

P.O. Box 63  
Lycoming, New York 13093



May 25, 2007

U. S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, DC 20555-0001

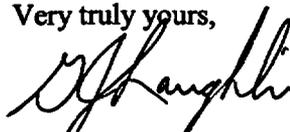
**SUBJECT:                   Nine Mile Point Nuclear Station  
                                  Unit No. 1; Docket No. 50-220  
                                  2007 Owner's Activity Report for Inservice Examinations**

Pursuant to 10 CFR 50.55a, Nine Mile Point Nuclear Station, LLC (NMPNS) is submitting the 2007 Owner's Activity Report for Inservice Examinations for Nine Mile Point Unit 1 (NMP1). This Report summarizes the results of examinations performed during the First Refueling Outage (RFO-19) of the Third Inspection Period of the Third Ten-Year Inspection Interval (December 26, 1999 through December 25, 2009).

This Report meets the requirements of the American Society of Mechanical Engineers (ASME), Code Case N-532-1, approved for use by Regulatory Guide 1.147, "Inservice Inspection Code Case Acceptability, ASME Section XI, Division 1," Revision 13.

Should you have any questions regarding the contents of this letter, please contact T. F. Syrell, Acting Licensing Director, at (315) 349-7198.

Very truly yours,



Gary Jay Laughlin  
Manager Engineering Services

GJL/GB/  
Attachment:   (1)   Nine Mile Point Nuclear Station, Unit 1 2007 Owner's Activity Report for  
                                  Refuel Outage 19 Inservice Examinations.

A047

**Document control Desk**

**May 25, 2007**

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**cc: S. J. Collins, NRC Regional Administrator, Region I  
L. M. Cline, NRC Senior Resident Inspector  
M. J. David, NRR Project Manager**

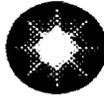
**ATTACHMENT (1)**

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**NINE MILE POINT NUCLEAR STATION, UNIT 1  
2007 OWNER'S ACTIVITY REPORT FOR REFUEL OUTAGE 19  
INSERVICE EXAMINATIONS**

**Report No. NMP1-OAR-003-19, Revision 00, Dated April 26, 2007**

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**Constellation  
Energy Group**

Nine Mile Point  
Nuclear Station

**Constellation Energy Group  
1997 Annapolis Exchange Parkway  
Annapolis, Maryland 21401**

**THIRD INSERVICE INSPECTION INTERVAL  
THIRD INSERVICE INSPECTION PERIOD  
2007 OWNER'S ACTIVITY REPORT  
FOR  
RFO-19 INSERVICE EXAMINATIONS**

Prepared For

**Nine Mile Point Nuclear Station  
P.O. Box 63, Lake Road  
Lycoming, New York 13093**

Commercial Service Date: December 26, 1969  
NRC Docket Number: 50-220  
Document Number: NMP1-OAR-003-019  
Revision Number: 00 Date: April 26, 2007

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Roy Hall – Principal Engineer Analyst Corporate Engineering Programs

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Glenn R Perkins – General Supervisor Corporate Engineering Programs

Reviewed by: *Todd L Davis* 5-8-07  
Todd L Davis – Site IS, Program Implementer

Approved by: *Michael S. Conway* 5-9-07  
Michael S. Conway – General Supervisor Site Engineering Programs

 <b>Constellation Energy Group</b> Nine Mile Point Nuclear Station	<b>Nine Mile Point Nuclear Station Unit 1</b>	<b>NMP1-OAR-003-19</b>
	<b>THIRD INSERVICE INSPECTION INTERVAL          2007 OWNERS' ACTIVITY REPORT          FOR          INSERVICE EXAMINATIONS</b>	<b>Rev. 00</b> <b>Date: April 26, 2007</b> <b>Page 1 - 2 of 1 - 13</b>

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 <b>Constellation Energy Group</b> Nine Mile Point Nuclear Station	<b>Nine Mile Point Nuclear Station Unit 1</b>	<b>NMP1-OAR-003-19</b>
	<b>THIRD INSERVICE INSPECTION INTERVAL          2007 OWNERS' ACTIVITY REPORT          FOR          INSERVICE EXAMINATIONS</b>	<b>Rev. 00</b> <b>Date: April 26, 2007</b> <b>Page 1 - 3 of 1 - 13</b>

<b>RECORD OF REVISION</b>			
<b>REVISION No.</b>	<b>DATE</b>	<b>AFFECTED PAGES</b>	<b>REASON FOR REVISION</b>
00	April 26,2007	Entire Document	Initial issue of Owner's Activity Report for ASME Section XI Inservice Inspection, Risk-Informed Inspection and Containment Inservice Examinations in accordance with the requirements of ASME Code Case N-532-1.

