



**Constellation
Energy Group**

Nine Mile Point
Nuclear Station

March 15, 2004
NMP1L 1821

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

**SUBJECT: Nine Mile Point Unit Nos. 1 and 2
 Docket Nos. 50-220 and 50-410
 Facility Operating License Nos. DPR-63 and NPF-69

 Annual Occupational Exposure Reports**

Gentlemen:

Nine Mile Point Nuclear Station, LLC is submitting the Annual Occupational Exposure Reports for Nine Mile Point Nuclear Station Units 1 and 2, in accordance with Unit 1 Technical Specification 6.6.1 and Unit 2 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 incorporate the guidance of NRC Regulatory Guide 1.16 (Revision 4), and cover the period January 1, 2003 through December 31, 2004.

Please refer any questions regarding these reports to Mr. Werner Paulhardt, Manager Radiation Protection, at (315) 349-1562.

Sincerely,

A handwritten signature in black ink that reads "L. Hopkins".

Lawrence A. Hopkins
Plant General Manager

RF/bjh
Attachments

cc: Mr. H. J. Miller, NRC Regional Administrator, Region I
 Mr. G. K. Hunegs, NRC Senior Resident Inspector
 Mr. P. S. Tam, Senior Project Manager, NRR (2 copies)

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ATTACHMENT 1A

Nine Mile Point Nuclear Station Unit # 1 DPR-63 2003 Regulatory Guide 1.16 Report

Work & Job Function	Numbers of Personnel > 100 mRem				Exposure Totals (mRem)			Total mRem
	Station Employees	Utility Employees	Contract & Others	Total Employees	Station Employees	Utility Employees	Contract & Others	
Reactor Operations & Surv.								
Maintenance Personnel	102	0	106	208	985	0	3,087	4,072
Operating Personnel	71	0	1	72	7,767	0	133	7,899
Health Physics Personnel	44	0	12	56	1,349	0	563	1,912
Engineering Personnel	8	0	5	13	124	0	51	175
Supervisory Personnel	12	0	1	13	75	0	11	86
Total	237	0	125	362	10,299	0	3,845	14,144
Routine Maintenance								
Maintenance Personnel	170	0	306	476	72,093	0	82,717	154,810
Operating Personnel	73	0	4	77	10,151	0	15	10,166
Health Physics Personnel	72	0	23	95	15,963	0	6,249	22,212
Engineering Personnel	28	0	20	48	4,921	0	2,681	7,603
Supervisory Personnel	20	0	12	32	7,673	0	3,272	10,945
Total	363	0	365	728	110,802	0	94,934	205,736
In-Service Inspection								
Maintenance Personnel	66	0	124	190	641	0	9,498	10,139
Operating Personnel	35	0	0	35	432	0	0	432
Health Physics Personnel	5	0	4	9	128	0	258	386
Engineering Personnel	12	0	10	22	56	0	1,203	1,258
Supervisory Personnel	6	0	2	8	168	0	4	172
Total	124	0	140	264	1,425	0	10,962	12,387
Special Maintenance								
Maintenance Personnel	46	0	171	217	3,430	0	34,888	38,317
Operating Personnel	16	0	0	16	84	0	0	84
Health Physics Personnel	8	0	3	11	32	0	85	117
Engineering Personnel	5	0	10	15	82	0	1,110	1,192
Supervisory Personnel	7	0	5	12	375	0	1,380	1,755
Total	82	0	189	271	4,002	0	37,463	41,466
Waste Processing								
Maintenance Personnel	19	0	6	25	746	0	78	823
Operating Personnel	18	0	4	22	4,301	0	848	5,149
Health Physics Personnel	22	0	2	24	636	0	10	646
Engineering Personnel	1	0	0	1	1	0	0	1
Supervisory Personnel	2	0	0	2	28	0	0	28
Total	62	0	12	74	5,712	0	936	6,648
Refueling								
Maintenance Personnel	62	0	108	170	1,110	0	5,727	6,837
Operating Personnel	21	0	1	22	159	0	5	164
Health Physics Personnel	18	0	3	21	650	0	142	792
Engineering Personnel	13	0	13	26	198	0	231	429
Supervisory Personnel	6	0	2	8	137	0	113	250
Total	120	0	127	247	2,254	0	6,218	8,472
Summary by Job Function								
Maintenance Personnel	465	0	821	1,286	79,004	0	135,994	214,999
Operating Personnel	234	0	10	244	22,893	0	1,000	23,893
Health Physics Personnel	169	0	47	216	18,759	0	7,307	26,066
Engineering Personnel	67	0	58	125	5,381	0	5,277	10,658
Supervisory Personnel	53	0	22	75	8,457	0	4,780	13,237
Grand Total	988	0	958	1,946	134,494	0	154,358	288,852

