

### Document Information Form

Mine Number: C/015/019

File Name: Internal

To: DOGM

**From:**

Person N/A

Company N/A

Date Sent: MAY 6, 1980

**Explanation:**

Memo ID Coal File.

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cc:

File in: C/005, 019, Internal

- Refer to:
- Confidential
  - Shelf
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Date \_\_\_\_\_ For additional information

May 6, 1980

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Memo to Coal File:

RE: Utah Power & Light Co.  
Cottonwood Portal  
Emery County, Utah  
ACT/015/027

On April 30, 1980, Tom Suchoski of the Division staff contacted Mr. Keith Kirk of the Office of Surface Mining to discuss the slope stability at the Utah Power and Light proposed Cottonwood Portal. This was in response to the Office of Surface Mining violation issued by Mr. Larry Damrau indicating that the disturbance at the Cottonwood site was considered by the Office of Surface Mining to be a mining operation and as such was in violation on several points. The violation cited was 30 CFR 717.14(c) which required that the fill material from the disturbance be constructed and stable in accordance with 717.14(a)(1). As such the purpose of the call was to determine from the Office of Surface Mining the requirements of the violation ie., work perimeters were necessary to determine stability.

The following tests were indicated to Mr. Gurr to be required of Utah Power and Light:

1. Determine strength of materials. Mr. Kirk indicated that this would depend upon the amount of rock in the fill slope, if it were greater than 20% the angle of repose must be determined.

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2. Determination of density of material.
3. Determine the permeability whether or not saturation of material occurs.
4. Discussion of the rock type change, the mixing of sandstone and mudstone materials. These factors were to be worked into a stability analysis using the slope determination and to indicate a safety factor of 1.5 or greater and if it were below 1.5 safety factor that a recommendation as to how to bring the stability of the slope up to 1.5. Mr. Kirk indicated that if there were any further questions, we should contact him as he will be the technical person handling this.

THOMAS J. SUCHOSKI <sup>TJ</sup>  
ENGINEERING GEOLOGIST

TJS/te

cc: Mr. Don Crane, O.S.M.