

**From:** Jerriann Ernstsens  
**To:** John Gefferth  
**Date:** 3/30/04 4:20PM  
**Subject:** FYI

John,  
Just a few veg-related reminders:

**4 phase veg plan: taken from a previous TA**

*The Permittee agreed to submit a full scope of work for this 4 phase veg study by the end of March 2003 (Chapter III, Page 4b). We have only received scope of work for Phase I. Patrick worked on Phase I during 2003 summer. We should receive the results in fall 2003.*

*Patrick and I would then move to planning for Phase II. The Permittee will monitor reclaimed sites that are part of the vegetation requirement. Monitoring data will coincide with precipitation data results obtained from an on-site weather station. The Permittee will submit results and analysis in annual reports.*

FYI: Phases

- I. Investigate/evaluate and summarize past reclamation sites (Emery and other similar mine sites).
- II. DOGM and consultant will develop a "best techniques" protocol for Emery. The Permittee will implement the protocol during intermittent or contemporaneous final reclamation. Changes to seed mixes may arise from this step.
- III. Evaluate
  - a. Qualitative = annually
  - b. Quantitative = 4th and 6th year after implementation of best techniques.
- IV. Revise MRP to include successful techniques.

We have not received Phase I information from Patrick, yet. The last I heard he was still working on the Phase I.

**Interim seed mix:**

The Division recommends using the native seed mix listed on VIII pg 20. This mix will help build a desired seed bank in the topsoil pile that may provide viable seeds for reclamation. This mix was used in the disturbed area along the fence last August. The mix has the following species: Blue grama, Thickspike wheatgrass, alkali sacaton, winterfat, fourwing saltbush, globe mallow, and shadscale.

Get back with me if you have any questions.

Thank you,  
Jerriann

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