmine** Hydrology".

(3)(a) Controlling Water Pollution

SCM's operations and reclamation plans include adequate provisions to minimize disturbance to the surface water system. Mining and reclamation operations are conducted to prevent or minimize water pollution. All discharges from the main sediment control pond will be in compliance with MDEQ regulations and the company's MPDES permit. Details of disturbed area runoff control facilities are contained in Appendix K, "Drainage Control Plan: Ponds, Impoundments and Diversions", and Appendix K-c, "Drainage Control Plan for the CAA".

(3)(b) Pollution Control Practices

Treatment of water is accomplished through the use of sediment ponds and sediment traps. Additional treatment is not expected to be necessary.

Section 17.24.631

(4) Operation and Duration of Treatment Facilities

Since pollution is controlled by treatment only, SCM will maintain the necessary facilities for as long as treatment is required.