

# ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

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SUBJECT: Special rept: on 900129, diesel generator valid test & valid failure.

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February 28 , 1990

United States Nuclear Regulatory Commission  
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RE: Docket No. 50-410  
SPECIAL REPORT

Gentlemen:

In accordance with Nine Mile Point Unit 2 (NMP2) Technical Specification 4.8.1.1.3, we are submitting the following Special Report concerning a diesel generator valid test and valid failure.

SURVEILLANCE REQUIREMENTS

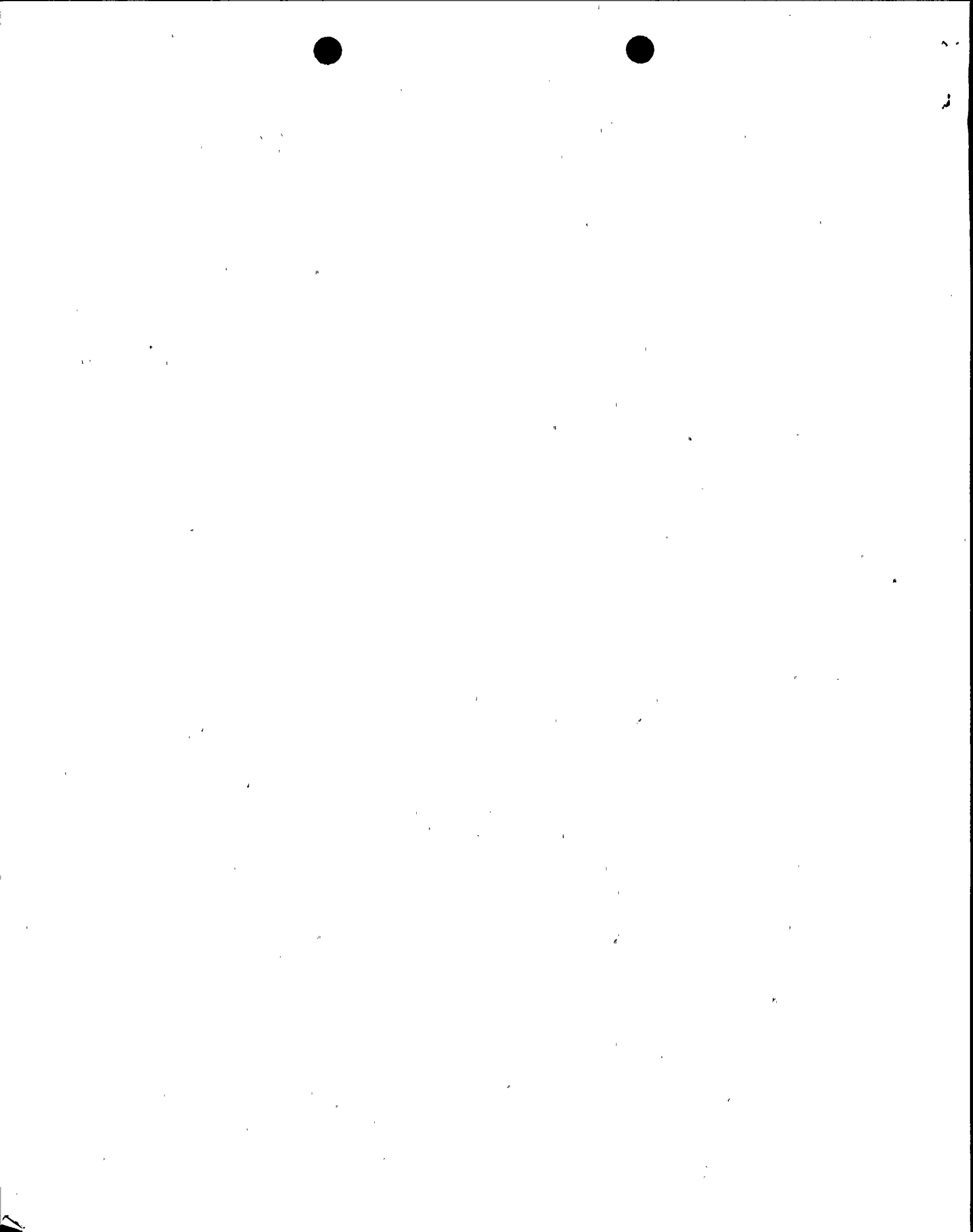
Diesel generator surveillance testing is performed on a monthly schedule (at least once per 31 days). The monthly testing interval is in conformance with Nine Mile Point Unit 2 Technical Specification Table 4.8.1.1.2-1, Diesel Generator Test Schedule. This is the first failure in the past 20 valid tests, with 5 failures in the last 100 valid tests performed since completion of the reliability demonstration under Regulatory Guide 1.108 Position C.2.a(9).

EVENT DESCRIPTION

On January 29, 1990, at approximately 1001 hours, the Division I Diesel Generator (2EGS\*EG1) was started per Operating Surveillance Procedure N2-OSP-EGS-M001 "Diesel Generator and Diesel Air Start Valve Operability Test Division I and II. At 1040 hours, the Division I Emergency Diesel Generator was voluntarily secured due to a fuel leak on the Number 4 right fuel injector pump. Prior to 2EGS\*EG1 being secured, it was producing 4400 Kilowatts (KW) and functioning as designed.

ROOT CAUSE

Once 2EGS\*EG1 was secured, an investigation was initiated to determine the cause for the leaking fuel. This investigation revealed that the fuel injector pump delivery valve holder had a through-wall crack running axially (approximately 5/8" long).



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ACTIONS TAKEN

The defective delivery valve holder was replaced per Maintenance Department Work Request (WR 161848). On January 31, 1990, at 1015 hours, 2ESG\*EG1 was restarted and run (unloaded) for approximately 12 minutes to verify integrity of newly installed equipment, no leaks were detected. Subsequently, surveillance testing per procedure N2-OSP-EGS-M001 was satisfactorily completed. At 2158 hours, the Division I Emergency Diesel Generator was declared operable. 2EGS\*EG1 was inoperable for a total of 59 hours and 18 minutes.

VALID TEST/FAILURE DETERMINATION

Investigation into the termination of the surveillance test has determined the event to be a valid test and valid failure. This determination is based on the fact that the test was terminated due to a fuel leak in the Number 4 right Diesel Generator fuel injector pump. This failure resulted in a Diesel Generator failure as stated under Regulatory Guide 1.108 position C.2.e (6).

In conformance with Technical Specification Table 4.8.1.1.2-1, Diesel Generator surveillance testing will be performed on a weekly schedule (at least once per 7 days).

Very truly yours,



J. L. Willis  
General Superintendent  
Nuclear Generation

JLW/GB/lmc

cc: Regional Administrator, Region I  
Sr. Resident Inspector, W. A. Cook



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