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1407 West North Temple  
P.O. Box 899  
Salt Lake City, Utah 84110

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JUN 17 1988

DIVISION OF  
OIL, GAS & MINING

June 17, 1988

Mr. John Whitehead, Permit Supervisor  
Division of Oil, Gas and Mining  
State of Utah  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

Re: Amendment to Develop the Eighth East Panel,  
Cottonwood/Wilberg Mines, Utah Power & Light  
Company, ACT/015/019-88C, Folder 2,  
Emery County, Utah

Dear Mr. Whitehead:

In regards to UP&L's May 24, 1988 request to mine under the  
Castlegate Sandstone outcrop in the 8th East panel and Division  
requests as outlined by Rick Smith, please find three (3) copies of  
the following information:

- 1) Drawing CM-10651-C1 "Raptor Nest Locations Above 6th,  
7th and 8th East Longwall Panels". This map has been  
updated with the mine plan shown on map CM-10747-WB of  
the approved Deer Creek permit.
- 2) A plan for monitoring subsidence, including monument  
surveying and photography of cliff faces.
- 3) A discussion of cliff failure impacts.

Upon approval by the Division map CM-10651-C1 will be  
inserted into the permit and required copies submitted to the  
Division. Also, items 2 and 3 can be appropriately inserted into  
the permit as requested by the Division.

Sincerely,

A handwritten signature in cursive script, appearing to read "David Smaldone".

David Smaldone  
Director of Permitting,  
Compliance & Services  
Mining Division

DS:bb:5992  
Enclosure

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DIVISION OF  
OIL, GAS & MINING

DATE: June 6, 1988  
TO: David Smaldone  
FROM: Val Payne *VP*  
SUBJECT: Response to Memo from Rick Smith to John Whitehead  
May 27, 1988, regarding Eighth East Proposal

Item 2:

The current monitoring plan for Newberry Canyon will be expanded to include the area which overlies the Eighth East panel.

A reflector prism will be installed above the Castlegate outcrop, in this area, during the summer of 1988. Survey monitoring will be conducted, as described in the existing monitoring plan, during extraction of the Eighth East panel.

Photo-documentation, similar to that previously completed, in Newberry Canyon, will be conducted during panel extraction. This will require establishment of an additional photo station during the summer of 1988.

A report summarizing the data will be submitted to the Division within thirty (30) days following completion of panel extraction. Additionally major subsidence events which result in significant impacts will be reported immediately to the Division.

Item 3:

Previous data collected in Newberry Canyon indicates that the potential exists for cliff failure impacts to occur when the Castlegate sandstone outcrop is undermined. However, monitoring in Miller Canyon, where longwall mining occurred within approximately 400 feet of the Castlegate, indicates no subsidence related impacts. The proposal to begin longwall mining directly beneath the Castlegate in Eighth East panel offers the opportunity to develop additional data concerning the impacts of mining.

The Eighth East panel is located in what is described by Seegmiller (Surface Stability Evaluation 6E/7E and 9W/10W Panels, Cottonwood Mine, Emery County, Utah, Seegmiller International, November 1987) as a "Minimal Damage Zone". The Eighth East proposal, therefore, offers the opportunity to evaluate this report conclusion.

Environmental resources of primary concern, in the Eighth East area, include a single golden eagle nest and a population of Hedysarum occidentale var. canone of undetermined size. The eagle nest (61c) is included in the existing monitoring study and is covered by the existing USFWS take permit.

The Hedysarum population will be inventoried during the 1988 growing season. Therefore, data will be available, prior to panel extraction, to facilitate assessment of cliff failure impacts if they occur.