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SUBJECT: "Annual Occupational Exposure Repts for period covering Jan-Dec 1997." W/980227 ltr.

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NIAGARA MOHAWK

GENERATION
BUSINESS GROUP

NINE MILE POINT NUCLEAR STATION/LAKE ROAD, P.O. BOX 63, LYCOMING, NEW YORK 13093

February 27, 1998

NMP1L 1292

United States 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

Gentlemen:

In accordance with the Technical Specifications for Nine Mile Point Nuclear Station Units 1 and 2, Niagara Mohawk Power Corporation is submitting the Annual Occupational Exposure Reports. These reports are enclosed as Attachments 1A/B and 2 A/B, and cover the period January 1, 1997 through December 31, 1997.

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

Sincerely,

Richard B. Abbott
Plant Manager - NMP1

Kim A. Dahlberg
Plant Manager - NMP2

RBA/KAD/lmc
Enclosures

xc: Mr. H. J. Miller, Regional Administrator, Region I
Mr. B. S. Norris, Senior Resident Inspector
Records Management

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Nine Mile Point Nuclear Station Unit # 1 DPR-63 1997 Regulatory Guide 1.16 Report Attachment 1A

Work & Job Function	Numbers of Personnel > 0 mrem				Exposure Totals (mrem)			
	Station Employees	Utilit Employee	Contract & Other	Total Employees	Station Employee	Utilit Employee	Contract & Others	Total Milli-rems
Reactor Operations & Surv.								
Maintenance Personnel	87	0	128	215	2,658	0	647	3,304
Operating Personnel	78	0	6	84	19,865	0	6	19,871
Health Physics Personnel	93	0	56	149	4,943	0	1,079	6,022
Engineering Personnel	98	0	46	144	1,050	0	189	1,239
Supervisory Personnel	28	0	8	36	1,106	0	32	1,138
Total	384	0	244	628	29,621	0	1,954	31,575
Routine Maintenance								
Maintenance Personnel	224	0	479	703	77,067	0	86,991	164,058
Operating Personnel	46	0	2	48	6,919	0	203	7,122
Health Physics Personnel	63	0	41	104	11,974	0	9,184	21,158
Engineering Personnel	93	0	95	188	6,505	0	9,576	16,081
Supervisory Personnel	36	0	18	54	5,042	0	1,684	6,726
Total	462	0	635	1,097	107,507	0	107,638	215,145
In-Service Inspection								
Maintenance Personnel	6	0	186	192	1,177	0	57,132	58,308
Operating Personnel	0	0	0	0	0	0	0	0
Health Physics Personnel	3	0	0	3	9	0	0	9
Engineering Personnel	8	0	29	37	564	0	7,811	8,376
Supervisory Personnel	1	0	4	5	10	0	1,298	1,308
Total	18	0	219	237	1,760	0	66,241	68,001
Special Maintenance								
Maintenance Personnel	71	0	180	251	5,263	0	27,054	32,317
Operating Personnel	2	0	0	2	20	0	0	20
Health Physics Personnel	20	0	3	23	188	0	69	257
Engineering Personnel	38	0	23	61	1,358	0	1,336	2,694
Supervisory Personnel	10	0	4	14	121	0	627	748
Total	141	0	210	351	6,949	0	29,086	36,035
Waste Processing								
Maintenance Personnel	1	0	0	1	2	0	0	2
Operating Personnel	17	0	1	18	2,949	0	429	3,378
Health Physics Personnel	9	0	0	9	280	0	0	280
Engineering Personnel	1	0	3	4	42	0	13	56
Supervisory Personnel	3	0	0	3	26	0	0	26
Total	31	0	4	35	3,300	0	442	3,742
Refueling								
Maintenance Personnel	43	0	94	137	627	0	13,889	14,516
Operating Personnel	17	0	3	20	394	0	119	513
Health Physics Personnel	32	0	18	50	1,823	0	671	2,494
Engineering Personnel	17	0	43	60	586	0	4,642	5,228
Supervisory Personnel	8	0	1	9	93	0	2	95
Total	117	0	159	276	3,522	0	19,323	22,845

Summary by Job Function								
Maintenance Personnel	432	0	1,067	1,499	86,793	0	185,713	272,506
Operating Personnel	160	0	12	172	30,147	0	758	30,904
Health Physics Personnel	220	0	118	338	19,216	0	11,004	30,220
Engineering Personnel	255	0	239	494	10,105	0	23,567	33,672
Supervisory Personnel	86	0	35	121	6,399	0	3,643	10,042
Grand Total	1,153	0	1,471	2,624	152,660	0	224,684	377,344



