



**Constellation
Energy Group**

Nine Mile Point
Nuclear Station

April 8, 2003
NMP1L 1715

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

SUBJECT: Nine Mile Point Units 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 6.9.1.b and Unit 2 Technical Specification 5.6.1, respectively. 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, 2002 through December 31, 2002.

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

Sincerely,

Lawrence A. Hopkins
Plant General Manager

LAH/IAA/jm
Attachments

xc: Mr. H. J. Miller, Regional Administrator, Region I
Mr. G. K. Hunegs, 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 No. 1 2002 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 mili-Rems |
| Reactor Operations & Surv. | | | | | | | | |
| Maintenance Personnel | 2 | 0 | 38 | 40 | 199 | 0 | 16,125 | 16,324 |
| Operating Personnel | 31 | 0 | 6 | 37 | 2,340 | 0 | 168 | 2,508 |
| Health Physics Personnel | 11 | 0 | 0 | 11 | 2,023 | 0 | 0 | 2,023 |
| Engineering Personnel | 0 | 0 | 1 | 1 | 0 | 0 | 514 | 514 |
| Supervisory Personnel | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 |
| Total | 45 | 0 | 45 | 90 | 4,562 | 0 | 16,807 | 21,369 |
| Routine Maintenance | | | | | | | | |
| Maintenance Personnel | 103 | 0 | 53 | 156 | 10,660 | 0 | 5,167 | 15,827 |
| Operating Personnel | 21 | 0 | 4 | 25 | 1,027 | 0 | 19 | 1,046 |
| Health Physics Personnel | 36 | 0 | 1 | 37 | 4,879 | 0 | 2 | 4,881 |
| Engineering Personnel | 17 | 0 | 8 | 25 | 717 | 0 | 1,548 | 2,265 |
| Supervisory Personnel | 16 | 0 | 2 | 18 | 1,333 | 0 | 162 | 1,494 |
| Total | 193 | 0 | 68 | 261 | 18,615 | 0 | 6,897 | 25,512 |
| In-Service Inspection | | | | | | | | |
| Maintenance Personnel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Operating Personnel | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 |
| Health Physics Personnel | 2 | 0 | 0 | 2 | 5 | 0 | 0 | 5 |
| Engineering Personnel | 1 | 0 | 0 | 1 | 2 | 0 | 0 | 2 |
| Supervisory Personnel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 4 | 0 | 0 | 4 | 9 | 0 | 0 | 9 |
| Special Maintenance | | | | | | | | |
| Maintenance Personnel | 12 | 0 | 3 | 15 | 163 | 0 | 62 | 225 |
| Operating Personnel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Health Physics Personnel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Engineering Personnel | 1 | 0 | 2 | 3 | 1 | 0 | 6 | 8 |
| Supervisory Personnel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 13 | 0 | 5 | 18 | 165 | 0 | 68 | 233 |
| Waste Processing | | | | | | | | |
| Maintenance Personnel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Operating Personnel | 12 | 0 | 4 | 16 | 2,507 | 0 | 928 | 3,434 |
| Health Physics Personnel | 10 | 0 | 0 | 10 | 502 | 0 | 0 | 502 |
| Engineering Personnel | 1 | 0 | 0 | 1 | 2 | 0 | 0 | 2 |
| Supervisory Personnel | 2 | 0 | 0 | 2 | 8 | 0 | 0 | 8 |
| Total | 25 | 0 | 4 | 29 | 3,019 | 0 | 928 | 3,946 |
| 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 | 117 | 0 | 94 | 211 | 11,022 | 0 | 21,354 | 32,376 |
| Operating Personnel | 65 | 0 | 14 | 79 | 5,874 | 0 | 1,114 | 6,989 |
| Health Physics Personnel | 59 | 0 | 1 | 60 | 7,409 | 0 | 2 | 7,411 |
| Engineering Personnel | 20 | 0 | 11 | 31 | 723 | 0 | 2,068 | 2,791 |
| Supervisory Personnel | 19 | 0 | 2 | 21 | 1,342 | 0 | 162 | 1,503 |
| Grand Total | 280 | 0 | 122 | 402 | 26,370 | 0 | 24,700 | 51,070 |

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

ATTACHMENT 1B

2002 Nine Mile Point Nuclear Station Unit No. 1 Description of Special Maintenance Activities

Job Description

Install "Weld-O-Lets" on Dryer/Separator Storage Pit Drain Line

Install Conduit/Supports and Cable 1S-2150

Install New Vent Lines on Reactor Water Clean Up Pre-coat Pump

Stuffing Box Vent Modification on PMP-50-02 and PMP-50-03

Emergency Diesel Generator 102 "Weld-O-Let" Work (Condenser Area only)

Drywell Reactor Building Closed Loop Cooling Vent Valve 70-620 Installation

Install Reactor Building Closed Loop Cooling Vent Valves in Reactor Water Clean Up Auxiliary Pump Room

Modify/Repair Reactor Recirculation Pump Reactor Building Closed Loop Cooling Seal Cooler Lines

