



John T. Conway
Vice President
Nuclear Generation

March 1, 2001
NMP1L 1572

Phone: 315.349.4213
Fax: 315.349.2605

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

RE: Nine Mile Point Unit 1
 Docket No. 50-220
 DPR-63

Nine Mile Point Unit 2
Docket No. 50-410
NPF-69

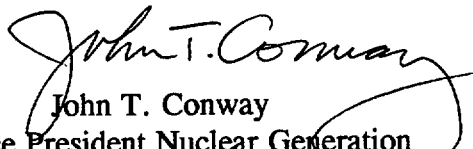
Subject : *Annual Occupational Exposure Reports for Nine Mile Point Nuclear
Station Unit 1 and Unit 2*

Gentlemen:

Niagara Mohawk Power Corporation is submitting the Annual Occupational Exposure Reports for the Nine Mile Point Nuclear Station Unit 1 and Unit 2, in accordance with Unit 1 Technical Specification (TS) 6.9.1.b and Unit 2 Improved Technical Specification 5.6.1. These reports are enclosed as Attachments 1A and 1B for Unit 1, and Attachments 2A and 2B for Unit 2. They are based on the guidance of NRC Regulatory Guide 1.16 (Revision 4), and cover the period January 1, 2000 through December 31, 2000.

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

Sincerely,


John T. Conway
Vice President Nuclear Generation

JTC/IAA/cld
Enclosures

xc: Mr. H. J. Miller, Regional Administrator, Region I
 Ms. M. K. Gamberoni, Section Chief PD-I, Section 1, NRR
 Mr. G. K. Hunegs, Senior Resident Inspector
 Mr. P.S. Tam, Senior Project Manager, NRR
 Records Management

IE56

ATTACHMENT 1A

Nine Mile Point Nuclear Station Unit # 1 DPR-63 2000 Regulatory Guide 1.16 Report

Work & Job Function	Numbers of Personnel > 100 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	0	0	0	0	0	0	0	0
Operating Personnel	29	0	0	29	3,339	0	0	3,339
Health Physics Personnel	4	0	0	4	43	0	0	43
Engineering Personnel	1	0	0	1	8	0	0	8
Supervisory Personnel	0	0	0	0	0	0	0	0
Total	34	0	0	34	3,389	0	0	3,389
Routine Maintenance								
Maintenance Personnel	75	0	116	191	11,100	0	6,958	18,058
Operating Personnel	48	0	1	49	3,710	0	1	3,711
Health Physics Personnel	39	0	8	47	5,247	0	357	5,604
Engineering Personnel	8	0	5	13	687	0	96	783
Supervisory Personnel	7	0	1	8	1,735	0	103	1,838
Total	177	0	131	308	22,479	0	7,515	29,994
In-Service Inspection								
Maintenance Personnel	0	0	0	0	0	0	0	0
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	2	2	0	0	3	3
Supervisory Personnel	0	0	0	0	0	0	0	0
Total	0	0	2	2	0	0	3	3
Special Maintenance								
Maintenance Personnel	31	0	40	71	728	0	1,075	1,803
Operating Personnel	19	0	0	19	202	0	0	202
Health Physics Personnel	13	0	0	13	253	0	0	253
Engineering Personnel	4	0	1	5	40	0	14	54
Supervisory Personnel	1	0	0	1	11	0	0	11
Total	68	0	41	109	1,233	0	1,090	2,322
Waste Processing								
Maintenance Personnel	9	0	4	13	246	0	308	555
Operating Personnel	9	0	3	12	1,209	0	395	1,604
Health Physics Personnel	18	0	1	19	928	0	45	973
Engineering Personnel	0	0	0	0	0	0	0	0
Supervisory Personnel	2	0	0	2	48	0	0	48
Total	38	0	8	46	2,431	0	749	3,180
Refueling								
Maintenance Personnel	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0
Supervisory Personnel	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0
Summary by Job Function								
Maintenance Personnel	115	0	160	275	12,075	0	8,341	20,416
Operating Personnel	105	0	4	109	8,459	0	396	8,855
Health Physics Personnel	74	0	9	83	6,472	0	402	6,873
Engineering Personnel	13	0	8	21	734	0	114	848
Supervisory Personnel	10	0	1	11	1,793	0	103	1,896
Grand Total	317	0	182	499	29,532	0	9,356	38,888

