

OTHER SUPPORT FACILITIES

(1) Design, Construction, Maintenance and Reclamation of Other Facilities to Control Water Quality and Quantity Impacts; and Property Damage

Support Facilities will be designed, constructed and located to prevent or control erosion and siltation, water pollution, and damage to public or private property. Also reference Section 17.24.608(1).

(1)(a) Design, Construction, Maintenance and Reclamation of Other Facilities to Prevent Environmental Impacts

Support Facilities will be designed, constructed, maintained and used in a manner which prevents, to the extent possible using the best technology currently available, damage to fish, wildlife and related environmental values. Also reference Section 17.24.608 (4)(a).

Mobile Fuel Island

SCM will use the best technology currently available for the mobile fuel island design. This technology includes a clay lined containment area for the single wall tank and equipment. The minimum volume of the containment area will be sized for 110% of the single wall tank volume; as well as, the volume to contain the 10 year, 24-hour precipitation event. This technology also includes installing the piping with no underground lines and the lines will not penetrate any containment berms. All piping, filters, and pumps will be contained within a clay lined area. This technology also includes a clay lined truck pad with a clay lined ditch that drains to a clay lined sump. The clay lined sump will be designed to hold a minimum of 3,000 gallons. The best technology currently available will also include operating controls. The operating controls will include a warning light indicating the fuel pump is in operation, an automatic shutoff timer, and a high pressure shut off valve. Maintaining a safe distance to drainages and water bodies will be considered in determining a suitable location for a mobile fuel island.

The Department will be notified and must approve the proposed location prior to relocating the mobile fuel island. The abandoned site will be inspected by the Department prior to removal or disturbance of surface material at the site.

Topsoil Stockpile Facilities

SCM will occasionally require use of topsoil stockpiles around active pit areas for positioning of radio relay devices and light plants. The radio relay and light plant devices are trailer-mounted units towed by pickup trucks and are either solar-powered or powered by diesel generator. The devices are used to ensure consistent communication and adequate lighting in otherwise inaccessible locations. Placement of fuel-powered light plants and radio devices on the topsoil stockpiles will be minimized in all cases.

The devices will be placed for temporary periods on topsoil stockpiles only when other locations are determined unsuitable for providing safe radio or lighting coverage. Equipment used to place and remove radio and lighting devices will be restricted to pickup trucks. Light plants powered by diesel fuel will be fueled off the topsoil stockpile footprint following standard in-pit equipment fueling protocols.

(1)(b) Design, Construction, Maintenance and Reclamation of Other Facilities to Control Suspended Solids in Runoff

Drainage planning for facilities areas includes diversion of runoff from undisturbed areas and directing the flow to Spring Creek. Drainage from inside the railroad loop and the facilities is directed to the contaminated storm drainage pond. All support facilities will be constructed and maintained to prevent additional contributions of suspended solids to streamflow or runoff outside the permit area in excess of requirements set by applicable state or federal law.

(2) Design, Construction, Maintenance and Reclamation of Other Facilities to Prevent Damage to Public Utilities

All mining operations will be conducted in a manner that minimizes damage, destruction, and disruption of services provided by oil, gas, and water wells; oil, gas and coal slurry pipelines; railroads; electric and telephone lines; and water and sewage lines which pass over, under or through the permit area, unless otherwise approved by the owner of those facilities and by the MDEQ.

(3) Approved Location and Construction of Support Facilities

No support facility will be constructed in a manner, or located, other than as indicated in the approved permit application, or otherwise approved by the MDEQ; unless specifically mentioned below.

Power lines and Substations

During the course of operations, Spring Creek will need to add/remove/relocate power lines, power poles, trail cable, and/or substations within the existing power network that services the mine. As long as these changes are within the approved disturbance limit and they do not create any new disturbance to existing reclamation, Spring Creek will not seek approval from the Department for these changes. All power line and substation construction will be in accordance with 17.24.751(2)(a).

New power line and substation construction within the approved disturbance limit will be completed so that overall disturbance is minimized [e.g. dry or frozen conditions, most direct route, etc.]. Substations will be placed in locations with minimal potential for erosion resulting from surface runoff. Where needed, soil salvage will be in accordance with 17.24.701(1). Erosion control will be in accordance with 17.24.638 and 17.24.701(3).

When removing power poles and/or substation from reclamation, care will be taken to minimize disturbance [e.g. traffic will be restricted to a single trail across reclamation, traffic will be limited to that necessary to complete the work, and work will be completed during dry frozen conditions]. Final reclamation of any power line and substation facilities will be in accordance with 17.24.313.

The locations of the power poles and substations will be periodically updated on the Mine Facilities and Reclamation Areas (Plate 6b) and Field Map (Plate 8) each year in the Annual Report on the Mining Report map.