



HITACHI

GE Hitachi Nuclear Energy

Anthony E. McFadden
Plant Manager

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Ser: PM 16-023

December 16, 2016

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Director, Division of Spent Fuel Management
Office of Nuclear Material Safety and Safeguards
Washington, DC 20555-0001

**Subject: GEH Morris Operation Submittal of Biennial Report 10CFR72.48;
Changes, Tests, and Experiments**

**Reference: SNM-2500
Docket 72-1**

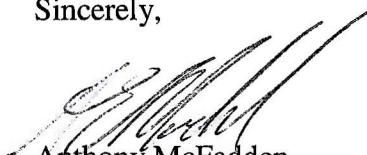
This letter is submitted, on behalf of GE Hitachi Nuclear Energy Americas, LLC (GEH), per the requirements of 10CFR72.48(d)(2) for the period of 2015 and 2016 for GEH Morris Operation (MO).

A total of six 72.48 evaluations were conducted from the period of 01 Jan 2015 to 16 Dec 2016. None of the evaluations warranted an amendment to the current NRC license (SNM-2500).

A brief description and summary of the evaluations are included in the attached enclosures (Encl's 1-6).

Please do not hesitate to contact me if there are any questions.

Sincerely,



Anthony McFadden
Plant Manager
GEH Morris Operation

Director, Division of Spent Fuel Management

GEH Morris Operation Submittal of Biennial Report 10CFR72.48; Changes, Tests, and Experiments

Ser: PM 16-023

December 16, 2016

Page 2 of 2

Commitments: No commitments have been made in this letter.

Enclosures:

1. 72.48 Evaluation for Securing Cask Receiving Area (CRA) Air Sampler
2. 72.48 Evaluation for Changing Frequency of Radiological Surveys
3. 72.48 Evaluation for Expanding Inspection Criteria per MO Standard Operating Procedure (SOP) 16-17 Fuel Storage System Inspection
4. 72.48 Evaluation for Renumbering SOP's not Associated with SNM-2500
5. 72.48 Evaluation for Changing Frequency of Radiological Surveys for UF6 Loadout Room
6. 72.48 Evaluation for Lobby Addition to Administration Building



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Employees Only
MOI-430

72.48 Applicability Analysis for Changes, Tests, Experiments

Description of Activity:

Securing the CRA air sampler / REVISION MOSP-12

Does this activity:

Yes No

<input checked="" type="checkbox"/>	Require an amendment to the license, SNM-2500, due to a change in technical specifications?
<input checked="" type="checkbox"/>	Result in more than a minimal increase in the frequency of occurrence of an accident previously evaluated in the CSAR?
<input checked="" type="checkbox"/>	Result in more than a minimal increase in the likelihood of occurrence of a malfunction of a system, structure, or component (SSC) important to safety previously evaluated in the CSAR?
<input checked="" type="checkbox"/>	Result in more than a minimal increase in the consequences of an accident previously evaluated in the CSAR?
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<input checked="" type="checkbox"/>	Create a possibility for a malfunction of an SSC important to safety with a different result than the previously evaluated in the CSAR?
<input checked="" type="checkbox"/>	Result in a design basis limit for fission product barrier as described in the CSAR being exceeded or altered?
<input checked="" type="checkbox"/>	Result in a departure from a method of evaluation described in the CSAR used in establishing the design bases or in the safety analyses?

A **YES** response to any of the questions in the list will require an amendment to the license, SNM-2500 and NRC approval prior to implementation.

If all responses are **NO**, written records shall be produced which provide the basis for the determination that the change, test, or experiment does not require a license amendment.

 Prepared by: [Signature] Title: OPERATOR Date: 1/28/15

 Operations & Maintenance Coordinator: [Signature] Date: 1/28/15

 Administrator, EHS & Procurement: [Signature] Date: 1/29/15

 QA Administrator: [Signature] Date: FEB 16 2015

 Manager, Morris Operation: [Signature] Date: 1/29/15



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GE Hitachi Nuclear Energy

CJ Lauterbur
GEH Morris Operation
Operator
(815) 942-5590 x123

TO: 72.48 File
Cc: Plant Manager
FROM: CJL
DATE: 1/28/15
SUBJECT: CRA Air Sampler

A review of the plant documentation and procedures has been performed to determine if the CRA air sampler is required since radioactive material areas and handling has stopped in that area. The review of the documents and procedures shows that there is no requirement to have the air sampler in operation at the current time. When/If radioactive material operations begin again in the CRA, the air sampler can be placed back in operation. Therefore the conclusion of review indicates that IAW 10CFR72.48, no action is required for amending the license to recognize action.