 <b>Constellation Energy Group</b> Nine Mile Point Nuclear Station	<b>Nine Mile Point Nuclear Station Unit 1</b>	<b>NMP1-OAR-003-19</b>
	<b>THIRD INSERVICE INSPECTION INTERVAL          2007 OWNERS' ACTIVITY REPORT          FOR          INSERVICE EXAMINATIONS</b>	Rev. 00 Date: April 26, 2007 Page i - 4 of i - 13

### ABSTRACT

This Owner's Activity Report summarizes the results of the Nine Mile Point Nuclear Station (NMPNS), Unit 1, American Society of Mechanical Engineers (ASME) Section XI Inservice Inspection, Risk-Informed Inspection and Containment Inservice Examinations performed during Refueling Outage Nineteen (RFO-19), from March 17, 2007 through April 15, 2007, and the First outage of the Third Inservice Inspection Period that started on 26 December 2006 and is scheduled to end on 25 December 2009.

As an alternate to the requirements of the ASME, Boiler and Pressure Vessel Code (B&PVC), Section XI, Article IWA-6000, NMPNS is implementing ASME Code Case N-532-1, "Alternative Requirements to Repair and Replacement Documentation Requirements and Inservice Summary Report Preparation and Submission as Required by IWA-4000 and IWA-6000, Section XI, Division 1". Regulatory Guide 1.147, Revision 13, approved ASME Code Case N-532-1 for use. This Report complies with the requirements of Code Case N-532-1 and the conditions identified in RG 1.147.

### OWNER'S ACTIVITY REPORTS - FORM OAR-1

Owner's Activity Reports Form OAR-1's were prepared and certified upon completion of the Nine Mile Point Unit 1, 2007 refueling outage (RFO-19) examination activity in accordance with the following inspection plans and schedules:

- NMP1-ISI-003, Third Inservice Inspection Plan and Schedule
- NMP1-RI-ISI-003, Risk-Informed Inspection Plan and Schedule
- NMP1-IWE-003, First Containment Inservice Inspection Plan and Schedule.

In addition to the Owner's Activity Report, Form OAR-1, the following Tables are also included:

- a. **Abstract of Examinations and Tests, Table 1,** provides such information as ASME Code Examination Category, Total Examinations Required for the Inspection Interval, Total Examinations Required for this Period, Total Examinations Credited (%) for this Period, Total Examinations Credited (%) to Date for the Interval, and any remarks that may be applicable to each Examination Category.
- b. **Items with Flaws or Relevant Conditions that Require Evaluation for Continued Service, Table 2,** provides a listing of item(s) with flaws or relevant conditions that required evaluation to determine acceptability for continued service, whether or not the flaw or relevant condition was discovered during a scheduled examination or test, and provides such information as Examination Category, Examination Item Number, Item Description, Flaw Characterization (as required by IWA-3300).
- c. **Abstract of Repairs, Replacements or Corrective Measures Required for Continued Service, Table 3,** identifies those items containing flaws or relevant conditions that exceeded the ASME Section XI acceptance criteria (IWX-3000) or in the case of supports IWF-3000 acceptance criteria; even though the discovery of the flaw or relevant condition that necessitated the repair, replacement or corrective measure, may not have resulted from an examination or test required by Section XI, and provides such information as Code Class, whether the item is a repair, replacement or corrective action, item description, description of work, if the flaw or relevant condition was found during a scheduled Section XI Examination or test, date completed and the repair replacement plan number.

