

Niagara Mohawk

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February 25, 1999
NMP1L 1412

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555

RE:	Nine Mile Point Unit 1	Nine Mile Point Unit 2
	Docket No. 50-220	Docket No. 50-410
	<u>DPR-63</u>	<u>NPF-69</u>

Subject: Annual Occupational Exposure Reports

Gentlemen:

Niagara Mohawk Power Corporation (NMPC) is submitting the Annual Occupational Exposure Reports for the Nine Mile Point Nuclear Station Units 1 and 2, in accordance with Unit 1 Technical Specification (TS) 6.9.1.b and Unit 2 TS 6.9.1.5.a. These reports are enclosed as Attachments 1A, 1B, 2A, and 2B, and cover the period January 1, 1998 through December 31, 1998. The TSs establish an individual exposure threshold of 100 mrem/year for annual reporting. However, consistent with NMPC's past reporting practice, the attached data conservatively includes personnel exposures above zero mrem/year.

Please refer any questions regarding these reports to Mr. David Barcomb, Unit 2 Radiation Protection Manager, (315) 349-4217.

Very truly yours,



John H. Mueller
Senior Vice President and
Chief Nuclear Officer

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PDR ADOCK 05000220
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JHM/IAA/kap
Attachments

xc: Mr. H. J. Miller, Regional Administrator, Region I
Mr. G. K. Hunegs, Senior Resident Inspector
Mr. S. S. Bajwa, Director, Project Directorate I-1, NRR
Mr. D. S. Hood, Senior Project Manager, NRR
Records Management

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

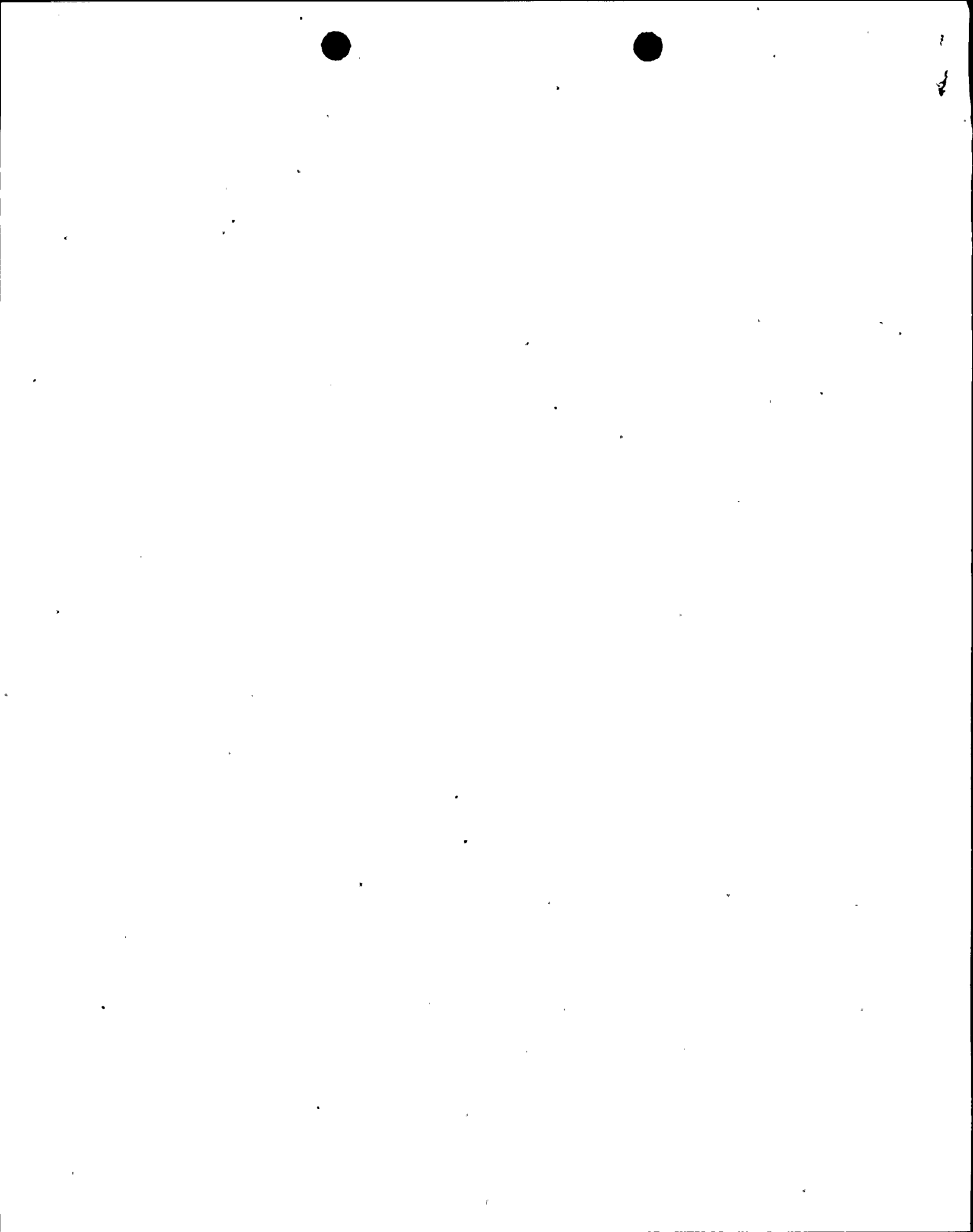
Work & Job Function	Numbers of Personnel > 0 mrem				Exposure Totals (mrem)			
	Station Employees	Utility Employees	Contract & Others	Total Employees	Station Employees	Utility Employees	Contract & Others	Total Mili-rems
Reactor Operations & Surv.								
Maintenance Personnel	90	0	50	140	3,774	0	337	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

