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File: ACT/041/002
#3 & 15 w/map

Southern Utah
Fuel Company
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Salina, Utah 84654
(801) 529-7428
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Subsidiary of
Coastal States
Energy Company

RECEIVED
MAY 10 1985
DIVISION OF OIL
GAS & MINING

May 8, 1985

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

Dear Mr. Hedberg:

SUBJECT: SUBSTATION MODIFICATION

We herein request Division approval to upgrade our existing substation for a 69 kV power supply and to make changes necessary to conform to Utah Power and Light Company's current substation safety requirements. We believe the request can be processed and approved as a minor modification to our Mining and Reclamation Plan. To ensure power will be available for a planned conversion to longwall mining methods this fall, the modification to the substation must be made this coming summer.

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 and is shown on the enclosed topographic map number 85.4.

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 topsoil from the cut extension above the present substation slope will be collected at the top of the slope. The estimated volume of topsoil is 19.4 cubic yards from a four inch depth over 1,570 square feet of surface area. 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 M&RP, Volume 8, pages 41h-5 will still apply. A revised diversion map to replace Map No. 83-2 in Volume 8 is included in this submittal.

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 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 M&RP.

Please insert this request as an addendum in the back of Volume 8 of our M&RP and replace Map number 83-2 in Volume 8 with the revised map included with this modification submittal.

Sincerely,
SOUTHERN UTAH FUEL COMPANY

Wesley K. Sorensen

Wesley K. Sorensen
Chief Engineer

MD:cfc

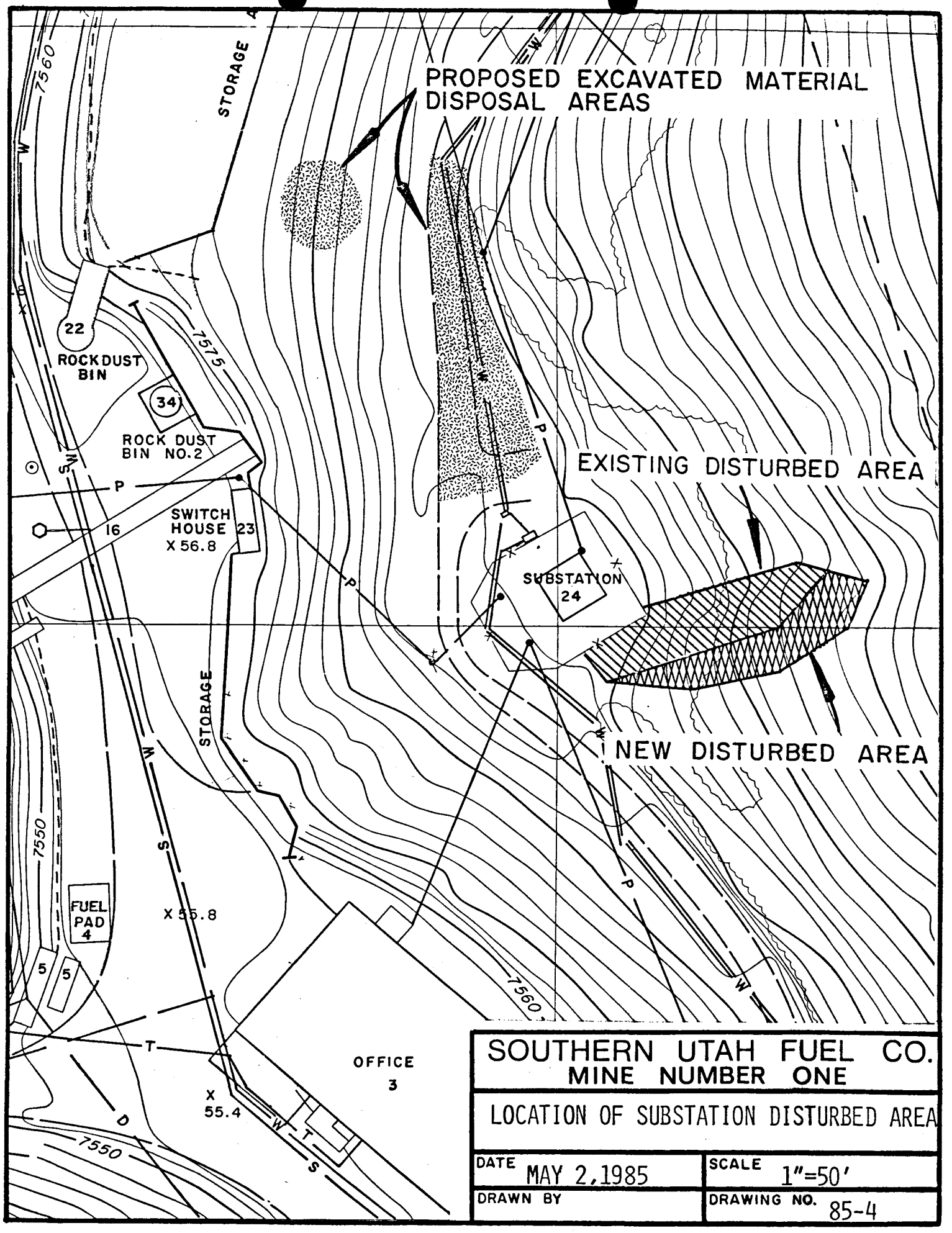
Enclosures

xc: Mr. Charles R. Allred
District Ranger
Fishlake National Forest

Mr. Reed Christensen
Supervisor
Manti-LaSal National Forest

Mr. John Neibergall
District Ranger
Manti-LaSal National Forest

Sevier County Courthouse
Richfield, Utah


PROPOSED EXCAVATED MATERIAL DISPOSAL AREAS
EXISTING DISTURBED AREA
NEW DISTURBED AREA
STORAGE
STORAGE
ROCKDUST BIN
22
ROCK DUST BIN NO.2
34
SWITCH HOUSE 23
X 56.8
16
SUBSTATION 24
FUEL PAD 4
X 55.8
5
5
OFFICE 3
X 55.4
7560
7575
7550
7550
7560
SOUTHERN UTAH FUEL CO.
MINE NUMBER ONE
LOCATION OF SUBSTATION DISTURBED AREA
DATE MAY 2,1985
SCALE 1"=50'
DRAWN BY
DRAWING NO. 85-4