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**Southern Utah
Fuel Company**

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Subsidiary of
Coastal States
Energy Company

RECEIVED

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DIVISION OF OIL
GAS & MINING

June 21, 1985

Mr. D. Wayne Hedberg
Permit Supervisor/Reclamation Hydrologist
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

Dear Mr. Hedberg:

RE: M&RP Amendments Substation Upgrade and Previously Approved Coal Pad
Storage Facilities

The Division's request for reformatting the above amendments previously submitted on May 8, 1985 is enclosed. The format is as described in Dr. Nielson's May 6, 1985 letter with pages to be inserted in the PAP.

As previously stated, the substation upgrade approval is needed urgently to allow us to modify the electrical substation for needed 69 kV service. Please insert pages 183-1 and 183-2 covering the substation modification behind page 183 in Volume 3 of the PAP along with drawings 85-3, 85-4, and 85 Elect 114B.

The reclamation cost estimate for the previously approved coal storage pad has been added to the revised pages 211 and 213 included for insertion into Volume 3 of the PAP. The coal storage pad will consist of a 106' x 50' concrete pad with a 12' high containment wall on the back and sides.

Maps 83-2, 80-4a, and 80-4b have been updated to reflect the addition of the substation modification, the coal storage pad, and the stoker reclaim belts. Please replace Maps 80-4a and 80-4b in Volume 3 and Map 83-2 in Volume 8 of the PAP

Sincerely,
SOUTHERN UTAH FUEL COMPANY

Wesley K. Sorensen
Chief Engineer

WKS:cfc

Enclosures

SUBSTATION MODIFICATION:

The modification project will consist of replacing the existing 25 kV/12.5 kV transformer with a 69 kV/12.5 kV transformer and expanding the existing fenced perimeter to gain required safety clearances. In addition, a grounding grid will be buried inside the fence and eight feet outside the conductive segments of the fence to conform with Utah Power and Light Company's current substation safety requirements (drawing 85 Elect 114B). The total area affected is within the disturbed area previously calculated for bonding; therefore, no additional reclamation cost is anticipated. See Map 85-4. Reclamation will be in accordance with the Consolidated Reclamation Plan provisions submitted to the Division on 4 April 1984, Volume 8.

To eliminate installing the ground grid on the slope of the hill, the current east and south fences will be replaced with nonconductive fences (drawing 85-3, Substation and Fence Layout). The south fence will be moved out an addition 5.5 feet from the substation pad to meet the minimum required distance of UP&L's code specifications for 69 kV power service. This will require excavating the bottom of the hillside on the southeast corner of the present substation. The cut slope will be moved back eight feet and will be reestablished at the present 1.5 to 1 slope.

The upper 6" of the soil material (topsoil) from the cut extension above the present substation slope will be collected at the top of the slope. After the slope has been cut back and reestablished, this topsoil will be distributed over the top of the new slope using a track backhoe. The estimated total volume of material to be excavated from the slope is 770 cubic yards. The excavated material will be used to repair the slope above the tire storage area where it has subsided and to build up the area north of the substation. The interception ditch used to bypass the undisturbed runoff from the area upslope of the substation pad will be reconstructed on the backside of the nonconductive fence from the bypass culvert drain on the north side of the substation to the undisturbed runoff interception ditch along the East Side road on the south side of the substation. Drainage area flow and ditch sizing calculations in our PAP, Volume 8, pages 41h-5 will still apply. See Map No. 83-2 in Volume 8 for diversion routing.

Should slope failure occur on the extended cut slope, stabilization measures will be implemented within 60 days of receiving regulatory approval, weather permitting.

The drop drain inside of the substation area will be removed or plugged off. As before, the entire substation area will be covered with a minimum of four inches of one to two-inch coarse gravel to inhibit vegetation growth on, and sediment contribution from, this area. The slope will be revegetated with the approved SUFCo reclamation seed mix during late fall. We still wish to maintain the small area exemption status for this area. A containment berm 6" high will be included around the fence to prevent flow of transformer oil away from the site in the event of an accidental spill. The new transformer contains 1500 gallons of oil. The surface area inside of the berm is 3,218 square feet not including the concrete pad which would only require a depth of 3/4 inch to contain an accidental oil spill. The spill would be cleaned up as outlined in our Spill Prevention Control and Countermeasure Plan.

During construction, it will be necessary to change the transformers at the substation which will require dragging them up and down the East Side road on a skid with two track bulldozers. This process may cause temporary damage to the drainage ditch along the road. If such damage occurs, it will be repaired immediately and to the standards required in our PAP. Any new power poles of Southern Utah Fuel Company will be equipped with raptor protection per our PAP and REA Bulletin 61-10. Existing poles have already been so equipped, inspected, and approved by the regulatory authority.

COMMENT 784.13(b)(2)

(Section I)

Detailed estimate of reclamation cost - none is listed, but with deferment of reclamation due to long life of mine, meeting this requirement can be done as mining cessation approaches.

RESPONSE:

The following information is a list of the estimated reclamation costs for the Southern Utah Fuel Company mine.

SALVAGING AND DIRTWORK

<u>Description</u>	<u>Amount</u>	<u>Unit Cost</u>	<u>Subtotal</u>
Foundation Removal	950/yd ³ (est.)	\$55.00/yd ³	\$ 52,250
Building Removal			
Shop	11,000/ft ²	\$ 1.00/ft ²	11,000
Warehouse	4,500/ft ²		4,500
Offices	9,000/ft ²		9,000
Garage	580/ft ²		580
Storage Shed	2,000/ft ²		2,000
Misc. Structures	5,000/ft ²		5,000
Coal Handling Structures			
(Steel & equipment removal)	375/ton	\$10.00/ton	3,750
Coal Storage Pads	324/yd ³ (est.)	\$55.00/yd ³	17,820
Asphalt Removal	1,780/yd ²	\$ 2.50/yd ²	4,450
Dirtwork-Cut & Fill	413,000/yd ³	\$ 1.50/yd ³	619,500
			\$729,850
TOTAL			

FINAL RECLAMATION OF MINESITE

Total number of acres to be disturbed requiring reclamation: 20.88 acres

Ripping - 20.88 acres x \$2,000/acre	\$ 41,760
Topsoil addition - 20.88 acres x \$2,200/acre	45,936
Fertilization - 20.88 acres x \$300/acre	6,264
Seeding - 20.88 acres x \$500/acre	10,440
Moisture retention - 20.88 acres x \$1,000/acre	20,880
Maintenance & monitoring - 20.88 acres x \$1,000/acre	<u>20,880</u>
	\$146,160

TOTAL COST

Salvaging and Dirtwork	\$729,850
Reclamation Activities	<u>146,160</u>
	\$876,010

