



**Constellation Energy**

Nine Mile Point Nuclear Station

P.O. Box 63  
Lycoming, NY 13093

July 13, 2006

U. S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

**ATTENTION:** Document Control Desk

**SUBJECT:** Nine Mile Point Nuclear Station  
Unit No. 2; Docket No. 50-410

2006 Owner's Activity Report for Inservice Examinations

Pursuant to 10 CFR 50.55a, Nine Mile Point Nuclear Station, LLC (NMPNS) is submitting the 2006 Owner's Activity Report for Inservice Examinations for Nine Mile Point Unit 2. The report summarizes the results of examinations performed during the First Refueling Outage of the Third Inspection Period of the Second Ten-Year Inspection Interval, March 20, 2006 through April 14, 2006.

This report meets the requirements of 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 this submittal, please contact M. H. Miller, Licensing Director, at (315) 349-1510.

Sincerely,

Mark A. Schimmel  
Manager Engineering Services

MAS/RF/sac

Attachment: (1) Second Inservice Inspection Interval Third Inservice Inspection Period  
2006 Owner's Activity Report for RFO-10 Inservice Examinations  
(March 20, 2006 through April 14, 2006)

cc: S. J. Collins, NRC Regional Administrator, Region I  
L. M. Cline, NRC Senior Resident Inspector

A047



**Constellation  
Energy Group**

Nine Mile Point  
Nuclear Station

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

**SECOND INSERVICE INSPECTION INTERVAL  
THIRD INSERVICE INSPECTION PERIOD  
2006 OWNER'S ACTIVITY REPORT  
FOR  
RFO-10 INSERVICE EXAMINATIONS  
(March 20, 2006 through April 14, 2006)**


Prepared For

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

Commercial Service Date: April 5, 1988  
NRC Docket Number: 50-410  
Document Number: NMP2-OAR-006-03  
Revision Number: 00 Date: May 4, 2006

Prepared by: *Edward L. Anderson* 5/4/06  
Edward L. Anderson - NMPNS ISI Program Manager

Approved by: *Michael Conway* 5-4-06  
Michael Conway - General Supervisor Engineering Programs

 <b>Constellation Energy Group</b> Nine Mile Point Nuclear Station	<b>Nine Mile Point Nuclear Station Unit 2</b>	<b>NMP2-OAR-006-03</b>
	<b>SECOND INSERVICE INSPECTION INTERVAL          2006 OWNERS' ACTIVITY REPORT          FOR          INSERVICE EXAMINATIONS</b>	Rev. 00 Date: May 4, 2006 Page i-2 of i-13

**TABLE OF CONTENTS**

Table of Contents..... i-2

Record of Revision.....i-3

Abstract..... i-4

Form OAR-1 Owner's Activity Report for Inservice (ISI) Inspection Plan NMP2-ISI-006 ..... i-6

Form OAR-1 Owner's Activity Report for Risk-Informed (RI-ISI) Inspection Plan NMP2-RI-ISI-006 ..... i-7

Form OAR-1 Owner's Activity Report for Containment (CISI) Inspection Plan NMP2-CISI-006 ..... i-8

Table 1 Abstract of Examination and Tests..... i-9

Table 2 Items with Flaws or Relevant Conditions that Require Evaluation for Continued Service..... i-10

Table 3 Abstract of Repairs, Replacements, or Corrective Measures Required for Continued Service ..... i-11



**Constellation  
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Nine Mile Point  
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Nine Mile Point Nuclear Station Unit 2

**SECOND INSERVICE INSPECTION INTERVAL  
2006 OWNERS' ACTIVITY REPORT  
FOR  
INSERVICE EXAMINATIONS**

NMP2-OAR-006-03


Rev. 00

Date: May 4, 2006

Page i-3 of i-13

**RECORD OF REVISION**

<b>REVISION No.</b>	<b>DATE</b>	<b>AFFECTED PAGES</b>	<b>REASON FOR REVISION</b>
00	May 4, 2006	Entire Document	Initial issue of Owner's Activity Report for ASME Section XI Inservice, Risk-Informed and Containment 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 2</b>	<b>NMP2-OAR-006-03</b>
	<b>SECOND INSERVICE INSPECTION INTERVAL          2006 OWNERS' ACTIVITY REPORT          FOR          INSERVICE EXAMINATIONS</b>	Rev. 00 Date: May 4, 2006 Page i - 4 of i - 13

### ABSTRACT

This Owner's Activity Report summarizes the results of the Nine Mile Point Nuclear Station (NMPNS), Unit 2, American Society of Mechanical Engineers (ASME) Section XI Inservice Inspection, Risk-Informed Inspection and Containment Examinations performed during the 2006 Refueling Outage (RFO-10), from March 20, 2006 through April 14, 2006, and the first outage of the Third Inservice Inspection Period that started on 5 April 2005 and is scheduled to end on 4 April 2008.

