

Section 17.24.634

RECLAMATION OF DRAINAGES

(1) Construction of Reclaimed Drainages

Reclaimed drainage basins, including valleys, channels, and floodplains will be constructed to the following:

(1)(a) Compliance

SCM will comply with the postmining topography map required by ARM 17.24.313(1)(d)(iv) and approved by the department.

(1)(b) Approximate Original Contour

Reclaimed drainage basins will approximate original contour.

(1)(c) Design of Reclaimed Drainages to Restore the Channel to its Natural Characteristic Pattern

Minor tributary drainages will be constructed according to the tables shown in Appendix J. These tables were developed using figures provided by the Department.

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(1)(d) Design and Construction to Allow the Channel to Remain in Dynamic Equilibrium With the Drainage Basin System

If major gullies form, these will be reclaimed again and if needed the drainage channel extended further up the basins to prevent a recurrence of erosion. Erosion that does occur will be prevented from reaching Spring Creek, South Fork Spring Creek, and Pearson Creek by the sediment control pond and trap system.

(1)(e) Design and Construction to Provide Separation of Flow Between Adjacent Drainages and to Pass Runoff From a 6-hour, 100-year Event

All drainage basins and channels will be designed to provide separation of flow between adjacent drainages and will safely pass the peak runoff discharge from a 100-year, 6-hour storm event.

(1)(f) Design and Construction to Provide Long Term Stability of the Landscape

Erosion will be monitored and stabilization measures will be taken if stabilization does not occur naturally. Because the MDEQ has indicated that the use of riprap is undesirable, riprap will not be used unless deemed necessary.

(1)(g) Design and Construction to Provide Average Channel Gradient

All channels within the SCM mine area will provide an average channel gradient that exhibits a concave longitudinal profile.

(1)(h) Design and Construction to Restore a Diversity of Aquatic Habitats Where Appropriate

All channels within the SCM mine area are ephemeral and therefore do not have aquatic habitats. Reclamation will focus on channel and land-form stability. Refer to Appendix J for a discussion of streamside depressional water storage features for vegetative enhancement.

(1)(i) Design and Construction to Blend With Undisturbed Drainage Systems

All channels within the SCM mine area will exhibit dimensions and characteristics that will blend with the undisturbed drainage system above and below the area to be reclaimed and that will accommodate the approved revegetation and postmining land use requirements.

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(2) Requirements For Any Permanent Structure Placed or Constructed Within a Perennial or Intermittent Stream

No permanent structures are to be placed in any perennial or intermittent stream. Spring Creek Mine has no perennial or intermittent streams within the area to be mined.