A handwritten signature in black ink, appearing to read 'CJ Lauterbur'.

Chris Lauterbur
Operator



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 Employees Only
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72.48 Applicability Analysis for Changes, Tests, Experiments

Description of Activity:

Change the frequency of Radiation and Contamination surveys on site according to usage of areas and history of surveys conducted in areas.

Does this activity:

Yes No

<input type="checkbox"/>	<input checked="" type="checkbox"/>	Require an amendment to the license, SNM-2500, due to a change in technical specifications?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Result in more than a minimal increase in the frequency of occurrence of an accident previously evaluated in the CSAR?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Result in more than a minimal increase in the likelihood of occurrence of a malfunction of a system, structure, or component (SSC) important to safety previously evaluated in the CSAR?
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A **YES** response to any of the questions in the list will require an amendment to the license, SNM-2500 and NRC approval prior to implementation.

If all responses are **NO**, written records shall be produced which provide the basis for the determination that the change, test, or experiment does not require a license amendment.

 Prepared by: C.L. GUKELSEN Title: OPERATOR/RAD TECH Date: 3/3/15

 Operations & Maintenance Coordinator: [Signature] Date: 3/12/15

 Administrator, EHS & Procurement: [Signature] Date: 3/12/15

 QA Administrator: [Signature] Date: MAR 19 2015

 Manager, Morris Operation: [Signature] Date: 3/18/15


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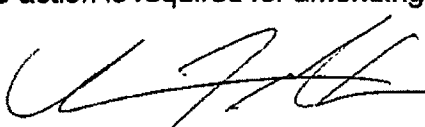
C L Gukeisen
 GEH Morris Operation
 Operator
 (815) 942-5590 x144

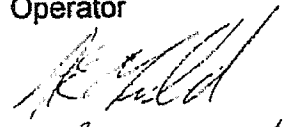
TO: 72.48 File
Cc: Plant Manager
FROM: CLG
DATE: 3/2/15
SUBJECT: Survey Periodicity

A review of the plant documentation and procedures has been performed to determine if the periodicity can be changed for Contamination and Radiation surveys. The following areas survey frequency will be change.

<u>Area Surveyed</u>	<u>Previous Frequency</u>	<u>New Frequency</u>
Fluorine Building (F Bldg.)	Weekly	Monthly
Electro Decon Room (EDR)	Monthly	Quarterly
37' Level Process Building	Monthly	Quarterly
South Plug Gallery (SPG)	Semi-Annual	Quarterly
Water Tower	Semi-Annual	Quarterly
Well House	Semi-Annual	Quarterly
North Warehouse	Quarterly	Annually
Hydraulic Equipment Room	Quarterly	Annually
Room-135 Process Building	Semi-Annually	Annually
UF ₆ Load out Room	Semi-Annually	Annually
Weight Room	Semi-Annually	Annually
Vent Supply Room (VS)	Semi-Annually	Annually
UPS Room*	Semi-Annually	Annually
Mock up Tower (MUT)	Semi-Annually	Annually
P _u N _p Load out Room	Semi-Annually	Annually

A review of past surveys, current usage, and procedures shows that frequency of the surveys can be adjusted and still provides adequate Radiation protection to Site Personnel and the General Public. When/If plant operations change that could require additional or more frequent surveys to be performed the periodicity can be changed. Therefore the conclusion of the review indicates that IAW 10CFR72.48, no action is required for amending the license to recognize action.


 Christopher L. Gukeisen
 Operator

 3/3/15
 Plant MGR/KSO



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Employees Only
MOI-430

72.48 Applicability Analysis for Changes, Tests, Experiments

Description of Activity:

Changing SOP 16-17 from Basin Building Structure Inspection to Fuel Storage System Inspection and including all the elements listed in SNM-2500 Technical Specifications section 5.2. This expands the inspection of the fuel basin area with aging management in mind.

Does this activity:
Yes No

<input checked="" type="checkbox"/>	<input type="checkbox"/>	Require an amendment to the license, SNM-2500, due to a change in technical specifications?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Result in more than a minimal increase in the frequency of occurrence of an accident previously evaluated in the CSAR?
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<input checked="" type="checkbox"/>	<input type="checkbox"/>	Result in a departure from a method of evaluation described in the CSAR used in establishing the design bases or in the safety analyses?

A **YES** response to any of the questions in the list will require an amendment to the license, SNM-2500 and NRC approval prior to implementation.

