

Ken Payne
Vice President & General Manager



**Southern Utah
Fuel Company**

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file
ACT/041/002

Subsidiary of
Coastal States
Energy Company

#3

Copy to Sue,
Doug M., Rick
Ken

February 7, 1983

JIM

FEB 09 1983

Mr. James W. Smith
Division of Oil, Gas and Mining
4241 State Office Building
Salt Lake City, Utah 84114

RE: Storage Area Modification Responses

Dear Mr. Smith:

Concerning the provisions in the Division's approval letters on our storage area modification dated December 14, 1982 and January 20, 1983 over the potential for runoff of oil and salt during a rainfall event, the following provisions have been incorporated into the design of the oil slack pad:

1. Installation of a synthetic liner under the storage area base to reduce any potential oil infiltration into the ground.
2. Installation of a berm and drainage line at the top of the slope to prevent any runoff from the upper yard onto the stockpile storage pad area.
3. Building up of the yard area around the storage pad to ensure against drainage leaving the pad area for containment of oil at the stockpile area.

The following provisions have been incorporated into the design of the sand and salt storage bin area:

1. The concrete joints will be sealed.
2. The storage bin will be constructed to ensure against contact of surface runoff from the surrounding areas with the sand and salt being stored.
3. A loading ramp to the bin will be constructed insloping in order to prevent drainage from the area in case of a sand and salt spillage during loading and unloading operations.

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DIVISION OF
OIL, GAS & MINING

Mr. James W. Smith
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Concerning the contingency plan for the handling and disposal of excess oil accumulation in the sedimentation pond, should oil concentrations increase beyond current effluent standards, the following procedures will be followed. After receiving a water sample test back that shows oil and grease concentrations above our current effluent standards, we will immediately take a second sample to substantiate the first sample test. Should both of these two consecutive samples show that the oil and grease concentrations are beyond our current effluent standards, the excess oil and grease will be removed and disposed of from the sedimentation pond by salvage trucks or other effective means.

A copy of the results of a chemical analysis of the oil applied to the coal is attached.

If you have any questions concerning this matter, please call Mike Davis at 637-4880.

Sincerely,



Ken Payne
Vice President and General Manager

MLD:d1j

xc: J. Kent Taylor
Fishlake National Forest

THE INDUSTRIAL LABORATORIES COMPANY

Analytical and Consulting Chemists

Telephone 303 287-9691

P.O. Box 16207
Denver, Colorado 80216

1450 East 62nd Avenue

ANALYSIS REPORT

PETERSON OIL INC.
1095 So. Hwy 89
Richfield, Utah

DATE RECEIVED: 10/20/80
DATE REPORTED: 10/27/80
LAB NUMBER: 8301

SAMPLE MARKED: Waste Oil

ANALYSIS: EP Toxicity Waste Procedure

SAMPLES ARE DISCARDED IN 15 DAYS FROM DATE OF REPORT UNLESS WE ARE REQUESTED IN WRITING TO RETAIN THEM FOR A LONGER PERIOD. PERISHABLE SAMPLES ARE USUALLY DISCARDED IMMEDIATELY UNLESS CLIENT HAS REQUESTED SPECIAL HANDLING (FREEZING, ETC.) IN ADVANCE

	<u>Milligrams per Liter</u>
Arsenic	Less than 5.0
Barium	Less than 100
Cadmium	Less than 1.0
Chromium	Less than 5.0
Lead	Less than 5.0
Mercury	Less than 0.2
Selenium	Less than 1.0
Silver	Less than 5.0

MEMBERS OF:

AMERICAN ASS'N OF CEREAL CHEMISTS
AMERICAN CHEMICAL SOCIETY
AMERICAN OIL CHEMISTS' SOCIETY
ASS'N OF OFFICIAL RACING CHEMISTS
BAKERY ENGINEERS OF AMERICA
INSTITUTE OF FOOD TECHNOLOGY
SIGMA XI

THE INDUSTRIAL LABORATORIES COMPANY

H. Paul Vohs

CHEMIST

Table 2. ASSAY OF CRANKCASE
DRAIN OILS FROM API¹

	Mobil burning tests Staten Is., NY	Exxon burning tests Sewell's Point, VA	Gulf burning tests Gulf R&D Co.	tests Co.
Flash point, OF..	215	350-400	218	- flash 14
Vis. @ 100OF, SSU.....	248	268	256	
Vis. @ 210OF, SSU.....	56.4	.....	.....
Viscosity index..	106	.....	.....
Gravity, OAPI...	24.6	26.0	25.0	
Ash.....	1.81	1.80	2.41	
Water, vol. %...	4.4	.....	.....
BS&W, vol. %...	0.6	.....	.....
Sulfur, wt. %...	0.34	.....	0.21	- Sulphur
Metals, wt. %				
Lead.....	1.11	0.90	.....
Zinc.....	0.08	0.07	
Barium.....	0.06	0.10	
Calcium.....	0.17	0.10	
Phosphorous....	0.09	0.11	
Iron.....	0.036	0.02	

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