

Constellation Energy

Nine Mile Point Nuclear Station

P.O. Box 63
Lycoming, NY 13093

March 23, 2006

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

ATTENTION: Document Control Desk

SUBJECT: Nine Mile Point Nuclear Station
Unit Nos. 1 & 2; Docket Nos. 50-220 & 50-410

License Renewal Application – Second Submittal of Update Information per
Requirements of 10 CFR 54.21(b) (TAC Nos. MC3272 and MC3273)

By letter dated May 26, 2004, Nine Mile Point Nuclear Station, LLC (NMPNS) submitted a License Renewal Application (LRA) for the operating licenses of Nine Mile Point Units 1 and 2. In accordance with 10 CFR 54.21(b), NMPNS is required to submit a summary of the current licensing basis (CLB) changes that materially affect the content of the application that have occurred since the review performed for the submittal of the first Annual Update Letter (NMP1L 2009 dated December 20, 2005) and at least three months before scheduled completion of the NRC's review of the Application. This includes the Updated Final Safety Analysis Report (UFSAR) Supplement (Unit 1) and the Updated Safety Analysis Report (USAR) Supplement (Unit 2).

NMPNS has completed a review of the pertinent documents, including the UFSAR and USAR Supplements, and identified a modification that materially affects the Application. Attachment 1 provides a description of the modification and the resultant changes to the Application. This letter contains no new regulatory commitments.

Should you have questions regarding the information in this submittal, please contact P. A. Mazzaferro, NMPNS License Renewal Project Manager, at (315) 349-1019.

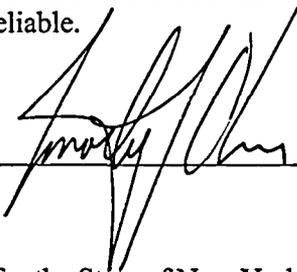
Very truly yours,

Timothy J. O'Connor
Vice President Nine Mile Point

A107

STATE OF NEW YORK :
: TO WIT:
COUNTY OF OSWEGO :

I, Timothy J. O'Connor, begin duly sworn, state that I am Vice President Nine Mile Point, and that I am duly authorized to execute and file this submittal on behalf of Nine Mile Point Nuclear Station, LLC. To the best of my knowledge and belief, the statements contained in this document are true and correct. To the extent that these statements are not based on my personal knowledge, they are based upon information provided by other Nine Mile Point employees and/or consultants. Such information has been reviewed in accordance with company practice and I believe it to be reliable.



Subscribed and sworn before me, a Notary Public in and for the State of New York and County of Oswego, this 23 day of March, 2006.

WITNESS my Hand and Notarial Seal:



Notary Public

My Commission Expires:

3/23/06
Date

SANDRA A. OSWALD
Notary Public, State of New York
No. 01OS6032276
Qualified in Oswego County
Commission Expires 10/28/09

TJO/MRF/sac

Attachments: (1) Description of Modification and the Resultant Amended License Renewal Application Changes

cc: S. J. Collins, NRC
T. G. Colburn, NRC
N. B. Lee, NRC
Resident Inspector, NRC
J. P. Spath, NYSERDA

ATTACHMENT (1)

**DESCRIPTION OF MODIFICATION AND THE RESULTANT
AMENDED LICENSE RENEWAL APPLICATION CHANGES**

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**DESCRIPTION OF MODIFICATION AND THE RESULTANT
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The following modification has been implemented since the review performed for the submittal of the first annual update letter (NMP1L 2009 dated December 20, 2005) and materially affects the Amended License Renewal Application (ALRA). The modification was installed at Nine Mile Point Unit 1 (NMP1). The resulting additions to the existing ALRA are shown in *italics*.

MODIFICATION

This modification installed a weather hood over the Emergency Diesel Generator Exhaust Ventilator, which is part of the safety-related Diesel Generator Building Ventilation System. The weather hood is installed as a structure on the roof of the Emergency Diesel Generator Building (included as part of the Turbine Building in the ALRA) to protect the exhaust ventilator from the direct accumulation of snow, ice, and/or water on the integral dampers. The changes to the ALRA as a result of the installation of this modification are shown below.

The requisite revision to Table 2.4.A.10-1, NMP1 Turbine Building, as it occurs within the last 6 rows of the table on ALRA page 2.4-25, is shown below.

Component	Component Type in Table 3.5.2.A-9	Intended Functions
Control Room Structural Fasteners	Fasteners (Carbon and Low Alloy Steel) in Air	Structural Support
Control Room/Auxiliary Control Room Penetration Seals	Seals and Gaskets	Structural Pressure Barrier
Control Room/Auxiliary Control Room Penetration Sleeves	Structural Steel (Carbon and Low Alloy Steel) in Air	Structural Support Structural Pressure Barrier
<i>Diesel Generator Exhaust Ventilator Weather Hood</i>	<i>Aluminum in Air</i>	<i>Shelter/Protection</i>
	<i>Fasteners (Wrought Austenitic Stainless Steel) in Air</i>	<i>Structural Support</i>
	<i>Structural Steel (Carbon and Low Alloy Steel) in Air</i>	<i>Structural Support</i>
Diesel Generator Foundations	Concrete in Air	Structural Support
	Concrete in Soil Below in GWT	Structural Support
Diesel Generator Room Ceiling	Concrete in Air	Shelter/Protection Structural Support
Diesel Generator Room Concrete Floors	Concrete in Air	Fire Barrier Structural Support Shelter/Protection NSR Structural Support