If all responses are **NO**, written records shall be produced which provide the basis for the determination that the change, test, or experiment does not require a license amendment.

Prepared by: F. C. Partney Title: OMC Date: 8/6/15

Operations & Maintenance Coordinator: [Signature] Date: 8/6/15

Administrator, EHS & Procurement: [Signature] Date: 8/6/15

QA Administrator: [Signature] Date: AUG 10 2015

Manager, Morris Operation: [Signature] Date: 8/6/15

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GE Hitachi Nuclear Energy

Bo Partney

GEH Morris Operation

Operations & Maintenance Coordinator

(815) 942-5590 x112

TO: 72.48 File
Cc: Plant Manager
FROM: OMC
DATE: 8/6/2015
SUBJECT: SOP 16-17 Fuel Storage System
Inspection

A thorough evaluation of the expansion of this procedure has been conducted. The result of the review is as follows:

The additions to this procedure expand the inspection of the fuel storage system to include more than just the fuel basin building itself. The history of this inspection can be traced back to the Site Preventative Maintenance System prior to being included in section 16 of the SOPs (compliance related procedures). This change indicates a focus on aging management of the fuel storage components and an escalation of the importance of the inspections. This change in no way reduces the effectiveness of this system. The intent is the exact opposite, it enhances the effectiveness of the fuel storage system because the inspection procedure is more informative and it will allow the site to better trend issues that are discovered.

Therefore the conclusion of review indicates that IAW 10CFR72.48, no action is required for amending the license to recognize this procedure change.

Bo Partney
Operations & Maintenance Coordinator



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72.48 Applicability Analysis for Changes, Tests, Experiments

Description of Activity:

The following SOPs are being moved to Section 17 – Operability Testing of the MO SOPs to distinguish these tests as not specifically called out in SNM-2500:

- 16-16 (17-16) BLD System Operation
- 16-81 (17-81) Ventilation System
- 16-82 (17-82) Sand Filter Delta P
- 16-90 (17-90) Emergency Generator
- 16-91 (17-91) Back-up Generator Sequencing
- 16-95 (17-95) 24V DC Load Test
- 16-101 (17-101) Routine Process Stream Samples

Does this activity:

Yes No

<input type="checkbox"/>	<input checked="" type="checkbox"/>	Require an amendment to the license, SNM-2500, due to a change in technical specifications?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Result in more than a minimal increase in the frequency of occurrence of an accident previously evaluated in the CSAR?
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<input type="checkbox"/>	<input checked="" type="checkbox"/>	Result in a design basis limit for fission product barrier as described in the CSAR being exceeded or altered?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Result in a departure from a method of evaluation described in the CSAR used in establishing the design bases or in the safety analyses?

A **YES** response to any of the questions in the list will require an amendment to the license, SNM-2500 and NRC approval prior to implementation.

If all responses are **NO**, written records shall be produced which provide the basis for the determination that the change, test, or experiment does not require a license amendment.

Prepared by: F. C. Partney Title: OMC Date: 8/24/15

Operations & Maintenance Coordinator: [Signature] Date: 8/24/15

Administrator, EHS & Procurement: [Signature] Date: 8/24/15

QA Administrator: [Signature] Date: AUG 27 2015

Manager, Morris Operation: [Signature] Date: 8/24/15



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GE Hitachi Nuclear Energy

Bo Partney
GEH Morris Operation
Operations & Maintenance Coordinator
(815) 942-5590 x112

TO: 72.48 File
Cc: Plant Manager
FROM: OMC
DATE: 8/24/2015
SUBJECT: SOP Section 17 Addition

A thorough evaluation of the addition of this section and moving various procedures has been conducted. The result of the review is as follows:

The following SOPs are being moved to Section 17 – Operability Testing of the MO SOPs to distinguish these tests as not specifically called out in SNM-2500:

- 16-16 (17-16) BLD System Operation
- 16-81 (17-81) Ventilation System
- 16-82 (17-82) Sand Filter Delta P
- 16-90 (17-90) Emergency Generator
- 16-91 (17-91) Back-up Generator Sequencing
- 16-95 (17-95) 24V DC Load Test
- 16-101 (17-101) Routine Process Stream Samples

These tests are important to the operability of the facility and will continue to be executed in the same manner at the same frequency. Renumbering the procedures to the operability section of the SOPs clears confusion about which tests are specifically required by the facility license and which are being conducted for support equipment and/or supplemental information. This change does not reduce the effectiveness of operations at MO in regards to license compliance.

Therefore the conclusion of review indicates that IAW 10CFR72.48, no action is required for amending the license to recognize this procedure change.

