

June 16, 1983

Memo to Coal File:

RE: Raptor Protection
Convulsion Canyon Mine
ACT/041/002
Folder No. 13
Sevier County, Utah

On June 15, 1983 Lynn Kunzler, Mary Boucek and Joe Helfrich of the Division, and Ron Joseph of the U. S. Fish and Wildlife Service met with Mike Davis of SUFCO.

The purpose of this visit was to inspect powerpoles for compliance with UMC 817.97 (c) as per the Division's February 26, 1982 letter.

SUFCO has installed perches on all of their powerpoles which meet the design criteria of the REA 61-10 Bulletin. Consequently, it was determined that SUFCO is in compliance with UMC 817.97 (c).


LYNN KUNZLER
RECLAMATION BIOLOGIST

LK/lm

cc: Joe Helfrich, DOGM
Mary Boucek, DOGM

Statistics:

Vehicle: EX #45428 - 564 miles
Per Diem: 3 persons x 1 day, 6.5 hours = \$150.00

#13

SUFCA VEGETATION REQUIREMENTS

Suggested Steps in Preparing Vegetation Information -
From Vegetation Information Guidelines

Reference Area Method - Existing Mine

Step 1 - Such a map exists already; however the applicant has indicated that this map will be ground-truthed in 1983. A new map may need to be submitted.

Step 3 - Acreage of each vegetation type that has been disturbed must be clarified as discussed in the Division's Determination of Completeness Document, section UMC 783.19.

Steps 4 & 6 - For each vegetation type with at least 1 acre of disturbance, representative reference areas (RA) of at least 1 acre should be permanently staked and random sampling for vegetation characterization should be done within vegetation type boundaries. Cover by species, total cover (not to exceed 100%) and woody plant density measurements must be randomly sampled for in each vegetation type for which an RA is set up. Sample adequacy must be demonstrated for all cover and density (see definition, Guidelines p. 5). Productivity measurements do not need to be taken at this time, however, a statement of productivity (preferably a letter from the Soil Conservation Service) is required at this time.

Basically, for an existing mine wanting to use the reference area method, steps 4b, c, d, e, and all of step 6 should be followed. However, separate measurements from inside and outside of the RA are not needed.

Please note the requirements of step 10.

Complete revegetation plans must be proposed for each disturbed vegetation type for which an RA is set up. These should include: seed mix(es) and rate of seeding in Pure Live Seed (PLS) per acre, or stocking rate (seedlings/acre) for shrub plantings; seedbed preparation; seeding and planting techniques; mulching, irrigation, and fertilization methods, amounts, and frequencies or duration. Season of seeding or planting, and configuration of shrub plantings should also be indicated. Please note the restrictions of UMC 817.112 regarding the use of introduced species.

SCL/lm