



10 CFR 50.73

NMP1L 3093
July 12, 2016

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

Nine Mile Point Nuclear Station, Unit 1
Renewed Facility Operating License No. DPR-63
Docket No. 50-220

Subject: NMP1 Licensee Event Report 2016-001, Secondary Containment Inoperable
Due to Simultaneous Opening of Airlock Doors

In accordance with the reporting requirements contained in 10 CFR 50.73(a)(2)(v)(C), please find enclosed NMP1 Licensee Event Report (LER) 2016-001, Secondary Containment Inoperable Due to Simultaneous Opening of Airlock Doors.

There are no regulatory commitments contained in this letter.

Should you have any questions regarding the information in this submittal, please contact Dennis Moore, Site Regulatory Assurance Manager, at (315) 349-5219.

Respectfully,

A handwritten signature in black ink that reads "Robert E. Kreider Jr." in a cursive style.

Robert E. Kreider Jr.
Plant Manager, Nine Mile Point Nuclear Station
Exelon Generation Company, LLC

REK/KJK

Enclosure: NMP1 Licensee Event Report 2016-001, Secondary Containment Inoperable
Due to Simultaneous Opening of Airlock Doors

cc: NRC Regional Administrator, Region I
NRC Resident Inspector
NRC Project Manager

IE 22
NR2

Enclosure

NMP1 Licensee Event Report 2016-001,
Secondary Containment Inoperable Due to Simultaneous Opening of Airlock Doors

Nine Mile Point Nuclear Station, Unit 1
Renewed Facility Operating License No. DPR-63



LICENSEE EVENT REPORT (LER)
(See Page 2 for required number of digits/characters for each block)

Estimated burden per response to comply with this mandatory collection request: 80 hours. Reported lessons learned are incorporated into the licensing process and fed back to industry. Send comments regarding burden estimate to the FOIA, Privacy and Information Collections Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to Infocollects.Resource@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0104), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

| | | |
|---|-------------------------------------|--------------------------|
| 1. FACILITY NAME Nine Mile Point Unit 1 | 2. DOCKET NUMBER 05000220 | 3. PAGE 1 OF 5 |
|---|-------------------------------------|--------------------------|

4. TITLE
Secondary Containment Inoperable Due to Simultaneous Opening of Airlock Doors

| 5. EVENT DATE | | | 6. LER NUMBER | | | 7. REPORT DATE | | | 8. OTHER FACILITIES INVOLVED | |
|---------------|-----|------|---------------|-------------------|---------|----------------|-----|------|------------------------------|---------------|
| MONTH | DAY | YEAR | YEAR | SEQUENTIAL NUMBER | REV NO. | MONTH | DAY | YEAR | FACILITY NAME | DOCKET NUMBER |
| 06 | 01 | 2016 | 2016 | - 001 | - 00 | 07 | 12 | 2016 | N/A | N/A |
| | | | | | | | | | FACILITY NAME | DOCKET NUMBER |
| | | | | | | | | | N/A | N/A |

9. OPERATING MODE **11. THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check all that apply)**

| | | | | |
|------|---|---|---|---|
| 1 | <input type="checkbox"/> 20.2201(b) | <input type="checkbox"/> 20.2203(a)(3)(i) | <input type="checkbox"/> 50.73(a)(2)(ii)(A) | <input type="checkbox"/> 50.73(a)(2)(viii)(A) |
| | <input type="checkbox"/> 20.2201(d) | <input type="checkbox"/> 20.2203(a)(3)(ii) | <input type="checkbox"/> 50.73(a)(2)(ii)(B) | <input type="checkbox"/> 50.73(a)(2)(viii)(B) |
| | <input type="checkbox"/> 20.2203(a)(1) | <input type="checkbox"/> 20.2203(a)(4) | <input type="checkbox"/> 50.73(a)(2)(iii) | <input type="checkbox"/> 50.73(a)(2)(ix)(A) |
| | <input type="checkbox"/> 20.2203(a)(2)(i) | <input type="checkbox"/> 50.36(c)(1)(i)(A) | <input type="checkbox"/> 50.73(a)(2)(iv)(A) | <input type="checkbox"/> 50.73(a)(2)(x) |
| | <input type="checkbox"/> 20.2203(a)(2)(ii) | <input type="checkbox"/> 50.36(c)(1)(ii)(A) | <input type="checkbox"/> 50.73(a)(2)(v)(A) | <input type="checkbox"/> 73.71(a)(4) |
| 100% | <input type="checkbox"/> 20.2203(a)(2)(iii) | <input type="checkbox"/> 50.36(c)(2) | <input type="checkbox"/> 50.73(a)(2)(v)(B) | <input type="checkbox"/> 73.71(a)(5) |
| | <input type="checkbox"/> 20.2203(a)(2)(iv) | <input type="checkbox"/> 50.46(a)(3)(ii) | <input checked="" type="checkbox"/> 50.73(a)(2)(v)(C) | <input type="checkbox"/> 73.77(a)(1) |
| | <input type="checkbox"/> 20.2203(a)(2)(v) | <input type="checkbox"/> 50.73(a)(2)(i)(A) | <input type="checkbox"/> 50.73(a)(2)(v)(D) | <input type="checkbox"/> 73.77(a)(2)(i) |
| | <input type="checkbox"/> 20.2203(a)(2)(vi) | <input type="checkbox"/> 50.73(a)(2)(i)(B) | <input type="checkbox"/> 50.73(a)(2)(vii) | <input type="checkbox"/> 73.77(a)(2)(ii) |
| | | <input type="checkbox"/> 50.73(a)(2)(i)(C) | <input type="checkbox"/> OTHER | Specify in Abstract below or in NRC Form 366A |

