

0061

CONSOL Energy Inc.

Emery Mine

P.O. Box 527
Emery, Utah 84522

*Incoming
12/015/015*

OK

FACSIMILE

Copy Susan done

DATE 12-4-02

From:

Employee:

Tim Kirschbaum

TO:

Name:

Susan White

Department:

DOG M

Location:

SALT LAKE COB

No. of Originals

1

Special Instructions:

*Some working changes may be needed. I really have
not proof read since I wrote it at approx. 11:00 pm last night*

It's a work in progress.

EMERY MINE FAX # 435-286-3516
OFFICE # 435-286-3506

RECEIVED

DEC 11 2002

DIV. OF OIL, GAS & MINING

The following plan shall be implemented to ascertain the effectiveness of reclamation practices and procedures in establishing vegetation for both interim and final reclamation.

The plan consists of four (4) major steps:

Step 1)

All current topsoil and subsoil stockpiles associated with the Emery Mine shall be evaluated for:

- a) cover, diversity and density of vegetation.*
- b) chemical and physical analysis of soils for pH, electrical conductivity, available potassium and phosphorus, total nitrogen and texture (silt, clay and sand).*

All areas where reclamation has been performed such as boreholes, borrow sites and old portal area shall be evaluated for cover, diversity and density of vegetation. Past reclamation practices conducted on these sites shall be evaluated for the effectiveness of the reclamation.

The Hidden Valley mine site will have vegetation counts performed on the "D" seam slope. Evaluation of the Hidden Valley site will compare the reclamation practices conducted in 1999 on the "B" seam to the original reclamation performed on the "A" seam slope.

These sites shall also evaluate how mulch was utilized in the reclamation activity.

Site visits shall be conducted to other reclaimed mine sites to review other reclamation practices.

Field evaluation of these sites shall be conducted by May 2003 and findings completed prior to July 2003.

Step 2)

Based on the findings under Step 1, plans shall be developed to enhance and improve the interim or final vegetation of unacceptable reclamation sites. The developed plans should consider and promote surface roughening, reconfiguration of stockpiles, use of warm season grasses and forbs, use of mulch cover (which may include rock), and possible irrigation and water harvesting.

The areas to be affected under this procedure should be performed and completed by July 2003.

Step 3)

All sites shall be re-evaluated in the fifth year (2008).

Step 4)

Based on the five year evaluation of reclamation methods, a final reclamation plan should be developed for the entire mine site. The reclamation plan is to utilize the best reclamation practices as determined under this study.

Inserted 10/2002