

*Branch
File*

TO: J. O'REILLY

PHOTOCOPY

RO: 1

ABNORMAL OCCURRENCE 73-11-20

FAILURE TO FULLY INSERT CONTROL RODS ON A SCRAM

ON NOVEMBER 20, 1973, AT APPROXIMATELY 0230 HRS. A REACTOR RECIRCULATION FLOW TRANSIENT OCCURRED RESULTING IN A HIGH FLUX SCRAM. THE REACTOR WAS OPERATING AT 77% POWER AT THIS TIME. UPON OPERATOR VERIFICATION OF THIS SCRAM 11 RODS WERE FOUND TO BE POSITIONED AT THE 02 NOTCH POSITION. THE OPERATOR IMMEDIATELY INSERTED THESE RODS TO 00. SUBSEQUENT TESTING (STAIL LEAKAGE FLOW MEASUREMENTS AND SCRAM TIMING) OF THESE RODS SHOWED EXCESSIVE FLOW PAST THE STOP PISTON SEALS, WHICH WOULD RESULT IN THE CONTROL ROD DRIVE SLOWING DOWN DURING THE LAST 5% OF ITS TRAVEL. THESE DRIVES HAVE BEEN SCHEDULED FOR OVERHAUL DURING THE NEXT REFUELING OUTAGE, MARCH, 1974. THE OPERATOR VERIFIED THAT NEUTRON INSTRUMENTATION INDICATED A HIGHLY SUBCRITICAL REACTOR EVEN WITH THESE RODS AT 02 NOTCH POSITION, THEREFORE NO HAZARD WAS PRESENTED TO THE GENERAL PUBLIC. THIS EVENT IS DEEMED AN ABNORMAL OCCURRENCE PURSUANT TO TECHNICAL SPECIFICATION 1.13d.

8303140611 731128
PDR ADOCK 05000220
S PDR

*Rec'd
50-220*

THOMAS J. PERKINS
SUPERINTENDENT
NINE MILE POINT NUCLEAR POWER STATION

MEMO ROUTE SLIP Form AEC-93 (Rev. May 14, 1947) AECM 0240		See me about this. Note and return.	For concurrence. For signature.	For action. For information.
TO (Name and unit) RO Chief, FS&EB RO:HQ (5) RO Files Central Mail & Files Regulatory Standards	INITIALS DATE (3)	REMARKS NINE MILE POINT NUCLEAR POWER STATION DN 50-220 AO 73-11-20		
TO (Name and unit) Directorate of Licensing (13) Regional Directors, (RO II, III, IV) OGC	INITIALS DATE	REMARKS The above abnormal occurrence is forwarded for information. Distribution will be made by this office to the PDR, Local PDR, NSIC,		
TO (Name and unit)	INITIALS DATE	REMARKS DTIE, and State representatives.		
FRCM (Name and unit) E. J. Brunner Region I <i>E. J. Brunner</i>	REMARKS			
PHONE NO. 8-337-1246	DATE 11/28/73			

USE OTHER SIDE FOR ADDITIONAL REMARKS

GPO : 1971 O - 445-469

U.S. ATOMIC ENERGY COMM.
DIVISION OF COMPLIANCE

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