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September 7, 2000

TO: Internal File

THRU: Paul B. Baker, Team Lead

FROM: Priscilla W. Burton, Soils Reclamation Specialist

RE: Miller Canyon Portal Phase III Bond Release, PacifiCorp, Cottonwood / Wilberg Mine, ACT\015\019-BR99D

**SUMMARY:**

The three Miller Canyon intake portals were developed in October of 1981. They are located on steep rock outcrops. The portals have been permanently sealed since 1987. Portal #1 discharges water occasionally and is the site of a UPDES Permit. The total acreage of the portals is 0.02 acres, each portal is 8 x 20 ft. PacifiCorp reclaimed the Miller Canyon portals in late June of 1999.

Since the site was seeded in late June, this project should be monitored closely for germination success and if necessary, a follow-up seeding should occur this fall to take advantage of the meager precipitation during late fall, winter and early spring.

**TECHNICAL ANALYSIS:**

**RECLAMATION PLAN**

**TOPSOIL AND SUBSOIL**

Regulatory Reference: 30 CFR Sec. 817.22; R645-301-240.

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TECHNICAL MEMO

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**Analysis:**

Table 8 of Appendix XX clearly indicates that there is very little precipitation in June and July. The best time to conduct this reclamation would have been in September or October, when precipitation increases. The reclamation and seeding were conducted June 22 - 26, 1999, If the seeding fails than it should be repeated this fall.

After seeding, hay mulch with netting or an erosion control blanket should be applied to the soil as described on page 4-20, Part 4 of the MRP.

**Findings:**

The permittee must provide the following, prior to approval, in accordance with the requirements of:

**R645-301-354**, If seeding has failed, please reseed in late autumn of 2000.