Bo Partney
Operations & Maintenance Coordinator



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72.48 Applicability Analysis for Changes, Tests, Experiments

Review Number: SC-

Description of Activity:

Change frequency of radiation and contamination survey for UF6 Loadout room, based on its designation as a radioactive material storage area. UF6 Loadout room will now be surveyed on a weekly basis.

Does this activity:

Yes No

<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Require an amendment to the license, SNM-2500, due to a change in technical specifications?
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Result in more than a minimal increase in the frequency of occurrence of an accident previously evaluated in the CSAR?
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Result in more than a minimal increase in the likelihood of occurrence of a malfunction of a system, structure, or component (SSC) important to safety previously evaluated in the CSAR?
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<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Create a possibility for a malfunction of an SSC important to safety with a different result than the previously evaluated in the CSAR?
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Result in a design basis limit for fission product barrier as described in the CSAR being exceeded or altered?
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A **YES** response to any of the questions in the list will require an amendment to the license, SNM-2500 and NRC approval prior to implementation.

If all responses are **NO**, written records shall be produced which provide the basis for the determination that the change, test, or experiment does not require a license amendment. Changes and evaluation summaries shall be reported to the NRC every two years.

Prepared by: A.E. McFadden Title: Plant Manager Date: 10/15/15

Safety Committee Approval (required if any of the above questions are answered Yes)

Operations & Maintenance Coordinator: [Signature] Date: 10/15/15

Administrator, EHS & Procurement: [Signature] Date: 10/19/15

QA Administrator: [Signature] Date: OCT 21 2015

Manager, Morris Operation: [Signature] Date: 10/19/15

Note: Additional pages may be attached to provide specific information required to address any of the above questions



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GE Hitachi Nuclear Energy

GEH Morris Operation
7555 East Collins Rd
Morris, IL 60450

TO: 72.48 File
Cc: N/A
FROM: AEM
DATE: 10/15/15
SUBJECT: UF6Loadout Rm Survey Frequency

The UF6 Loadout room is now designated as a Radioactive Material Storage Area. To ensure potentially changing radiation levels are monitored on a more frequent and consistent basis, the survey frequency will be changed from what would have been an annual survey (based on 72.48 dated March 2015) to a weekly survey for both radiation and contamination.

A review of past surveys, current usage, and procedures shows that frequency of the surveys can be adjusted and still provides adequate Radiation protection to Site Personnel and the General Public. When/If plant operations change that could require additional or more frequent surveys to be performed, the periodicity can be changed. Therefore the conclusion of the review indicates that IAW 10CFR72.48, no action is required for amending the license to recognize action.



A.E. McFadden
Plant Manager



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Enclosure 6
 Pg 1 of 2

Employees Only
MOI-430

72.48 Applicability Analysis for Changes, Tests, Experiments

Review Number: SC – 2016-48-01

Description of Activity:

Addition of a lobby/receiving area on the north entrance of the administration building. This area will allow for an additional buffer zone from the public prior to accessing the Site.

Does this activity:

Yes No

<input type="checkbox"/>	<input checked="" type="checkbox"/>	Require an amendment to the license, SNM-2500, due to a change in technical specifications?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Result in more than a minimal increase in the frequency of occurrence of an accident previously evaluated in the CSAR?
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A **YES** response to any of the questions in the list will require an amendment to the license, SNM-2500 and NRC approval prior to implementation.

If all responses are **NO**, written records shall be produced which provide the basis for the determination that the change, test, or experiment does not require a license amendment. Changes and evaluation summaries shall be reported to the NRC every two years.

Prepared by: Franklin C. Partney Title: OMC Date: 11/3/2016
 Safety Committee Approval (required if any of the above questions are answered Yes)

Operations & Maintenance Coordinator: [Signature] Date: 11/3/16
 Administrator, EHS & Procurement: [Signature] Date: 11/3/16
 QA Administrator: N/A Date: N/A
 Manager, Morris Operation: [Signature] Date: 11/3/16

Note: Additional pages may be attached to provide specific information required to address any of the above questions

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72.48 Continuation PageReview Number: SC-2016-48-01

The basis for the "NO" responses in the Analysis above are justified because this project does nothing to reduce the effectiveness of the safety systems in place for licensed activities. Also, this project requires no changes to the Physical Security Plan or the Emergency Plan. This modification falls under Functional Class 4 (non-nuclear safety related) and QA Effort Required is level E (QA spot audit for classification) Per MOI-431, Design and Facility Classification.