Modify/Repair Drywell Area Cooler Reactor Building Closed Loop Cooling Piping

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ATTACHMENT 2A

Nine Mile Point Nuclear Station Unit No. 2 2002 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 mili-Rems |
| Reactor Operations & Surv. | | | | | | | | |
| Maintenance Personnel | 55 | 0 | 140 | 195 | 2,665 | 0 | 13,152 | 15,817 |
| Operating Personnel | 66 | 0 | 11 | 77 | 16,389 | 0 | 1,646 | 18,035 |
| Health Physics Personnel | 21 | 0 | 8 | 29 | 344 | 0 | 78 | 422 |
| Engineering Personnel | 9 | 0 | 14 | 23 | 454 | 0 | 1,318 | 1,772 |
| Supervisory Personnel | 8 | 0 | 2 | 10 | 280 | 0 | 62 | 341 |
| Total | 159 | 0 | 175 | 334 | 20,131 | 0 | 16,256 | 36,387 |
| Routine Maintenance | | | | | | | | |
| Maintenance Personnel | 160 | 0 | 484 | 644 | 50,545 | 0 | 106,634 | 157,179 |
| Operating Personnel | 73 | 0 | 12 | 85 | 4,549 | 0 | 785 | 5,334 |
| Health Physics Personnel | 68 | 0 | 22 | 90 | 18,926 | 0 | 5,863 | 24,789 |
| Engineering Personnel | 28 | 0 | 37 | 65 | 3,653 | 0 | 3,448 | 7,101 |
| Supervisory Personnel | 28 | 0 | 17 | 45 | 4,499 | 0 | 6,389 | 10,888 |
| Total | 357 | 0 | 572 | 929 | 82,171 | 0 | 123,120 | 205,291 |
| In-Service Inspection | | | | | | | | |
| Maintenance Personnel | 7 | 0 | 179 | 186 | 122 | 0 | 28,031 | 28,153 |
| Operating Personnel | 2 | 0 | 0 | 2 | 19 | 0 | 0 | 19 |
| Health Physics Personnel | 14 | 0 | 9 | 23 | 374 | 0 | 272 | 646 |
| Engineering Personnel | 6 | 0 | 22 | 28 | 148 | 0 | 3,911 | 4,059 |
| Supervisory Personnel | 8 | 0 | 6 | 14 | 204 | 0 | 1,081 | 1,284 |
| Total | 37 | 0 | 216 | 253 | 866 | 0 | 33,295 | 34,161 |
| Special Maintenance | | | | | | | | |
| Maintenance Personnel | 48 | 0 | 115 | 163 | 2,398 | 0 | 16,101 | 18,499 |
| Operating Personnel | 30 | 0 | 2 | 32 | 1,371 | 0 | 145 | 1,516 |
| Health Physics Personnel | 23 | 0 | 3 | 26 | 900 | 0 | 74 | 975 |
| Engineering Personnel | 7 | 0 | 14 | 21 | 139 | 0 | 495 | 634 |
| Supervisory Personnel | 6 | 0 | 3 | 9 | 96 | 0 | 176 | 272 |
| Total | 114 | 0 | 137 | 251 | 4,905 | 0 | 16,991 | 21,896 |
| Waste Processing | | | | | | | | |
| Maintenance Personnel | 6 | 0 | 8 | 14 | 1,057 | 0 | 150 | 1,207 |
| Operating Personnel | 11 | 0 | 2 | 13 | 1,683 | 0 | 695 | 2,378 |
| Health Physics Personnel | 12 | 0 | 4 | 16 | 568 | 0 | 322 | 890 |
| Engineering Personnel | 1 | 0 | 1 | 2 | 4 | 0 | 25 | 29 |
| Supervisory Personnel | 3 | 0 | 1 | 4 | 110 | 0 | 4 | 114 |
| Total | 33 | 0 | 16 | 49 | 3,422 | 0 | 1,196 | 4,618 |
| Refueling | | | | | | | | |
| Maintenance Personnel | 50 | 0 | 80 | 130 | 1,708 | 0 | 9,887 | 11,595 |
| Operating Personnel | 22 | 0 | 2 | 24 | 482 | 0 | 19 | 501 |
| Health Physics Personnel | 27 | 0 | 6 | 33 | 2,091 | 0 | 702 | 2,793 |
| Engineering Personnel | 9 | 0 | 9 | 18 | 329 | 0 | 249 | 578 |
| Supervisory Personnel | 8 | 0 | 7 | 15 | 647 | 0 | 779 | 1,426 |
| Total | 116 | 0 | 104 | 220 | 5,257 | 0 | 11,636 | 16,893 |
| Summary by Job Function | | | | | | | | |
| Maintenance Personnel | 326 | 0 | 1,006 | 1,332 | 58,494 | 0 | 173,957 | 232,450 |
| Operating Personnel | 204 | 0 | 29 | 233 | 24,492 | 0 | 3,291 | 27,782 |
| Health Physics Personnel | 165 | 0 | 52 | 217 | 23,203 | 0 | 7,312 | 30,515 |
| Engineering Personnel | 60 | 0 | 97 | 157 | 4,727 | 0 | 9,445 | 14,172 |
| Supervisory Personnel | 61 | 0 | 36 | 97 | 5,835 | 0 | 8,490 | 14,326 |
| Grand Total | 816 | 0 | 1,220 | 2,036 | 116,751 | 0 | 202,494 | 319,245 |

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

ATTACHMENT 2B

2002 Nine Mile Point Nuclear Station Unit No. 2 Description of Special Maintenance Activities

Job Description

Remove Water Cleanup System 17A, B, C, and D Strainers and Replace Water Cleanup System Air Operated Valves

Spent Fuel Pool Rack Expansion Project

Spent Fuel Cooling Flow Improvement Modification Project. Relocate Strainer 5.

2CMS*PNL66A and 2CMS*PNL66B Replacement Modification

Replace Containment Monitoring System Piping Modification

Replace Main Steam Line Test Connection Modification

Modify Drywell Head Area Ventilation Duct

Modify Low Pressure Core Injection Drywell Check Valves (Remove Air Assist)

Modify Residual Heat System Drywell Check Valves (Remove Air Assist)

Replace 2ICS*AOV156 and 2ICS*AOV157

Modify/Repair Main Steam Isolation Valves 2MSS*AOV6A, 2MSS*AOV7A, and 2MSS*AOV7B