1997 Nine Mile Point - Unit 1 Exposure for Special Maintenance Activities

Attachment 1B

<u>Job Description</u>	<u>MOD/DDC</u>	<u>Exposure (mRem)</u>
Replace Drywell Equip. and Floor Drain Tank Level Probes	PC1-0037-97	4,186
Upgrade Piping and Supports for RBCLC System Inside the Drywell	PC1-0032-97	12,805
Replace Fiberous Insulation in the Drywell with MIR Insulation	PC1-0048-97	6,311
Replace Fiberous Insulation in the Drywell with MIR insulation	PC1-0053-97	499
Layout and Install Thermex Hose Supports RWP 970083	PC1-0133-96 PC1-0134-96	359
Repair Emergency Condensers RWP 970106 and 970113	PC1-0222-97	9,392
Revise Affected Documents to Show Accurate Plant Configuration	PC1-0060-96 PC1-0076-96	<u>2,483</u>
	Total Exposure	36,035

MOD/DDC = Modification / Design Document Change



Work & Job Function	Numbers of Personnel > 0 mrem				Exposure Totals (mrem)			
	Station Employees	Utilit Employee	Contract & Other	Total Employees	Station Employee	Utilit Employee	Contract & Others	Total Mili-rems
Reactor Operations & Surv.								
Maintenance Personnel	67	0	9	76	2,736	0	81	2,817
Operating Personnel	86	0	3	89	8,805	0	0	8,805
Health Physics Personnel	61	0	1	62	6,439	0	1	6,440
Engineering Personnel	79	0	34	113	800	0	115	915
Supervisory Personnel	31	0	10	41	229	0	14	243
Total	324	0	57	381	19,009	0	211	19,220
Routine Maintenance								
Maintenance Personnel	184	0	34	218	28,414	0	2,348	30,762
Operating Personnel	59	0	1	60	2,063	0	3	2,066
Health Physics Personnel	34	0	0	34	3,517	0	0	3,517
Engineering Personnel	56	0	29	85	1,413	0	886	2,299
Supervisory Personnel	34	0	4	38	1,413	0	133	1,545
Total	367	0	68	435	36,820	0	3,369	40,189
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	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
Special Maintenance								
Maintenance Personnel	64	0	12	76	2,923	0	378	3,301
Operating Personnel	10	0	1	11	62	0	60	122
Health Physics Personnel	14	0	0	14	196	0	0	196
Engineering Personnel	14	0	3	17	163	0	13	176
Supervisory Personnel	5	0	2	7	34	0	15	49
Total	107	0	18	125	3,377	0	467	3,844
Waste Processing								
Maintenance Personnel	0	0	0	0	0	0	0	0
Operating Personnel	16	0	1	17	4,271	0	1,303	5,574
Health Physics Personnel	6	0	0	6	51	0	0	51
Engineering Personnel	0	0	2	2	0	0	61	61
Supervisory Personnel	3	0	0	3	24	0	0	24
Total	25	0	3	28	4,346	0	1,364	5,710
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	315	0	55	370	34,073	0	2,807	36,880
Operating Personnel	171	0	6	177	15,201	0	1,367	16,568
Health Physics Personnel	115	0	1	116	10,203	0	1	10,204
Engineering Personnel	149	0	68	217	2,375	0	1,075	3,450
Supervisory Personnel	73	0	16	89	1,700	0	162	1,862
Grand Total	823	0	146	969	63,552	0	5,411	68,963



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1997 Nine Mile Point - Unit 2 Exposure for Special Maintenance Activities

Attachment 2B

Job Description	MOD / DDC	Exposure (mRem)
RB175 Replace Leaking ICS Pipe	DDC # 2F01548	136
TB250 Repair C Waterbox Leak	DDC # 2F01596A	151
RB306 Replace 2SFC*V227B/2WCS-SOV29A	EDC # 2F01230	109
RB175 Install Emergency Lights	DDC # 2E11357 DDC # 2E11440	145 386
OG261 Flush/Modify 2OFG-DRY1B	DDC # 2M10847	239
DW261 Repack 2WCS*V32	DDC # 2F01727	232
RB289 Install Stiffeners/Remove Snubbers	DDC # 2S11017	333
RB175 Erect Scaffold for MOD SC2-022-93	SC2-022-93	648
RB328 Rebuild 2WCS*AOV31A/2WCS*AOV52A	DDC # 2F01725	282
RB317 Rebuild 2WCS*AOV44C	DDC # 2E11342	257
RB306 & RB328 Snubber Reduction	MOD # N2-95-34	382
Miscellaneous	Various	<u>544</u>
	Total Exposure	3,844

MOD / DDC = Modification / Design Document Change