 <b>Constellation Energy Group</b> Nine Mile Point Nuclear Station	<b>Nine Mile Point Nuclear Station Unit 1</b>	<b>NMP1-OAR-003-19</b>
	<b>THIRD INSERVICE INSPECTION INTERVAL          2007 OWNERS' ACTIVITY REPORT          FOR          INSERVICE EXAMINATIONS</b>	<b>Rev. 00</b> <b>Date: April 26, 2007</b> <b>Page 1 - 5 of 1 - 13</b>

In accordance with ASME Section XI, IWB-2412 (a), IWC-2412, IWD-2412 and IWE-2412(a), and with the exception of the examinations that may be deferred until the end of the inspection interval as specified in Table IWB-2500-1, IWC-2500-1, IWD-2500-1, IWF-2500-1 and IWE-2500-1, including those examinations which NMPNS has requested and received approval in the form of relief request, the required examinations in each examination category have been completed for the Third In-service Inspection Period in accordance with Tables IWB-2412-1, IWC-2412-1, IWD-2412-1, and IWE-2412-1.

 <b>Constellation Energy Group</b> Nine Mile Point Nuclear Station	<b>Nine Mile Point Nuclear Station Unit 1</b>	<b>NMP1-OAR-003-19</b>
	<b>THIRD INSERVICE INSPECTION INTERVAL 2007 OWNERS' ACTIVITY REPORT FOR INSERVICE EXAMINATIONS</b>	Rev. 00 Date: April 26, 2007 Page 1 - 6 of 1 - 13

**FORM OAR-1  
OWNER'S ACTIVITY REPORT**

As required by the provisions of the ASME Code Case N-532-1

Report Number NMP1-OAR-003-19

Owner Constellation Nuclear Generation, 1997 Annapolis Exchange Parkway, Annapolis, Maryland 21401  
(Name and Address of Owner)

Plant Nine Mile Point Nuclear Station, P. O. Box 63, Lake Road, Lycoming, New York 13093  
(Name and Address of Plant)

Plant Unit 1 Commercial Service Date December 26, 1969 Refueling Outage Number RFO-19

Current Inspection Interval Third Inservice Inspection Interval - December 26, 1999 to December 25, 2009  
(1st, 2nd, 3rd, 4th, Other)

Current Inspection Period Third Inservice Inspection Period - December 26, 2006 to December 25, 2009  
(1st, 2nd, 3rd)

Edition and Addenda of Section XI applicable to the Inspection Plan 1989 Edition, No Addenda

Date and Revision of Inspection Plan NMP1-ISI-003, Revision 04, Dated November 28, 2005  
Edition and Addenda of ASME Section XI applicable to Repairs and Replacements, if different than the Inspection Plan N/A

**CERTIFICATE OF CONFORMANCE**

I certify that the statements made in this Owner's Activity Report are correct, and that the examinations, tests, repairs, replacements, evaluations and corrective measures represented by this report conform to the requirements of Section XI.

Certificate of Authorization No. N/A (If applicable) Expiration Date N/A

Signed Glenn R Perkins Date 4/26/07  
(General Supervisor - Corporate Engineering Programs)

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York and employed by Hartford Steam Boiler (HSBCT) of Hartford, Connecticut have inspected the items described in this Owner's Activity Report, during the period 03/19/07 to 04/12/07, and state that to the best of my knowledge and belief, the Owner has performed all activities represented by this report in accordance with the requirements of Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations, tests, repairs, replacements, evaluations and corrective measures described in this report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Ronald P. Anthony Commissions NB9889 A, B, N, I NY 3061  
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/9/07

 <b>Constellation Energy Group</b> Nine Mile Point Nuclear Station	<b>Nine Mile Point Nuclear Station Unit 1</b>	<b>NMP1-OAR-003-19</b>
	<b>THIRD INSERVICE INSPECTION INTERVAL          2007 OWNERS' ACTIVITY REPORT          FOR          INSERVICE EXAMINATIONS</b>	