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

ATTACHMENT 1B

2003 Nine Mile Point – Unit # 1 Description of Special Maintenance Activities

Job Description

Torus Vent Header Drain Modification

Refuel Outage-17 Drywell Control Rod Drive Carousel Modification and Maintenance

Refuel Outage-17 Balance of Plant Reactor Building Closed Loop Cooling Piping Replacement

Refuel Outage-17 Drywell Main Steam Isolation Valve 01-01 and 01-02 Work

Refuel Outage-17 Drywell Engineering Permanent Shielding Walkdown

Refuel Outage-17 Drywell CKV-39-04 Repairs

Refuel Outage-17 Drywell 15 Recirculation Pump Motor Work

Reactor Building Closed Loop Cooling Piping and Valve Replacement (non-High Radiation Areas)

Reactor Building Closed Loop Cooling Piping and Valve Replacement (High Radiation Areas)

ATTACHMENT 2A

Nine Mile Point Nuclear Station Unit # 2 NPF-69 2003 Regulatory Guide 1.16 Report

Work & Job Function	Numbers of Personnel > 100 mRem				Exposure Totals (mRem)			Total mRem
	Station Employees	Utility Employees	Contract & Others	Total Employees	Station Employees	Utility Employees	Contract & Others	
Reactor Operations & Surv.								
Maintenance Personnel	68	0	15	83	969	0	71	1,039
Operating Personnel	60	0	2	62	8,315	0	238	8,553
Health Physics Personnel	40	0	0	40	777	0	0	777
Engineering Personnel	7	0	4	11	100	0	122	222
Supervisory Personnel	7	0	0	7	21	0	0	21
Total	182	0	21	203	10,181	0	431	10,612
Routine Maintenance								
Maintenance Personnel	157	0	128	285	17,871	0	5,703	23,574
Operating Personnel	60	0	2	62	3,042	0	186	3,229
Health Physics Personnel	62	0	2	64	10,221	0	15	10,236
Engineering Personnel	26	0	9	35	1,831	0	262	2,093
Supervisory Personnel	18	0	6	24	1,198	0	147	1,345
Total	323	0	147	470	34,163	0	6,312	40,475
In-Service Inspection								
Maintenance Personnel	2	0	6	8	23	0	23	45
Operating Personnel	0	0	0	0	0	0	0	0
Health Physics Personnel	6	0	0	6	14	0	0	14
Engineering Personnel	7	0	0	7	114	0	0	114
Supervisory Personnel	0	0	0	0	0	0	0	0
Total	15	0	6	21	151	0	23	173
Special Maintenance								
Maintenance Personnel	18	0	42	60	315	0	869	1,184
Operating Personnel	6	0	1	7	28	0	3	31
Health Physics Personnel	14	0	0	14	209	0	0	209
Engineering Personnel	6	0	2	8	20	0	0	21
Supervisory Personnel	4	0	0	4	15	0	0	15
Total	48	0	45	93	587	0	872	1,459
Waste Processing								
Maintenance Personnel	6	0	2	8	3	0	1	4
Operating Personnel	28	0	3	31	2,109	0	914	3,024
Health Physics Personnel	24	0	0	24	709	0	0	709
Engineering Personnel	5	0	0	5	2	0	0	2
Supervisory Personnel	3	0	0	3	7	0	0	7
Total	66	0	5	71	2,829	0	915	3,745
Refueling								
Maintenance Personnel	33	0	1	34	322	0	23	345
Operating Personnel	11	0	0	11	125	0	0	125
Health Physics Personnel	18	0	0	18	108	0	0	108
Engineering Personnel	0	0	0	0	0	0	0	0
Supervisory Personnel	5	0	0	5	18	0	0	18
Total	67	0	1	68	573	0	23	596
Summary by Job Function								
Maintenance Personnel	284	0	194	478	19,502	0	6,689	26,191
Operating Personnel	165	0	8	173	13,620	0	1,341	14,961
Health Physics Personnel	164	0	2	166	12,037	0	15	12,052
Engineering Personnel	51	0	15	66	2,067	0	384	2,451
Supervisory Personnel	37	0	6	43	1,259	0	147	1,405
Grand Total	701	0	225	926	48,484	0	8,576	57,060

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

ATTACHMENT 2B

2003 Nine Mile Point – Unit # 2 Description of Special Maintenance Activities

Job Description

Auxiliary Boiler Feedwater Pipe Replacement