As an alternate to the requirements of the ASME, Boiler and Pressure Vessel Code (B&PVC), Section XI, Article IWA-6000, NMPNS submitted Request for Relief ISI-19 on December 15, 2000, to implement ASME Code Case N-532, "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". USNRC Safety Evaluation dated April 10, 2001, under TAC No. MB0585 authorized use during 10-year inspection interval or until such time as the Code Case is referenced in a future revision of 10 CFR 50.55a, at which time NMPNS must follow all provisions in the Code Case with limitation (if any) specified in 10 CFR 50.55a.

Regulatory Guide 1.147, Revision 13, approved ASME Code Case N-532-1 for use. In keeping with the condition imposed under the USNRC authorization of RR-ISI-19, NMPNS is continuing to use the Owner's Activity Report. 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 Report Form OAR-1 were prepared and certified upon completion of the 2006 refueling outage (RFO-10) Examination activity for the following inspection plans:

- NMP2-ISI-006, Inservice Inspection Plan and Schedule
- NMP2-RI-ISI-006, Risk-Informed Inspection Plan and Schedule
- NMP2-CISI-006, Containment 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), and whether the flaw or relevant condition was found during a scheduled Section XI examination or test.

 <b>Constellation Energy Group</b> Nine Mile Point Nuclear Station	<b>Nine Mile Point Nuclear Station Unit 2</b>	<b>NMP2-OAR-006-03</b>
	<b>SECOND INSERVICE INSPECTION INTERVAL          2006 OWNERS' ACTIVITY REPORT          FOR          INSERVICE EXAMINATIONS</b>	Rev: 00 Date: May 4, 2006 Page i - 5 of i - 13

- 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.

In accordance with ASME Section XI, IWB-2412 (a), with the exception of the examinations that may be deferred until the end of the inspection interval as specified in Table IWB-2500-1, and for 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 Inservice Inspection Period in accordance with Table IWB-2412-1.

 <b>Constellation Energy Group</b> Nine Mile Point Nuclear Station	<b>Nine Mile Point Nuclear Station Unit 2</b>	<b>NMP2-OAR-006-03</b>
	<b>SECOND INSERVICE INSPECTION INTERVAL          2006 OWNERS' ACTIVITY REPORT          FOR          INSERVICE EXAMINATIONS</b>	Rev. 00 Date: May 4, 2006 Page i-6 of i-13

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

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

Report Number NMP2-OAR-006-03

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

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

Plant Unit 2 Commercial Service Date April 5, 1988 Refueling Outage Number RFO-10

Current Inspection Interval Second Inservice Inspection Interval - April 5, 1998 to April 4, 2008  
 (1st, 2nd, 3rd, 4th, Other)

Current Inspection Period Third Inservice Inspection Period - April 5, 2005 to April 4, 2008  
 (1st, 2nd, 3rd)

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

Date and Revision of Inspection Plan NMP2-ISI-006, Revision 05, Dated July 27, 2004  
 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 [Signature] Date 5-4-06  
 (General Supervisor - 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 N/A and employed by ABSG Consulting Inc. of Houston, Texas 77060 have inspected the items described in this Owner's Activity Report, during the period 03/20/06 to 04/14/06, 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.

[Signature] Commissions 10195 N.I  
 Inspector's Signature National Board, State, Province, and Endorsements

Date May 8, 2006



**Constellation  
Energy Group**

Nine Mile Point  
Nuclear Station

**Nine Mile Point Nuclear Station Unit 2**

**SECOND INSERVICE INSPECTION INTERVAL  
2006 OWNERS' ACTIVITY REPORT  
FOR  
INSERVICE EXAMINATIONS**

**NMP2-OAR-006-03**

Rev. 00

Date: May 4, 2006

Page i-7 of i-13

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

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

Report Number NMP2-OAR-006-03

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

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

Plant Unit 2 Commercial Service Date April 5, 1988 Refueling Outage Number RFO-10

Current Inspection Interval Second Inservice Inspection Interval - April 5, 1998 to April 4, 2008  
(1st, 2nd, 3rd, 4th, Other)

Current Inspection Period Third Inservice Inspection Period - April 5, 2005 to April 4, 2008  
(1st, 2nd, 3rd)

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

Date and Revision of Inspection Plan NMP2-RI-ISI-006, Revision 01, Dated July 8, 2004

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 [Signature] Date 5-4-06  
(General Supervisor - Engineering Programs)

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I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of N/A and employed by ABSG Consulting Inc. of Houston, Texas 77060 have inspected the items described in this Owner's Activity Report, during the period 03/20/06 to 04/14/06, 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.

