Excavation Construct King III Portals at the Coal Seam Outcrop Along the East Side Slope

Technical Revision TR-29 proposes to construct three King III portals and access roads at the coal seam outcrop, along the east side slope above the stacker and south edge of the topsoil pile.

An access road, along with buried utility lines, will be continued from the northwest corner of the Substation and around the north side of the #2 Stacker coal pile to connect with the aforementioned portal access roads (See maps King II-007, King II-007A and King II-007M). This road lies within previously disturbed areas. Vegetation and reclamation are discussed elsewhere in this document.

KING III MINE BENCH

The surface disturbed area includes the surface facilities area, the mine bench and the access road to the mine bench. TR-29 would add an additional 2.15 acres to the King II mine disturbed area. Total disturbed acreage after TR-29 construction is estimated to be 25.21 acres. All surface facilities for the support and processing of coal are constructed as shown on map King II-007 (TR-29 PAR) (Operations Plan and Surface Features Map). No surface mining operations exist on the project area; all coal extraction activities are to be confined to the underground King II & King III Mine. Map King II-007 (TR-29 PAR) shows the operations area which includes the original and the King III mine benches.

A stable sloped highwall is cut to provide a bench for the portal areas. The highwall is at the outcrop of the coal seam being mined. Material excavated to construct the portal face-up and access roads will be used to level the mine bench and provide cut/fill material. The highwalls, access roads and drainage features are shown on map King II-007 (TR-29 PAR) and are included within the boundaries of the surface disturbed area of 25.21 acres. TR-29 access road designs are shown on map King II-007M (TR-29 PAR).

Spoil material from the earth worked areas will remain in the general facilities area in the west drainage area for use as fill. Diversion channels (See Maps King II-007 (TR-29 PAR), A (TR-29 PAR), B, & C) divert the up-slope runoff around the disturbed areas. The reclamation plan calls for utilizing the soil stored in the Bermed Topsoil Storage areas for re-vegetating these areas upon abandonment of the mine.

Maps King II-007 A thru G show the runoff flows in the mine plan area and the permit area. Sediment pond design, drainage plans and designed hydraulic structures located within the project area are certified by a professional engineer. These certifications are included in Appendices 10 & 11. Revised hydrology tables and SEDCAD models are included as Appendices 11(1) thru 11(1G).