**FORM OAR-1  
 OWNER'S ACTIVITY REPORT**  
 As required by the provisions of the ASME Code Case N-532-1

Report Number NMP1-OAR-003-19  
 Owner Constellation Nuclear Generation, 1997 Annapolis Exchange Parkway, Annapolis, Maryland 21401  
 (Name and Address of Owner)  
 Plant Nine Mile Point Nuclear Station, P. O. Box 63, Lake Road, Lycoming, New York 13093  
 (Name and Address of Plant)  
 Plant Unit 1 Commercial Service Date December 26, 1969 Refueling Outage Number RFO-19  
 Current Inspection Interval Third Inservice Inspection Interval - December 26, 1999 to December 25, 2009  
 (1st, 2nd, 3rd, 4th, Other)  
 Current Inspection Period Third Inservice Inspection Period - December 26, 2006 to December 25, 2009  
 (1st, 2nd, 3rd)  
 Edition and Addenda of Section XI applicable to the Inspection Plan 1989 Edition, No Addenda  
 Date and Revision of Inspection Plan NMP1-RI-ISI-003, Revision 01, Dated December 30, 2003  
 Edition and Addenda of ASME Section XI applicable to Repairs and Replacements, if different than the Inspection Plan N/A

CERTIFICATE OF CONFORMANCE	
I certify that the statements made in this Owner's Activity Report are correct, and that the examinations, tests, repairs, replacements, evaluations and corrective measures represented by this report conform to the requirements of Section XI.	
Certificate of Authorization No. <u>N/A</u> (If applicable)	Expiration Date <u>N/A</u>
Signed <u>Glenn R Perkins</u> (General Supervisor - Corporate Engineering Programs)	Date <u>5/13/07</u>

CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>New York</u> and employed by <u>Hartford Steam Boiler (HSBCT)</u> of <u>Hartford, Connecticut</u> have inspected the items described in this Owner's Activity Report, during the period <u>03/19/07</u> to <u>04/12/07</u> and state that to the best of my knowledge and belief, the Owner has performed all activities represented by this report in accordance with the requirements of Section XI.	
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations, tests, repairs, replacements, evaluations and corrective measures described in this report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.	
Inspector's Signature <u>Ronald P. Stalony</u>	Commissions <u>NB9889 A. B. N. I NY 3061</u> National Board, State, Province, and Endorsements
Date <u>5/9/07</u>	

 <b>Constellation Energy Group</b> Nine Mile Point Nuclear Station	<b>Nine Mile Point Nuclear Station Unit 1</b>	<b>NMP1-OAR-003-19</b>
	<b>THIRD INSERVICE INSPECTION INTERVAL 2007 OWNERS' ACTIVITY REPORT FOR INSERVICE EXAMINATIONS</b>	Rev. 00 Date: April 26, 2007 Page 1 - 8 of 1 - 13

**FORM OAR-1  
OWNER'S ACTIVITY REPORT**

As required by the provisions of the ASME Code Case N-532-1

Report Number NMP1-OAR-003-19

Owner Constellation Nuclear Generation, 1997 Annapolis Exchange Parkway, Annapolis, Maryland 21401  
(Name and Address of Owner)

Plant Nine Mile Point Nuclear Station, P. O. Box 63, Lake Road, Lycoming, New York 13093  
(Name and Address of Plant)

Plant Unit 1 Commercial Service Date December 26, 1969 Refueling Outage Number RFO-19

Current Inspection Interval First Containment Inspection Interval - December 26, 1999 to December 25, 2009  
(1st, 2nd, 3rd, 4th, Other)

Current Inspection Period Third Inservice Inspection Period - December 26, 2006 to December 25, 2009  
(1st, 2nd, 3rd)

Edition and Addenda of Section XI applicable to the Inspection Plan 1998 Edition, No Addenda

Date and Revision of Inspection Plan NMP1-IWE-003, Revision 05, Dated May 31, 2006

Edition and Addenda of ASME Section XI applicable to Repairs and Replacements, if different than the Inspection Plan N/A

**CERTIFICATE OF CONFORMANCE**

I certify that the statements made in this Owner's Activity Report are correct, and that the examinations, tests, repairs, replacements, evaluations and corrective measures represented by this report conform to the requirements of Section XI.