[Signature] Commissions 10195 N.I  
Inspector's Signature National Board, State, Province, and Endorsements

Date May 8, 2006



 <b>Constellation Energy Group</b> Nine Mile Point Nuclear Station	<b>Nine Mile Point Nuclear Station Unit 2</b>	<b>NMP2-OAR-006-03</b>
	<b>SECOND INSERVICE INSPECTION INTERVAL          2006 OWNERS' ACTIVITY REPORT          FOR          INSERVICE EXAMINATIONS</b>	Rev. 00 Date: May 4, 2006 Page i-8 of i-13

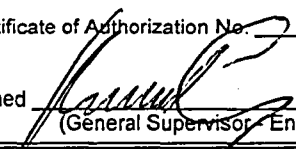
**FORM OAR-1**  
**OWNER'S ACTIVITY REPORT**  
 As required by the provisions of the ASME Code Case N-532-1

Report Number NMP2-OAR-006-03  
 Owner Nine Mile Point Nuclear Station, LLC, P.O. Box 63 Lake Road, Lycoming, New York 13093  
 (Name and Address of Owner)  
 Plant Nine Mile Point Nuclear Station, P. O. Box 63, Lycoming, New York 13093  
 (Name and Address of Plant)  
 Plant Unit 2 Commercial Service Date April 5, 1988 Refueling Outage Number RFO-10  
 Current Inspection Interval First Inservice Inspection Interval - April 5, 1998 to April 4, 2008  
 (1st, 2nd, 3rd, 4th, Other)  
 Current Inspection Period Third Inservice Inspection Period - April 5, 2005 to April 4, 2008  
 (1st, 2nd, 3rd)  
 Edition and Addenda of Section XI applicable to the Inspection Plan 1998 Edition, No Addenda  
 Date and Revision of Inspection Plan NMP2-CISI-006, Revision 01, Dated June 25, 2004  
 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.

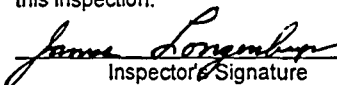
Certificate of Authorization No. N/A Expiration Date N/A  
 (If applicable)

Signed  Date 5-4-06  
 (General Supervisor - Engineering Programs)

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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.

 Commissions 10195 N.I  
 Inspector's Signature National Board, State, Province, and Endorsements

Date May 8, 2006



**Constellation  
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Nine Mile Point  
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**Nine Mile Point Nuclear Station Unit 2**

**SECOND INSERVICE INSPECTION INTERVAL  
2006 OWNERS' ACTIVITY REPORT  
FOR  
INSERVICE EXAMINATIONS**

**NMP2-OAR-006-03**

Rev. 00

Date: May 4, 2006

Page i - 9 of i - 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	35	13	2 - 15.3%	24 - 68.5%	Deferral Permissible
B-D	66	22	17 - 77.2%	61 - 92.4%	Deferral Permissible
B-G-1	308	130	129 - 99.2%	307 - 99.6%	Deferral Permissible
B-G-2	94	39	9 - 23.0%	64 - 68.0%	Note 1
B-K	8	1	0 - 0.0%	7 - 87.5%	CC N-509
B-L-2	1	1	0 - 0.0%	0 - 0.0%	Deferral Permissible, When Disassembled
B-M-2	35	22	1 - 4.5%	14 - 40.0%	Deferral Permissible, When Disassembled
B-N-1	255	113	81 - 71.6%	223 - 87.4%	Note 2
B-N-2	15	3	0 - 0.0%	12 - 80.0%	Deferral Permissible
B-O	14	6	6 - 100%	14 - 100%	Deferral Permissible
C-A	2	1	1 - 100%	2 - 100%	Note 3
C-B	4	2	0 - 0.0%	2 - 50.0%	Note 3
C-C	8	2	2 - 100%	8 - 100%	CC N-509
C-D	1	0	0 - 0.0%	1 - 100%	
C-G	58	33	12 - 36.3%	37 - 63.7%	RR-IWC-1, When Disassembled
D-A	24	8	8 - 100%	24 - 100%	CC-N-509
E-A	2773	896	863 - 96.3%	2330 - 98.8%	Note 2
F-A	267	83	83 - 100%	267 - 100%	CC N-491-1
L-A	122	61	60 - 98.3%	121 - 99.1%	Note 4
R-A	170	60	39 - 65.0%	149 - 87.6%	RI-ISI, Note 5
R-C	25	5	5 - 100%	25 - 100%	RI-BER's, Note 5

- Notes:
1. Does not include 185 CRD's examined when disassembled
  2. 100% of accessible surfaces examined each period
  3. All examinations are performed during 2<sup>nd</sup> or 3<sup>rd</sup> period
  4. Category requires 100% examination every 5 years
  5. Reference RR-RI-ISI-2, all examinations to be completed in the 2<sup>nd</sup> and 3<sup>rd</sup> periods







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Nine Mile Point  
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**Nine Mile Point Nuclear Station Unit 2**

**SECOND INSERVICE INSPECTION INTERVAL  
2006 OWNERS' ACTIVITY REPORT  
FOR  
INSERVICE EXAMINATIONS**

**NMP2-OAR-006-03**

Rev. 00

Date: May 4, 2006

Page i-12 of i-13

**End of Inservice Inspection**

**Owner's Activity Report**

**For**

**Refueling Outage Ten (RFO-10)**



**Constellation  
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Nine Mile Point  
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Nine Mile Point Nuclear Station Unit 2

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2006 OWNERS' ACTIVITY REPORT  
FOR  
INSERVICE EXAMINATIONS**

NMP2-OAR-006-03

Rev. 00

Date: May 4, 2006

Page i - 13 of i - 13

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