

CLEVELAND ELECTRIC ILLUMINATING COMPANY

PERRY NUCLEAR POWER PLANT

JANUARY 1 - DECEMBER 31, 1992

ANNUAL REPORT

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I. Occupational Radiation Exposure Summary Report

Enclosed in this section is the 1992 Annual Occupational Exposure Summary Report required by Technical Specification 6.9.1.5.a of Appendix A to the Perry Unit 1 Operating License. The following work Categories were grouped as indicated below:

STATION Perry Nuclear Power Plant Department, Site Protection
Section of the Perry Nuclear Support Department

UTILITY Perry Administrative Support Department, Perry
Nuclear Assurance Department, Perry Nuclear
Engineering Department, other Sections of the Perry
Nuclear Support Department, and CEI support personnel

OTHER Contractor, Consultant, Centerior, Davis-Besse,
and other support personnel

1992 ANNUAL EXPOSURE REPORT
REGULATORY GUIDE 1.16 APPENDIX A SUMMARY

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WORK CATEGORY	JOB CATEGORY	# OF PERSONS > 0100 MREM			TOTAL MAN-REM		
		STATION	UTILITY	OTHER	STATION	UTILITY	OTHER
REACTOR OPER. & SURVEILLANCE	MAINTENANCE	44	8	31	0.904	0.000	2.938
	OPERATIONS	119		9	17.671		0.282
	HEALTH PHYSICS	43		91	4.522		1.875
	SUPERVISORY			1			0.000
	ENGINEERING	3	27	6	0.040	0.825	0.020
ROUTINE MAINTENANCE	MAINTENANCE	100	20	144	4.616	0.415	10.067
	OPERATIONS	97		12	5.670		0.218
	HEALTH PHYSICS	37		112	0.710		4.961
	SUPERVISORY			2			0.097
	ENGINEERING	2	37	19	0.023	1.042	0.055
INSERVICE INSPECTION	MAINTENANCE	42		327	0.435		29.904
	OPERATIONS	14		5	0.220		0.155
	HEALTH PHYSICS	17		48	0.640		3.515
	SUPERVISORY						
	ENGINEERING	2	24	23	0.090	0.959	6.335
SPECIAL MAINTENANCE	MAINTENANCE	102	20	570	38.460	2.620	230.015
	OPERATIONS	122		14	16.323		2.600
	HEALTH PHYSICS	43		143	8.583		41.762
	SUPERVISORY			2			0.130
	ENGINEERING	3	41	28	0.795	8.189	6.407
WASTE PROCESSING	MAINTENANCE	62	7	47	1.021	0.580	2.080
	OPERATIONS	34		1	1.815		0.000
	HEALTH PHYSICS	35		47	2.202		0.980
	SUPERVISORY						
	ENGINEERING		6			0.051	
REFUELING	MAINTENANCE	88	8	342	6.637	0.030	53.575
	OPERATIONS	123		13	4.305		0.355
	HEALTH PHYSICS	34		121	2.535		12.443
	SUPERVISORY						
	ENGINEERING	2	23	9	0.045	1.900	0.255
TOTALS	MAINTENANCE	438	63	1661	52.073	3.645	368.579
	OPERATIONS	509		54	46.004		3.410
	HEALTH PHYSICS	209		562	19.192		65.536
	SUPERVISORY			5			0.227
	ENGINEERING	12	158	85	0.993	12.966	13.072
GRAND TOTALS		1168	221	2367	118.282	16.611	450.824

II. Safety/Relief Valve Challenges

The attached report includes all actuations during the 1992 year.

Included as SRV "challenges" are the following actions/events.

1. The SRV being physically operated by the manual control switch in the control room.
2. The SRV automatically lifts per design pressure limit when installed in the plant.

This information is submitted in accordance with Technical Specification 6.9.1.5.b of Appendix A to Operating License NPF-58 for the Perry Nuclear Power Plant, Unit 1.

During Refuel Outage #3 (March 21 - June 13, 1992), Perry Unit 1 changed out all nineteen of the safety/relief valves. Prior to declaring the newly installed valves operable, per Technical Specifications 4.0.5, they were all actuated twice. The actuations were performed in accordance with surveillance test instruction SVI-B21-T2005, "SRV Exercise Test."

On November 21, 1992 during the performance of a maintenance surveillance SVI-B21-T0369B, "SRV Pressure Actuation Channel B Functional," two SRV's unexpectedly opened. The valves that opened were 1B21-P051C & D. The specific equipment malfunction which caused the event could not be determined. This event was reported to the NRC in LER 92-024, dated December 18, 1992.

SAFETY/RELIEF VALVE CHALLENGES DURING 1992

VALVE NUMBER	TIME	VALVE NUMBER	TIME
DATE 06/10/92			
1B21-F041A	1838	1B21-F047C	1811
1B21-F041A	1839	1B21-F047C	1812
1B21-F041B	1831	1B21-F047D	1825
1B21-F041B	1833	1B21-F047D	1827
1B21-F041C	1819	1B21-F047F	1759
1B21-F041C	1821	1B21-F047F	1759
1B21-F041D	1807	1B21-F047G	1817
1B21-F041D	1807	1B21-F047G	1817
1B21-F041E	1834	1B21-F047H	1843
1B21-F041E	1834	1B21-F047H	1844
1B21-F041F	1836	1B21-F051A	1809
1B21-F041F	1837	1B21-F051A	1810
1B21-F041G	1801	1B21-F051B	1803
1B21-F041G	1802	1B21-F051B	1804
1B21-F041K	1814	1B21-F051C	1841
1B21-F041K	1815	1B21-F051C	1841
1B21-F047B	1756	1B21-F051D	1752
1B21-F047B	1757	1B21-F051D	1754
1B21-F051G	1828		
1B21-F051G	1829		
DATE 11/21/92			
1B21-F051C	0357		
1B21-F051D	0357		

III. Reactor Coolant System Specific Activity Analysis

During 1992 there were no occurrences in which Technical Specification 3.4.5, "Specific Activity," Limiting Condition for Operation was exceeded. This information is submitted in accordance with Technical Specification 6.9.1.5.c.

IV. Silicone Sealant Inspections

In accordance with commitments made in response to License Commitment 17 of USAR Appendix 1B (reference letter PY-CEI/NRR-0703L, dated August 27, 1987 from Murray R. Edelman) the following summary report is provided. During the Perry Unit 1 third refueling outage (March 21, 1992 - June 13, 1992) duct specimens that were previously placed in an environmentally representative horizontal pipe chase in the Intermediate Building, 585' elevation were inspected. The duct specimens were leak tested at rated pressure, with acceptable results. The results of the duct specimen leak test showed that no additional air leakage was present than previously identified in the original test. A walkdown of representative portions of Engineered Safety Feature (ESF) ventilation systems [Annulus Exhaust Gas Treatment (M15), Control Room HVAC (M25) and Fuel Handling Building Ventilation (M40)] was conducted and the exposed exterior silicone sealants were inspected, also with acceptable results.