12. LICENSEE CONTACT FOR THIS LER

| | |
|---|--|
| LICENSEE CONTACT Dennis Moore, Site Regulatory Assurance Manager | TELEPHONE NUMBER (Include Area Code) (315) 349-5219 |
|---|--|

13. COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT

| CAUSE | SYSTEM | COMPONENT | MANUFACTURER | REPORTABLE TO EPIX | CAUSE | SYSTEM | COMPONENT | MANUFACTURER | REPORTABLE TO EPIX |
|-------|--------|-----------|--------------|--------------------|-------|--------|-----------|--------------|--------------------|
| N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

| | | | | |
|--|-------------------------------------|-------|-----|------|
| 14. SUPPLEMENTAL REPORT EXPECTED <input type="checkbox"/> YES (If yes, complete 15. EXPECTED SUBMISSION DATE) <input checked="" type="checkbox"/> NO | 15. EXPECTED SUBMISSION DATE | MONTH | DAY | YEAR |
| | | N/A | N/A | N/A |

ABSTRACT (Limit to 1400 spaces, i.e., approximately 15 single-spaced typewritten lines)

On Wednesday June 1, 2016, at approximately 1046, the secondary containment of the Nine Mile Point Unit 1 (NMP1) Reactor Building was momentarily breached when workers opened both airlock doors on elevation 261 simultaneously. The integrity of the airlock was re-established within 5 seconds when one of the doors was closed and latched. The cause of this event is personal accountability. With clear understanding of the expectations for using the airlock doors in conjunction with all mechanical barriers (lights, buzzers, monitors) functioning properly, the individual failed to use human performance tools to verify the airlock was not already being used by other individuals. This condition is reportable under 10 CFR 50.72(b)(3)(v)(C) and 10 CFR 50.73(a)(2)(v)(C).

NRC FORM 366A
(11-2015)

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0104

EXPIRES: 10/31/2018



LICENSEE EVENT REPORT (LER) CONTINUATION SHEET

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| 1. FACILITY NAME | 2. DOCKET NUMBER | 3. LER NUMBER | | |
|------------------------|------------------|---------------|-------------------|---------|
| | | YEAR | SEQUENTIAL NUMBER | REV NO. |
| Nine Mile Point Unit 1 | 05000-220 | 2016 | - 001 | - 00 |

NARRATIVE

I. DESCRIPTION OF EVENT

A. PRE-EVENT PLANT CONDITIONS:

Prior to the event, Nine Mile Point Unit 1 (NMP1) was operating at 100% reactor power.

B. EVENT:

On Wednesday June 1, 2016, at approximately 1046, the secondary containment of the Unit 1 Reactor Building was breached when workers opened both airlock doors on elevation 261 simultaneously. The integrity of the airlock was re-established within 5 seconds when one of the doors was closed and latched.

During the event, two groups of individuals were attempting to use the Unit 1 airlock doors D-52 and D-53 simultaneously while exiting the Reactor Building. The cause of this event is personal accountability. With clear understanding of the expectations for using the airlock doors in conjunction with all mechanical barriers (lights, buzzers, monitors) functioning properly, the individual failed to use human performance tools to verify the airlock was not already being used by other individuals.

Operations review determined that the simultaneous opening of both secondary containment airlock doors constituted a momentary loss of secondary containment per Technical Specification 3.4.3 and NUREG 1022, Revision 3. This event represents a potential loss of secondary containment safety function as presented in Technical Specification 3.4.3, Access Control. This condition is reportable under 10 CFR 50.72(b)(3)(v)(C) and 10 CFR 50.73(a)(2)(v)(C) as any event or condition that could have prevented the fulfillment of the safety function of structures or systems that are needed to control the release of radioactive material.

Nine Mile Point Unit 2 (NMP2) was unaffected by both airlock doors being open at NMP1.