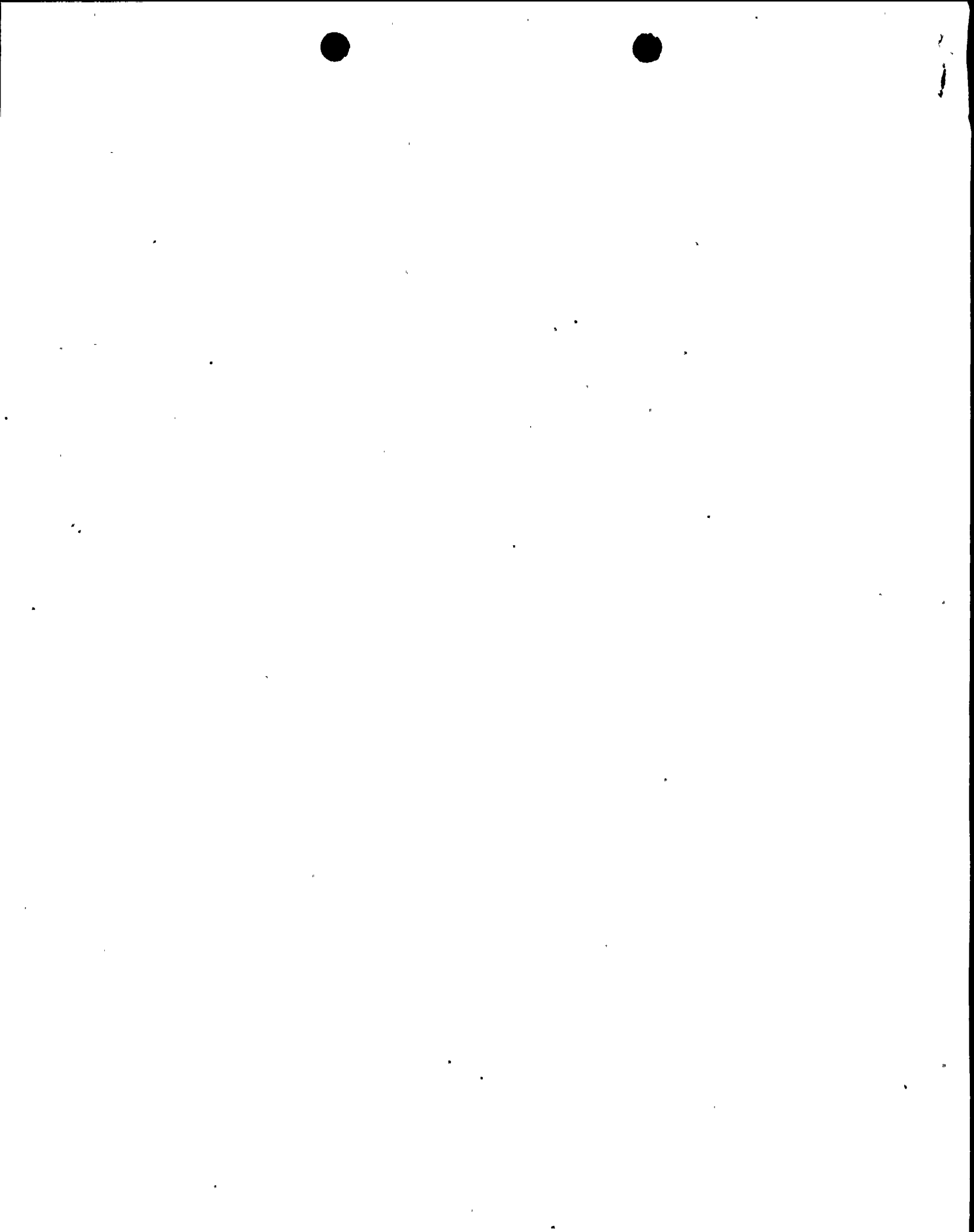
Job Description

Post Accident Sampling Sink Over-Pressurization Modification



Nine 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-rems
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-E1B 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

