

Nine Mile Point Nuclear Station Unit # 1 DPR-63 1998 Annual Occupational Exposure Report

Work & Job Function	Numbers of Personnel > 0 mrem				Exposure Totals (mrem)			
	Station Employees	Utility Employees	Contract & Others	Total Employees	Station Employees	Utility Employees	Contract & Others	Total Milli-rems
Reactor Operations & Surv.								
Maintenance Personnel	90	0	50	140	3,774	0	337	4,110
Operating Personnel	59	0	4	63	7,069	0	18	7,086
Health Physics Personnel	42	0	4	46	2,829	0	22	2,851
Engineering Personnel	85	1	40	126	963	1	151	1,115
Supervisory Personnel	27	0	4	31	375	0	6	382
Total	303	1	102	406	15,009	1	533	15,544
Routine Maintenance								
Maintenance Personnel	59	0	33	92	5,820	0	2,259	8,079
Operating Personnel	31	0	0	31	1,247	0	0	1,247
Health Physics Personnel	24	0	2	26	1,736	0	23	1,759
Engineering Personnel	20	0	10	30	677	0	226	903
Supervisory Personnel	13	0	2	15	414	0	59	472
Total	147	0	47	194	9,893	0	2,566	12,460
In-Service Inspection								
Maintenance Personnel	2	0	0	2	92	0	0	92
Operating Personnel	0	0	0	0	0	0	0	0
Health Physics Personnel	2	0	0	2	34	0	0	34
Engineering Personnel	2	0	0	2	51	0	0	51
Supervisory Personnel	0	0	0	0	0	0	0	0
Total	6	0	0	6	177	0	0	177
Special Maintenance								
Maintenance Personnel	2	0	2	4	7	0	14	21
Operating Personnel	0	0	0	0	0	0	0	0
Health Physics Personnel	0	0	0	0	0	0	0	0
Engineering Personnel	0	0	1	1	0	0	2	2
Supervisory Personnel	0	0	0	0	0	0	0	0
Total	2	0	3	5	7	0	16	23
Waste Processing								
Maintenance Personnel	18	0	1	19	670	0	13	683
Operating Personnel	18	0	7	25	2,474	0	1,455	3,929
Health Physics Personnel	23	0	0	23	1,380	0	0	1,380
Engineering Personnel	1	0	1	2	21	0	354	375
Supervisory Personnel	4	0	0	4	100	0	0	100
Total	64	0	9	73	4,645	0	1,822	6,467
Refueling								
Maintenance Personnel	3	0	0	3	48	0	0	48
Operating Personnel	0	0	0	0	0	0	0	0
Health Physics Personnel	3	0	0	3	22	0	0	22
Engineering Personnel	0	0	0	0	0	0	0	0
Supervisory Personnel	1	0	0	1	2	0	0	2
Total	7	0	0	7	72	0	0	72
Summary by Job Function								
Maintenance Personnel	174	0	86	260	10,410	0	2,623	13,032
Operating Personnel	108	0	11	119	10,789	0	1,473	12,262
Health Physics Personnel	94	0	6	100	6,001	0	45	6,045
Engineering Personnel	108	1	52	161	1,711	1	733	2,445
Supervisory Personnel	45	0	6	51	892	0	65	957
Grand Total	529	1	161	691	29,803	1	4,938	34,742

1998 Nine Mile Point - Unit 1 Description of Special Maintenance Activities

Job Description

Post Accident Sampling Sink Over-Pressurization Modification

Five Mile Point Nuclear Station Unit # 2 NPF-69 1998 Annual Occupational Exposure Report

