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PACIFIC POWER • UTAH POWER

324 South State
P.O. Box 26128
Salt Lake City, Utah 84126-0128

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ELECTRIC OPERATIONS GROUP

ACT/015/018 # 6
Copy Jesse, Henry

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DIVISION OF
OIL, GAS & MINING

February 20, 1991

Ms. Pamela Grubaugh-Littig
Permit Supervisor
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

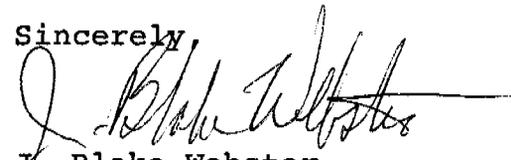
RE: ANALYTICAL REPORT/DEER CREEK WASTE ROCK SAMPLES

Dear Ms. Grubaugh-Littig:

Please find enclosed a copy of the analytical report for waste rock samples collected July 20, 1990. The report was received on February 11, 1991. The parameters comply with the Deer Creek Waste Rock Facility permit.

If you have any questions, please call Guy Davis at 653-2312 or myself at 220-4584.

Sincerely,



J. Blake Webster
Permitting Administrator

GD/do
Enclosure

cc: File



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FEB 25 1991

CORE LABORATORIES

**DIVISION OF
OIL, GAS & MINING**

LABORATORY TESTS RESULTS
02/01/91

JOB NUMBER: 902827		CUSTOMER: UTAH POWER & LIGHT COMPANY		ATTN: ACCTS PAYABLE	
SAMPLE NUMBER: 1	DATE RECEIVED: 09/07/90	TIME RECEIVED: 00:00	SAMPLE DATE: 07/20/90	SAMPLE TIME: 00:00	
PROJECT: P. O. JS317496	SAMPLE: BAG 1		REM: DEER CREEK WASTE ROCK SITE		
SAMPLE NUMBER: 2	DATE RECEIVED: 09/07/90	TIME RECEIVED: 00:00	SAMPLE DATE: 07/20/90	SAMPLE TIME: 00:00	
PROJECT: P. O. JS317496	SAMPLE: BAG 2		REM: DEER CREEK WASTE ROCK SITE		
SAMPLE NUMBER: 3	DATE RECEIVED: 09/07/90	TIME RECEIVED: 00:00	SAMPLE DATE: 07/20/90	SAMPLE TIME: 00:00	
PROJECT: P. O. JS317496	SAMPLE: BAG 3		REM: DEER CREEK WASTE ROCK SITE		
SAMPLE NUMBER: 4	DATE RECEIVED: 09/07/90	TIME RECEIVED: 00:00	SAMPLE DATE: 07/20/90	SAMPLE TIME: 00:00	
PROJECT: P. O. JS317496	SAMPLE: BAG 4		REM: DEER CREEK WASTE ROCK SITE		

AMENDED REPORT

TEST DESCRIPTION	SAMPLE 1	SAMPLE 2	SAMPLE 3	SAMPLE 4		UNITS OF MEASURE
Calcium Carbonate (CaCO3)	17.42	33.41	15.70	22.84		% by wt.
pH	8.0	7.9	7.1	7.4		pH units
Electrical Conductivity	1330	602	4750	2630		umho
Pyrite Sulfur	0.168	0.052	0.071	0.099		%
Organic Sulfur	<0.01	<0.01	0.291	0.022		%
Non-Sulfate Sulfur	0.168	0.052	0.362	0.121		%
Sodium Absorption Ratio	2.67	2.82	5.05	12.03		
Rock Fragments	90.56	87.39	62.87	66.09		% by wt.
Saturation %	20.92	16.74	21.86	19.87		%
Boron	0.8	1.0	3.2	0.9		ppm
Selenium	0.01	0.01	0.01	0.05		ppm

* - USDA soil class was not run. It is not a valid test for rock samples.

APPROVED BY: Ronald L. Hunt

420 West First Street
Casper, WY 82601
(307) 235-5741

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