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DESCRIPTION OF MODIFICATION AND THE RESULTANT
AMENDED LICENSE RENEWAL APPLICATION CHANGES

The information under the Materials heading of ALRA Section 3.5.2.A.9, on pages 3.5-17 and 3.5-18, is revised as follows:

3.5.2.A.9 NMP1 TURBINE BUILDING

Materials

The materials of construction for the NMP1 Turbine Building components are:

- *Aluminum*
- Carbon or Low Alloy Steel (Yield Strength < 100 Ksi)
- Concrete
- Gray Cast Iron
- Masonry Walls
- Polymers
- *Stainless Steel*

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**DESCRIPTION OF MODIFICATION AND THE RESULTANT
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Table 3.5.2.A-9, as shown on ALRA page 3.5-82, is revised as follows:

**Table 3.5.2.A-9 Structures and Component Supports
NMP1 Turbine Building – Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Program	NUREG-1801 Volume 2 Item	Table 1 Item	Notes
<i>Aluminum in Air</i>	<i>SP</i>	<i>Aluminum</i>	<i>Air</i>	<i>None</i>	<i>None</i>			<i>None</i>
Block Wall in Air	FB RD SFS	Masonry Walls	Air	Cracking	<u>Masonry Wall Program</u>	III.A3.3-a	<u>3.5.1.A-24</u>	<u>A</u>
Concrete in Air	DF FB RD SP SPB SFS NSS	Concrete	Air	None	<u>Fire Protection Program</u> <u>Structures Monitoring Program</u>			<u>H, 6</u>
Concrete in Soil Above the GWT	RD SP SPB SFS NSS	Concrete	Soil, above the water table	None	<u>Structures Monitoring Program</u>			<u>H, 6</u>
Concrete in Soil Below the GWT	DF RD SP SPB SFS NSS	Concrete	Soil, below the water table	None	<u>Structures Monitoring Program</u>			<u>H, 6</u>
Doors	FP	Carbon or Low Alloy Steel (Yield Strength < 100 Ksi)	Air, relative motion between components	Loss of Material	<u>Structures Monitoring Program</u>	III.A3.2-a	<u>3.5.1.A-20</u>	<u>A</u>
	FP FB	Carbon or Low Alloy Steel (Yield Strength < 100 Ksi)	Air, relative motion between components	Loss of Material	<u>Fire Protection Program</u>	VII.G.2-d	<u>3.3.1.A-20</u>	<u>A</u>

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DESCRIPTION OF MODIFICATION AND THE RESULTANT
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Table 3.5.2.A-9, as shown on ALRA page 3.5-83, is revised as follows:

**Table 3.5.2.A-9 Structures and Component Supports
NMP1 Turbine Building – Summary of Aging Management Evaluation**

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Program	NUREG-1801 Volume 2 Item	Table 1 Item	Notes
Doors (cont'd)	FB	Carbon or Low Alloy Steel (Yield Strength < 100 Ksi)	Air, relative motion between components	Loss of Material	<u>Fire Protection Program</u>	VII.G.2-d	<u>3.3.1.A-20</u>	<u>A</u>
	FB NSS	Carbon or Low Alloy Steel (Yield Strength < 100 Ksi)	Air, relative motion between components	Loss of Material	<u>Fire Protection Program</u>	VII.G.2-d	<u>3.3.1.A-20</u>	<u>A</u>
	SP	Carbon or Low Alloy Steel (Yield Strength < 100 Ksi)	Air, relative motion between components	Loss of Material	<u>Structures Monitoring Program</u>	III.A3.2-a	<u>3.5.1.A-20</u>	<u>A</u>
	NSS	Carbon or Low Alloy Steel (Yield Strength < 100 Ksi)	Air, relative motion between components	Loss of Material	<u>Structures Monitoring Program</u>	III.A3.2-a	<u>3.5.1.A-20</u>	<u>A</u>
Expansion/ Grouted Anchors (Carbon and Low Alloy Steel) in Air	SFS NSS	Carbon or Low Alloy Steel (Yield Strength < 100 Ksi)	Air	Loss of Material	<u>Structures Monitoring Program</u>	III.A3.2-a	<u>3.5.1.A-20</u>	<u>A</u>
			Concrete	Loss of Anchor Capacity	<u>Structures Monitoring Program</u>	III.B1.2.3-a	<u>3.5.1.A-29</u>	<u>A</u>
Fasteners (Carbon and Low Alloy Steel) in Air	SFS NSS	Carbon or Low Alloy Steel (Yield Strength < 100 Ksi)	Air	Loss of Material	<u>Structures Monitoring Program</u>	III.A3.2-a	<u>3.5.1.A-20</u>	<u>A</u>
<i>Fasteners (Wrought Austenitic Stainless Steel) in Air</i>	<i>SFS</i>	<i>Wrought Austenitic Stainless Steel</i>	<i>Air</i>	<i>None</i>	<i>None</i>			<i>None</i>
Gray Cast Iron in Air	SP	Gray Cast Iron	Air	Loss of Material	<u>Structures Monitoring Program</u>			<u>J</u>
Seals and Gaskets	ES SPB	Polymers	Air	Loss of Sealing	<u>Structures Monitoring Program</u>			<u>J</u>