

September 14, 1983

Memo to Coal File:

RE: One Week Extension for
Company Response to Special
Stipulations
Plateau Mining Company
Star Point Mines
ACT/007/006
Folder Nos. 4 and 13
Carbon County, Utah

On September 13, 1983, Mr. Ben Grimes of Plateau Mining Company called the Division requesting a one (1) week extension of time to respond to the remaining "Special Stipulation" deficiencies as outlined by Division letter dated August 16, 1983. The letter required a response to the deficiencies by September 16, 1983.

The company has completed their responses to most of the stipulation requirements, but have had to interrupt completion of the responses to develop plans to address a number of recent NOV's.

Given these circumstances, the company was given verbal approval for a one (1) week extension for response until September 23, 1983.

D. WAYNE HEDBERG *DWH*
RECLAMATION HYDROLOGIST

DWH/btb

cc: Ben Grimes, Plateau Mining Company
J. Smith, DOGM
D. Lof, DOGM
T. Portle, DOGM

SPECIAL STIPULATION NO. 10

Response

A. A revised seed list for the Douglas Fir type is proposed as follows:

| | <u>Pounds PLS/Acre</u> |
|------------------------------------------------------|------------------------|
| <u>Grasses</u> | |
| Mountain Brome (<u>Bromus marginatus</u>) | 2.00 |
| Slender Wheatgrass (<u>Agropyron trachycaulum</u>) | 2.00 |
| Sherman Big Bluegrass (<u>Poa ampla</u>) | 2.00 |
| Regar Meadow Brome (<u>Bromus biebersteinii</u>) | 2.00 |
| | <hr/> 8.00 |
| <u>Forbs</u> | |
| Utah Sweetvetch | 1.00 |
| Pea Vine | 1.00 |
| Alsike Clover (<u>Trifolium hybridum</u>) | 0.50 |
| Blue Flax (<u>Linum lewisii</u>) | 0.25 |
| Rocky Mtn. Penstamon (<u>Penstemon strictus</u>) | 0.25 |
| Western Yarrow (<u>Achillea millefolium</u>) | 0.25 |
| Alfalfa Burnet (<u>Sanguisorba minor</u>) | 1.00 |
| Sweet Anise (<u>Osmorhiza occidentalis</u>) | 0.25 |
| | <hr/> 2.25 |
| <u>Shrubs</u> | |
| Douglas Fir (<u>Pseudotsuga menziesii</u>) | 7.00 |
| Golden Currant (<u>Ribes aureum</u>) | 1.00 |
| Woods Rose (<u>Rosa woodsii</u>) | 1.00 |
| Blue Elderberry (<u>Sambucus cerulea</u>) | 1.00 |
| | <hr/> 10.00 |

B. PMC proposes the following reclamation performance standard for woody plant density. The target density is 900 stems per acre on all south and west facing slopes and 2,200 stems per acre on north and east facing slopes.

Special Stipulation No. 10 - Response B. (Cont.)

This standard is based on the woody plant densities found on the Topsoil Reference Area which was established under the field supervision of DOGM in order to determine the reclamation success standards for the refuse pile expansion area. The location of the reference area is shown as the Pinyon-Juniper reference area on the attached vegetation map2. A summary of the data is included in the current submission of the attached PMC response to Special Stipulation No. 6-14-82-4-LK.

Spatial distribution of the woody plants will be random across the landscape with the exception of clump planting of seedlings and mature shrubs and trees in the central area of the refuse pile. Mature transplants, composed of serviceberry and young pinyon pine and Utah juniper, will be transplanted using a front-end loader. The hand planted seedlings will be composed of serviceberry, curlleaf mountain mahogany, Utah juniper, golden currant, and mountain big sagebrush. Clumps will occupy approximately 225 square feet and will be arranged randomly about 150 feet apart and placed no further than 400 feet from the upper slope of the refuse pile. The purpose of the clumps and their position relative to the outslopes is to provide security and escape cover for large game animals that use the area.

Seedlings of reclaimed sites will be accomplished using both drill and broadcast methods. Where shrub seeds are to be drilled, they will be planted in a separate application in drill rows that diverge with those of the grasses. By planting the shrubs in the interspaces between grass rows, competition between grasses and shrubs will be reduced and shrub establishment enhanced. At the estimated establishment rate of one shrub per 1,000 PLS (personal communication with DOGM), the approved seed mixture presented in Attachment 4 of the August 18, 1982 PMC submission to DOGM of responses to Special Stipulations relative to Permit ACT/007/006, Star Point Mines Mining and Reclamation Plan, should produce approximately 1,291 shrubs per acre. This figure should significantly be increased where shrubs are seeded separately from grasses or where all seeds are broadcasted.

If, during the monitoring of the revegetated sites, a deficiency in the woody plant performance standard is observed, PMC will confer with DOGM in implementing corrective action.