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March 9, 1989

Dr. Thomas E. Murley, Director
 Office of Nuclear Reactor Regulation
 U.S. Nuclear Regulatory Commission
 Washington, DC 20555

Subject: Dresden Station Units 2 and 3
 Quad Cities Station Units 1 and 2
 Wyle Test Report on Mobil Greases
 for Limatorque Actuators
NRC Docket Nos. 50-237/249 and 50-254/265

- References (a): Wyle Report #17019-01, Nuclear Environmental
 Qualification Test Program on Mobil Greases
 for Limatorque Actuators, dated February 8,
 1989, Preliminary Report
- (b): Sargent & Lundy Evaluation of Wyle Report
 #17019-01, "Qualification of Mobil Oil Co.
 Greases Mobilux EP-0, EP-1, EP-2 and
 Mobilgrease 28", dated February 20, 1989
- (c): Letter from J.A. Silady to T.E. Murley dated
 October 31, 1988.

Dear Dr. Murley:

Enclosed is Wyle Laboratories Test Report #17019-01 regarding the
 simulated three year testing of Mobilux EP-0, EP-1, EP-2, and Mobilgrease 28.
 Mr. B.L. Siegel has previously requested that the Wyle test results be
 submitted for NRC Staff review. Reference (b), attached, is Sargent and
 Lundy's evaluation of the subject test report. In addition, this report has
 been reviewed by Dr. R.O. Bolt of Bolt and Associates.

Please note that EP-0 grease was not tested because of an apparent
 mislabeling of the "EP-0" grease sample by Mobil Oil. However, EP-0 was
 qualified through similarity analysis to the tested EP-1. In addition, a new
 EP-0 sample is being incorporated into the remainder of the simulated nine
 year testing to be completed in October, 1989.

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The test program demonstrated that the Mobil grease samples, used for the Limitorque actuators, performed their required functions during aging and pursuant to accident simulation testing. This was exhibited after the grease was irradiated and thermally aged to environmental conditions enveloping those of Dresden and Quad Cities Stations to simulate three years of service life. Furthermore, the greases met the acceptance criteria and are qualified to the intent of NUREG-0588 with qualified life of at least 8 years, based on our evaluation as stated in Reference (b).

The Wyle tests confirm the results of Mobil testing discussed in Reference (c), and further support our previous conclusions that the Mobil greases are environmentally qualified.

Please contact this office should further information be required.

Very truly yours,



J. A. Silady
Nuclear Licensing Administrator

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Enclosure

cc: A.B. Davis - Regional Administrator, RIII
B.L. Siegel - Project Manager, NRR
T.M. Ross - Project Manager, NRR
S.G. DuPont - Senior Resident Inspector, Dresden
R.L. Higgins - Senior Resident Inspector, Quad Cities