

**SMUD**

SACRAMENTO MUNICIPAL UTILITY DISTRICT □ 6201 S Street, P.O. Box 15830, Sacramento CA 95852-1830, (916) 452-3211
AN ELECTRIC SYSTEM SERVING THE HEART OF CALIFORNIA

CEO 88-171

SEP 14 1988

Director of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Mail Station P1-137
Washington, DC 20555

Docket No. 50-312
Rancho Seco Nuclear Generating Station
License No. DPR-54
DIESEL GENERATOR FUEL OIL REQUIREMENTS

Reference: January 7, 1980 letter Darrell G. Eisenhut to All Power Reactors
Except Arkansas Nuclear One, Units Nos. 1 And 2, RE: Quality
Assurance Requirements Regarding Diesel Generator Fuel Oil

Dear Sir:

The referenced letter requested that each licensee review their Quality Assurance Program to determine if diesel generator fuel oil was included. Diesel generator fuel oil is not included in the Quality Assurance Program at Rancho Seco; however, a detailed surveillance program is included in Technical Specification 4.6.3. As part of Technical Specifications, the surveillance requirements are included in the Quality Assurance Audit Program through routine audits of the surveillance program.

Following receipt of the referenced letter, the District began routine sampling of the fuel oil. A Surveillance Requirement added to Technical Specification 4.6.3 by Amendment No. 94 requires:

1. Prior to adding fuel oil to the storage tanks, test the new oil for:
 - a) Specific gravity
 - b) Kinematic viscosity
 - c) Flash point
 - d) Water and sediment
2. A sample of the new fuel will be analyzed as follows but will not impact addition of the new fuel oil to the storage tanks:

By verifying within 31 days of obtaining the sample that the other properties specified in Table 1 of ASTM D975-81 are met when tested in accordance with ASTM D975-81, except that the analysis for sulfur may be performed in accordance with ASTM D1552-79 or ASTM D2622-82.

8809200239 880914
PDR ADOCK 05000312
P PNU

Acc
1/0

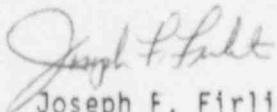
3. Testing of the storage tanks is also performed:

At least MONTHLY by obtaining a sample of fuel oil from the storage tanks in accordance with ASTM D4057-81 (1981), and verifying that total particulate contamination is less than 10 mg/liter when checked in accordance with ASTM D2276-73 (1978), Method A.

The extensive level of testing required by Technical Specification Surveillance Requirement 4.6.3.B.2 provides a high level of assurance that the diesel generators will be supplied with fuel oil which meets identified performance standards. Diesel generator fuel oil is not covered by the Quality Assurance Program since the surveillance testing program provides assurance that quality is maintained. Inclusion of diesel fuel oil in the Quality Assurance Program would not significantly improve diesel generator reliability.

Members of your staff with questions requiring additional information or clarification may contact Dave Swank at (209) 333-2935, extension 4920.

Sincerely,



Joseph F. Firlit
Chief Executive Officer,
Nuclear

cc: J. B. Martin, NRC, Walnut Creek
W. P. Ang, NRC, Walnut Creek
A. D'Angelo, NRC, Rancho Seco