Note: Workers may be counted in more than one category
Exposure totals are rounded numbers

ATTACHMENT 1B

2000 Nine Mile Point – Unit # 1 Description of Special Maintenance Activities

Job Description

Startup Range/Intermediate Range Monitor Pre-Amplifier Modifications

Hydrogen Water Chemistry (HWC) Project

Noble Metals Application Project

Deterrent Barrier Modification

Replace 106 Valves and Associated Hydraulic Control Unit Work

12-Inch Strainer Installation Modification

ATTACHMENT 2A

Nine Mile Point Nuclear Station Unit # 2 NPF-69 2000 Regulatory Guide 1.16 Report

Work & Job Function	Numbers of Personnel > 100 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	12	0	8	20	53	0	57	110
Operating Personnel	52	0	1	53	3,346	0	8	3,354
Health Physics Personnel	7	0	1	8	41	0	68	109
Engineering Personnel	3	0	1	4	62	0	6	67
Supervisory Personnel	0	0	1	1	0	0	18	18
Total	74	0	12	86	3,500	0	157	3,658
Routine Maintenance								
Maintenance Personnel	122	0	362	484	29,641	0	66,259	95,900
Operating Personnel	80	0	4	84	11,819	0	1,147	12,966
Health Physics Personnel	53	0	25	78	11,565	0	4,633	16,198
Engineering Personnel	14	0	27	41	1,889	0	2,675	4,564
Supervisory Personnel	7	0	6	13	694	0	447	1,141
Total	276	0	424	700	55,609	0	75,160	130,769
In-Service Inspection								
Maintenance Personnel	5	0	125	130	109	0	16,811	16,920
Operating Personnel	1	0	0	1	6	0	0	6
Health Physics Personnel	5	0	2	7	20	0	12	32
Engineering Personnel	2	0	30	32	6	0	10,128	10,134
Supervisory Personnel	2	0	2	4	19	0	239	259
Total	15	0	159	174	160	0	27,190	27,350
Special Maintenance								
Maintenance Personnel	35	0	124	159	1,206	0	7,945	9,151
Operating Personnel	18	0	0	18	322	0	0	322
Health Physics Personnel	16	0	5	21	265	0	55	320
Engineering Personnel	5	0	19	24	80	0	1,214	1,294
Supervisory Personnel	3	0	2	5	51	0	168	220
Total	77	0	150	227	1,924	0	9,383	11,306
Waste Processing								
Maintenance Personnel	2	0	0	2	32	0	0	32
Operating Personnel	11	0	1	12	591	0	216	807
Health Physics Personnel	7	0	2	9	509	0	129	638
Engineering Personnel	0	0	0	0	0	0	0	0
Supervisory Personnel	0	0	0	0	0	0	0	0
Total	20	0	3	23	1,132	0	345	1,477
Refueling								
Maintenance Personnel	18	0	53	71	194	0	1,714	1,908
Operating Personnel	12	0	0	12	745	0	0	745
Health Physics Personnel	11	0	8	19	95	0	56	151
Engineering Personnel	2	0	1	3	10	0	33	43
Supervisory Personnel	2	0	1	3	132	0	20	153
Total	45	0	63	108	1,176	0	1,824	3,000
Summary by Job Function								
Maintenance Personnel	194	0	672	866	31,235	0	92,786	124,021
Operating Personnel	174	0	6	180	16,828	0	1,371	18,199
Health Physics Personnel	99	0	43	142	12,495	0	4,954	17,449
Engineering Personnel	26	0	78	104	2,047	0	14,055	16,102
Supervisory Personnel	14	0	12	26	897	0	892	1,789
Grand Total	507	0	811	1,318	63,502	0	114,059	177,560

Note: Workers may be counted in more than one category
Exposure totals are rounded numbers

ATTACHMENT 2B

2000 Nine Mile Point – Unit # 2 Description of Special Maintenance Activities

Job Description

Hydrogen Water Chemistry System Installation and Testing Project

Noble Metals Injection/Application Project

Liquid Radwaste System Modifications (THERMEX)

Reactor Building Pressure Locking Modification

Scram Discharge Volume Line Modification

Feedwater Nozzle (N4) Weld Overlay

Reactor Core Isolation Cooling Keep-Fill Modification