Certificate of Authorization No. N/A (if applicable) Expiration Date N/A

Signed Glenn R. Perkins Date 4/30/07  
(General Supervisor - Corporate Engineering Programs)

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York and employed by Hartford Steam Boiler (HSBCT) of Hartford, Connecticut have inspected the items described in this Owner's Activity Report, during the period 03/19/07 to 04/20/07, and state that to the best of my knowledge and belief, the Owner has performed all activities represented by this report in accordance with the requirements of Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations, tests, repairs, replacements, evaluations and corrective measures described in this report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature Ronald P. Gately Commissions NB9889 A, B, N, I NY 3061  
National Board, State, Province, and Endorsements

Date 5/9/07

 <b>Constellation Energy Group</b> Nine Mile Point Nuclear Station	<b>Nine Mile Point Nuclear Station Unit 1</b>	<b>NMP1-OAR-003-19</b>
	<b>THIRD INSERVICE INSPECTION INTERVAL          2007 OWNERS' ACTIVITY REPORT          FOR          INSERVICE EXAMINATIONS</b>	Rev. 00 Date: April 26, 2007 Page 1 - 9 of 1 - 13

**TABLE 1**  
**ABSTRACT OF EXAMINATION AND TESTS**  
 As required by the provisions of the ASME Code Case N-532-1

CODE EXAMINATION CATEGORY	TOTAL EXAMINATIONS REQUIRED FOR INTERVAL	*TOTAL EXAMINATIONS REQUIRED FOR THIS PERIOD	TOTAL EXAMINATIONS CREDITED (%) FOR THE PERIOD	TOTAL EXAMINATIONS CREDITED (%) TO DATE FOR THE INTERVAL	REMARKS
B-A	45	33	8 - 24.2%	20 - 44.4%	Deferral Permissible
B-D	80	31	21 - 67.7%	71 - 88.7%	Deferral Permissible
B-G-1	404	135	127 - 84.0%	396 - 98.0%	Deferral Permissible
B-G-2	95	21	8 - 38.0%	82 - 86.3%	
B-K	12	6	3 - 50.0%	9 - 75%	CC N-509
B-L-2	1	1	0 - 0.0%	0 - 0.0%	Deferral Permissible, When Disassembled
B-M-1	1	1	0 - 0.0%	0 - 0.0%	Deferral Permissible
B-M-2	24	11	1 - 0.09%	14 - 68.3%	Deferral Permissible, When Disassembled
B-N-1	99	47	42 - 89.3%	94 - 94.9%	Note 1
B-N-2	28	13	12 - 92.3%	27 - 96.4%	Deferral Permissible
B-O	8	3	3 - 100%	8 - 100%	Deferral Permissible
C-A	4	2	2 - 100%	4 - 100%	
C-B	4	2	2 - 100%	4 - 100%	
C-C	33	13	11 - 84.6%	31 - 93.9%	CC N-509
C-G	21	10	0 - 0.0%	11 - 52.3%	RR-ISI-7, When Disassembled
D-A	25	12	12 - 100%	25 - 100%	CC-N-509
D-B	12	0	0 - 0%	12 - 100%	CC-N-509
D-C	3	0	0 - 0%	3 - 100%	CC-N-509
F-A	201	80	57 - 71.2%	178 - 88.5%	CC N-491-1
R-A	72	34	19 - 55.8%	57 - 79.1%	RI-ISI, Note 2
E-A	2417	791	733 - 92.7%	2359 - 97.6%	Note 1

Notes:

1. 100% of accessible surfaces examined each period
2. Reference RR-RI-ISI-22, all Risk-Informed examinations to be completed in the 2<sup>nd</sup> and 3<sup>rd</sup> periods





 <b>Constellation Energy Group</b> Nine Mile Point Nuclear Station	<b>Nine Mile Point Nuclear Station Unit 1</b>	<b>NMP1-OAR-003-19</b>
	<b>THIRD INSERVICE INSPECTION INTERVAL 2007 OWNERS' ACTIVITY REPORT FOR INSERVICE EXAMINATIONS</b>	<b>Rev. 00</b> <b>Date: April 26, 2007</b> <b>Page 1 - 12 of 1 - 13</b>

**END OF INSERVICE INSPECTION  
OWNER'S ACTIVITY REPORT  
FOR  
REFUELING OUTAGE NINETEEN (RFO-19)**

 <b>Constellation Energy Group</b> Nine Mile Point Nuclear Station	<b>Nine Mile Point Nuclear Station Unit 1</b>	<b>NMP1-OAR-003-19</b>
	<b>THIRD INSERVICE INSPECTION INTERVAL 2007 OWNERS' ACTIVITY REPORT FOR INSERVICE EXAMINATIONS</b>	<b>Rev. 00</b> <b>Date: April 26, 2007</b> <b>Page 1 - 13 of 1 - 13</b>

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