

Old Barn Staging Area and Access Road

Technical Revision TR-30 proposes to use an area surrounding the ‘old barn’, located 0.86 miles east on County Road 120 of the King II mine site driveway, as a staging area (Old Barn Staging Area) for materials and equipment to be used during a Low-Cover Crossing construction project located within OSMRE permit CO-0106C. Also, TR-30 proposes to use the existing two-track road which extends from the barn to the north boundary of Section T36N R12W, N.M.P.M (CDRMS permit boundary C-1981-035/OSMRE permit boundary CO-0106C) as an access road to the aforementioned construction project. This road is an historic access to adjacent properties and will not be reclaimed at the termination of the construction project.

Surface drainage features for the Old Barn Staging Area and two-track road segment are shown on Map King II-007N Ranch (Barn) Road Profile (TR-30), and King II-005 Mine Plan (TR-30).

General layout of the area, including a truck turn-around area and a potential topsoil storage area, can be found on Map King II-007N.

GCC will be taking the following measures to ensure compliance with Rule 4.03.2:

- In order to prevent further erosion and to protect the hydrologic balance, road drainage will be directed along the existing scoured surfaces toward filter check dams using straw waddles and silt fences that reduce overland flow velocity and trap sediment.
- Water bars will be reestablished at key grade breaks to route water off of the road. Waddles and silt fences will be strategically placed between water bars in areas where erosion is possible.
- The road surface will be improved using road base and gravel to allow for safe and efficient travel of articulated haul trucks, concrete trucks and various support pickup trucks. It will be re-shaped and cross-sloped into the toe of the hill and compacted. Gravel will be placed in soft areas that may turn slippery during inclement weather conditions.
- Manufacturer’s recommended ascent and decent speed limits for maximum grades will not be exceeded. Equipment rating details and manufacturer specifications are included in Appendix 10(3), “Low Cover Crossing Access Road Vehicle Grade and Speed Ratings (TR-30)”.
- No additional disturbance is proposed by GCC Energy.
- There are no stream crossings along the access road so no culvert installation is proposed at this time.
- Travel will be restricted to one-way along the narrowest segments, to be managed using radio communication control.
- Road surfaces will be kept damp with water and dust control treatments while in use.

Reclamation of the area is addressed in section 2.05.4 of this document.