

DCS No: 50271/850809  
Date: 8/9/85

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE--PNO-I-85-56

This preliminary notification constitutes EARLY notice of events of POSSIBLE safety or public interest significance. The information is as initially received without verification or evaluation, and is basically all that is known by the Region I staff on this date.

Facility:

Vermont Yankee Nuclear Power Corp.  
Vermont Yankee Nuclear Power Station  
Vernon, Vermont  
Docket No. 50-271

Licensee Emergency Classification:  
\_\_\_\_ Notification of Unusual Event  
\_\_\_\_ Alert  
\_\_\_\_ Site Area Emergency  
\_\_\_\_ General Emergency  
X Not Applicable

Subject: UNPLANNED RADIATION EXPOSURE

At 6:30 p.m., 8/8, an HP technician experienced an unplanned exposure by entering the traversing incore probe (TIP) room when the system probes were thought to be secured in their designated housing shields. The general radiation level was measured to be about 300 Rem/hr with the highest reading being about 1,000 Rem/hr. Apparently the radiation source was the attaching cable to the TIP probe (activated while stuck in-core and only withdrawn manually about 2 hours before the technician entry). TLD reading later indicated the HP technician received a dose of 1.29 Rem; extremity exposures are uncertain since he was not wearing extremity dosimetry.

An auxiliary operator accompanying the HP technician apparently did not actually enter the room and received a lower dose (pocket dosimeter reading was 270 mR).

Initial indications are that this unplanned exposure was apparently because of technician inexperience and training inadequacies. Region I is monitoring licensee followup actions. A BWR Radiological Protection Section Chief and a Senior Resident Inspector have been dispatched to the site. The licensee will not re-enter the TIP room until that evolution is thoroughly planned.

The State of Vermont has been notified.

CONTACT: A. Asars  
488-1327

E. McCabe  
488-1231

DISTRIBUTION:

H. St. _____	MNBB _____	Phillips _____	E/W _____	Willste _____	Mail: ADM:DMB
Chairman Palladino	EDO	NRR	IE	NMSS	DOT:Trans only
Comm. Zech	PA		OIA	RES	
Comm. Bernthal	ELD		AEOD		
Comm. Roberts					
Comm. Asselstine					
ACRS	Air Rights		INPO- <sup>3:08</sup>		
SECY	SP		NSAC- <sup>1:07</sup>		
CA					
PDR	Regional Offices _____			TMI Resident Section <sup>3:09</sup>	
				RI Resident Office <sup>3:04</sup>	

Licensee: \_\_\_\_\_  
(Reactor Licensees)

Region I Form 83  
(Rev. July, 1984)

8508150145 850809  
PDR I&E  
PNO-I-85-056 PDR

IE-34

0/1

DISTRIBUTION:

NRCOGC LEADOP Please deliver H St addressees)

Chairman Palladino

Comm. Zech

Comm. Bernthal

Comm. Roberts

Comm. Asselstine

ACRS

SECY

CA

PDR

NRCRM, EDO (Please make EDO internal distribution)

NRCRM, PAO (Please make PAO internal distribution)

NRCELD, Leadop (Please deliver to G. Cunnirgham)

NRCWM, MaryR (Please deliver to G. Beverage)

NRCIE, Leadop (To mail room for IE internal distribution)

NRCDL, Leadop (Please make NRR internal distribution)

NRCADMW, Leadop (Please deliver to A. Summerour, RES)

NRCIE, AEOD (Please deliver copy to OIA)

NRCRII, Leadop (Please make Internal RII distribution)

NRCRIII, Leadop (Please make Internal RIII distribution)

NRCRIV, Leadop (Please make Internal RIV distribution)

NRCRV, Leadop (Please make Internal RV distribution)

OSPDW (Please deliver to Wayne Kerr)

Region I WPS

Resident Office (Site PC) (If secretary is off FAX)

(You must call OSPDW and tell them it is on 5520 for pickup)

RI Office Services Section

(Mail to ADM:DMB & DOT (transportation only))

FAX to

INPO

NSAC

TMI 2 Program Office