Work & Job Function	Numbers of Personnel > 0 mrem				Exposure Totals (mrem)			
	Station Employees	Utility Employees	Contract & Others	Total Employees	Station Employees	Utility Employees	Contract & Others	Total Milli-rem
Reactor Operations & Surv.								
Maintenance Personnel	94	0	173	267	3,204	0	6,611	9,815
Operating Personnel	94	1	1	96	15,078	3	2	15,083
Health Physics Personnel	101	0	53	154	9,081	0	2,561	11,642
Engineering Personnel	131	0	50	181	1,655	0	403	2,058
Supervisory Personnel	33	0	12	45	350	0	167	517
Total	453	1	289	743	29,369	3	9,743	39,115
Routine Maintenance								
Maintenance Personnel	291	0	637	928	59,794	0	81,134	140,928
Operating Personnel	66	0	3	69	2,125	0	46	2,171
Health Physics Personnel	60	0	48	108	5,996	0	9,153	15,149
Engineering Personnel	86	2	82	170	3,470	10	4,826	8,305
Supervisory Personnel	43	0	23	66	2,779	0	1,260	4,038
Total	546	2	793	1,341	74,164	10	96,418	170,591
In-Service Inspection								
Maintenance Personnel	1	0	153	154	8	0	16,932	16,940
Operating Personnel	0	0	0	0	0	0	0	0
Health Physics Personnel	9	0	4	13	59	0	39	98
Engineering Personnel	8	0	53	61	143	0	10,241	10,383
Supervisory Personnel	1	0	4	5	12	0	263	275
Total	19	0	214	233	222	0	27,474	27,697
Special Maintenance								
Maintenance Personnel	90	0	392	482	8,016	0	41,130	49,146
Operating Personnel	20	0	1	21	97	0	112	209
Health Physics Personnel	18	0	13	31	260	0	545	805
Engineering Personnel	23	1	26	50	895	9	2,269	3,173
Supervisory Personnel	15	0	8	23	186	0	278	464
Total	166	1	440	607	9,454	9	44,334	53,797
Waste Processing								
Maintenance Personnel	0	0	0	0	0	0	0	0
Operating Personnel	19	0	5	24	1,759	0	851	2,610
Health Physics Personnel	6	0	2	8	58	0	6	64
Engineering Personnel	0	0	1	1	0	0	3	3
Supervisory Personnel	3	0	0	3	26	0	0	26
Total	28	0	8	36	1,842	0	860	2,702
Refueling								
Maintenance Personnel	70	0	222	292	2,129	0	25,166	27,295
Operating Personnel	43	0	0	43	2,165	0	0	2,165
Health Physics Personnel	19	0	13	32	1,179	0	1,381	2,560
Engineering Personnel	20	0	46	66	356	0	3,454	3,810
Supervisory Personnel	11	0	8	19	374	0	76	450
Total	163	0	289	452	6,203	0	30,077	36,280
Summary by Job Function								
Maintenance Personnel	546	0	1,577	2,123	73,151	0	170,973	244,124
Operating Personnel	242	1	10	253	21,224	3	1,010	22,237
Health Physics Personnel	213	0	133	346	16,633	0	13,685	30,318
Engineering Personnel	268	3	258	529	6,520	19	21,194	27,733
Supervisory Personnel	106	0	55	161	3,727	0	2,043	5,770
Grand Total	1,375	4	2,033	3,412	121,254	22	208,906	330,182

1998 Nine Mile Point - Unit 2 Description of Special Maintenance Activities**Job Description**

RB353 REMOVE BOOM FROM DECON BRIDGE
RB175 INSTALL EMERGENCY LIGHTS
RB353 REMOVE BOOM FROM DECON BRIDGE
RB353 REFUEL & DECON BRIDGE WORK
TB277 REPAIR/MODIFY 2CND-AOV6C
RB289 TO 175 PMT FOR LIGHTING MOD
RB175 RB196 MODIFY ICS SYSTEM
RB196 SNUBBER REDUCTION S. VLV. PIT
TB HWC MOD INSTALL CABLE/TRAYS/CONDUIT
RB261 & 289 SNUBBER REDUCTION WORK
RB175 NAB CSL*P1A RM SNUBBER REDUCTION
RB175 & 196 NAB SNUBBER REDUCTION WORK
RB175 & 196 SNUBBER REDUCTION ACTIVITIES
RB289 AZ315 MEZZ REPLACE VALVE 2RHS*V235
RB175-289 SNUBBER REDUCTION ACTIVITIES
RB215 PRE-OUTAGE SUCTION STRAINER WORK
TB306 REPAIR 2MSS-E1A AND SUPPORT
TB306 REPAIR 2MSS-E1D AND SUPPORT
TB250 REBUILD 2HDL-P1C
RB/TB RFO-6 SNUBBER/STRUT ACTIVITIES
RB175 INSTALL PIPE, REPLACE O-RING
SP SUCTION STRAINERS, DIVING, CLEANING
RB240 TEST/PM ACTUATOR/REPAIR MSIV
RB289 REPAIR 2CSL*MOV104 VOTES/LLRT
TB250 REMOVE/REPLACE ZINC INJECTION SYS
RX318 WCS HX REPAIR/REPLACE 2WCS-FV135
DW249 REPLACE 19 RCS FLEX HOSES
DW SNUBBER AND STRUT ACTIVITIES
RB261 REPLACE VALVE 2RCS*SOV105
DW261 REPLACE VALVE 2RCS*SOV104
RB175 REPAIR OR MODIFY 2ICS*MOV120/159
DW261-306 FLEX HOSE REMOVAL/REPLACEMENT
RB215 ECCS SUCTION STRAINER DEMOB WORK
RW291 REROUTE THERMAX HOSES
TB277 REBUILD 2CND-AOV6A & 2CND-AOV6G
DW RCS WORK, 2RCS*HYV17A/B ACTUATOR, ETC