

VERMONT YANKEE NUCLEAR POWER CORPORATION

P. O. BOX 157 GOVERNOR HUNT ROAD VERNON, VERMONT 05354

> October 1, 1990 VYV# 90-282

U.S. Nullear Regulatory Commission Document Control Desk Washington, D.C. 20555

REFERENCE: Operating License DPR-28 Docket No. 50-271 Reportable Occurrence No. LER 90-11

Dear Sirs:

As defined by 10CFR50.73, we are reporting the attached Reportable Occurrence as LER 90-11.

Very truly yours,

VERMONT YANKEE NUCLEAR POWER CORPORATION

Donald A. Reid Plant Manager

cc: Regional Administrator USNRC Region I 475 Allendale Road King of Prussia, PA 19406

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FACILITY	LI	CENSE	NRC Form 366 U.S. NUCLEAR REGULATORY COMMISSION (6-89)							APPROVED OMS NO.3150-0104 EXPIRES 4/30/92 ESTIMATED BURDEN PER RESPONSE TO COMPLY											
FACILITY		LICENSEE EVENT REPORT (LER)							B B M R 2	WITH THIS INFORMATION COLLECTION REQUEST: 50.0 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (P-530), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555, AND TO THE PAPERWORK REDUCTION											
FACILITY									P	PROJECT (3160-0104), OFFICE OF MANAGEMENT											
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DESCRIPTION OF EVENT

On September 2, 1990 at approximately 1830 hours with the reactor shut down at 0% power, a High-High flux signal was received from APRMs "C" and "F" resulting in a full scram signal (EIIS=IG). At approximately 1835 hours it was determined that LPRM 48-32-25 was spiking high and was bypassed. This LPRM is a shared input to both APRM "F" and APRM "C".

At the time this occurred all control rods were inserted to normal full-in (latched) position. The Hydraulic Control Units (HCUs) were operable and when the scram signal occurred the HCUs were activated and the rods went to beyond full-in position, a travel of approximately three inches. No change in reactor power was experienced.

CAUSE OF EVENT

Previous to the event, personnel had been under the vessel repositioning neutron monitoring cables to prepare for work on the CRD system. The work was being performed under procedure OP 5211 "Control Rod Drive Removal, Overhaul and Installation". It is believed that the handling of these cables resulted in a loose or broken connector which caused the spiking. A Maintenance Request has been generated to investigate and repair the LPRM. If the investigation and repair results in information that changes the root cause or requires additional corrective actions, a supplemental LER will be submitted.

ANALYSIS OF EVENT

The event detailed in this report does not have any adverse safety implications to public health or safety.

The reactor was in a shutdown condition with all control rods fully inserted. The full scram signal was the expected equipment response to High-High Flux signals in APRMs "C" and "F".

CORRECTIVE ACTIONS

- 1. LPRM 4B-32-25 which was spiking high was put into bypass.
- The scram signal was cleared.
- 3. A Maintenance Request has been generated to investigate LPRM 4B-32-25.
- 4. Procedure OP 5211 has been revised to acknowledge that a potential exists for a half or full scram signal when the under vessel cables are handled for CRD work.

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ADDITIONAL INFORMATION

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No similar event has been reported to the Commission.