

V.A.2 Water Quality Control Plan Mined material greater than 1.6 specific gravity is considered representative of the anticipated coal waste material. Preliminary analyses (Table V-1) indicate that the coal waste material is not toxic or acid forming. Further analyses have been performed and are included in Appendix 9 of Section II.B. Since other analyses on the coal, overburden, and surface soils (see the Appendices of Section II.B, Geology Report, and Table II.1-3 of Section II.I Soils Report) do not indicate the presence of toxic or acid-forming materials, runoff from the coal waste banks, the disturbed areas or the exteriors of the surface facilities are not expected to have objectionable characteristics other than excess suspended solids. Groundwater seepage is not expected to have any objectionable characteristics.

Runoff from storms equal to or less than a 10-year, 24-hour design storm is treated in sedimentation ponds designed in accordance with Section 4.05.6 as discussed in Section V.B-2. The mine drainage plan, including all sedimentation control facilities, is presented on Maps 23, 24, 25, 26, 27, 32 and 35 ("D" Portal), Maps 86 and 89 (Ventilation Entry), Maps 76, 77, 77A, 78, 79, 80, 162 (Refuse Disposal Area), 163 (Red Wash Drainage), Map 165 (Refuse Area 2345 Preliminary Plan) (Map 103 (Railroad Loading Area) and Map 155 (Railroad Loop Area).

Sedimentation control measures for roads and other facilities not requiring special ponds include the installation of one or more of the following:

- sumps
- straw/hay filters
- silt fence
- culverts
- check dams including French berms and drains
- lining of ditches
- surface roughening
- gravel armoring
- road outlet structures
- interim or concurrent reclamation of disturbed slopes

Mine openings are located, designed and constructed to prevent the gravity discharge of water from the mine. Mine openings will be sealed during reclamation as indicated in Section V.F, "Sealing of Mine Openings and Drill Holes."

The process water system is designed to be essentially closed. Process water ponds are lined to prevent seepage. An emergency overflow pond is provided to catch drainage from a catastrophic