The event has been entered into the plant's corrective action program as IR 2676493.

C. INOPERABLE STRUCTURES, COMPONENTS, OR SYSTEMS THAT CONTRIBUTED TO THE EVENT:

No other systems, structures, or components contributed to this event.

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NARRATIVE

D. DATES AND APPROXIMATE TIMES OF MAJOR OCCURRENCES AND OPERATOR ACTIONS:

The dates, times, and major occurrences and operator actions for this event are as follows. All dates are 2016.

June 1

- 1046 Individual 1 had entered the airlock via door D-53 (inner door) and was in the process of exiting the airlock via door D-52 (outer door).
- 1046 Without verifying on the monitors that other personnel were either in the airlock or attempting to enter the airlock through the opposing door D-52, Individual 2 opened door D-53 while Individual 1 was opening door D-52.
- 1046 Upon the realization that both doors had been breached simultaneously, the doors were immediately (less than 5 seconds) closed re-establishing containment integrity.

During the time both doors are open, NMP1 Limiting Condition of Operation 3.4.3 is not met.

E. METHOD OF DISCOVERY:

This event was self-identified by station personnel traversing the Reactor Building airlock doors.

F. SAFETY SYSTEM RESPONSES:

The duration of the event was 5 seconds, or less. Review of the Reactor Building differential pressure as recorded by the plant process computer for the time period of the event indicated that the actual differential pressure remained negative and was unaffected by the brief simultaneous opening of the airlock doors. Operators entered the applicable TS action statement then exited it soon afterwards. The event concluded when the airlock door was shut.

II. CAUSE OF EVENT:

The cause of this event is personal accountability. With clear understanding of the expectations for using the airlock doors in conjunction with all mechanical barriers (lights, buzzers, monitors) functioning properly, the individual failed to use human performance tools to verify the airlock was not already being used by other individuals.

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NARRATIVE

III. ANALYSIS OF THE EVENT:

Simultaneous opening of both reactor building airlock doors is reportable under 10 CFR 50.72(b)(3)(v)(C) and 10 CFR 50.73(a)(2)(v)(C) as any event or condition that could have prevented the fulfillment of the safety function of structures or systems that are needed to control the release of radioactive material.

Secondary containment structural integrity, the ability to automatically isolate the non-safety related Reactor Building ventilation system, and the Reactor Building Emergency Ventilation System availability were not impacted by the event. It is concluded that the safety significance of this event is low and the event did not pose a threat to the health and safety of the public or plant personnel.

The analysis of the event determined the safety function was not prevented from being fulfilled, the occurrence is not considered a safety system functional failure. This event does not affect the NRC Regulatory Oversight Process Indicators.

IV. CORRECTIVE ACTIONS:

A. ACTION TAKEN TO RETURN AFFECTED SYSTEMS TO PRE-EVENT NORMAL STATUS:

Airlock doors were closed and secondary containment was restored to Operable status.

B. ACTION TAKEN OR PLANNED TO PREVENT RECURRENCE:

In accordance with station policies and procedures, Performance Management was applied to the individual who failed to use their human performance tools resulting in both airlock doors being opened simultaneously.

V. ADDITIONAL INFORMATION:

A. FAILED COMPONENTS:

There were no failed components that contributed to this event.

B. PREVIOUS LERs ON SIMILAR EVENTS:

NMP1 LER 2014-004, August 13, 2014.
 NMP1 LER 2014-005, October 16, 2014.
 NMP1 LER 2014-006, October 20, 2014.
 NMP1 LER 2015-001, February 11, 2015.
 NMP1 LER 2015-002, March 3, 2015.

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NARRATIVE

NMP1 LER 2015-003, August 5, 2015.

For the LERs listed above, the secondary containment of the Nine Mile Point Unit 1 (NMP1) Reactor Building was breached when workers opened both inner and outer airlock doors simultaneously while passing through. The integrity of the airlock was re-established within 5 seconds, or less, when one of the doors was closed and latched. Secondary Containment differential pressure was unaffected by these events.

C. THE ENERGY INDUSTRY IDENTIFICATION SYSTEM (EIS) COMPONENT FUNCTION IDENTIFIER AND SYSTEM NAME OF EACH COMPONENT OR SYSTEM REFERRED TO IN THIS LER:

| <u>COMPONENT</u> | <u>IEEE 803 FUNCTION IDENTIFIER</u> | <u>IEEE 805 SYSTEM IDENTIFICATION</u> |
|-------------------------------------|-------------------------------------|---------------------------------------|
| Reactor Building (BWR) | N/A | NG |
| Reactor Building Ventilation System | PDIC | VA |
| Airlock Door | DR | NG |

D. SPECIAL COMMENTS:

None