

## NRR-PMDAPEm Resource

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**From:** Purnell, Blake  
**Sent:** Tuesday, April 28, 2015 8:58 AM  
**To:** Byam, Timothy  
**Cc:** Tate, Travis; patrick.simpson@exeloncorp.com  
**Subject:** Clinton Power Station, Unit 1 - Request for Additional Information Regarding Relief Request 2203 (TAC No. MF5344)  
**Attachments:** Clinton RR 2203 RAI2.docx

Mr. Tim Byam:

On December 1, 2014, Exelon Generation Company, LLC (the licensee) submitted relief request (RR) 2203 for Clinton Power Station (CPS), Unit 1 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML14335A541). The licensee provided supplemental information to support this RR by letter dated March 26, 2015 (ADAMS Accession No. ML15085A458).

RR 2203 was requested because CPS will transition to a 12-month fuel cycle beginning in the spring of 2015. In the past, CPS has operated with a 24-month fuel cycle and the current cycle is scheduled to be 18-months ending this spring. The RR is a proposed alternative to the requirements of the American Society of Mechanical Engineers (ASME), "Code for Operation and Maintenance of Nuclear Power Plants," 2004 Edition (OM Code), Subsections ISTC-3521(e), ISTC-3521(h), ISTC-3522(c), and ISTC-3522(f). These OM Code subsections require that ASME Class 1, 2, and 3 valves in an inservice testing cold shutdown justification (CSJ) or refueling justification (RFJ) be tested each refueling outage. The licensee's proposed alternative is to test CSJ and RFJ valves every 2 years.

The NRC staff has reviewed the RR and supplemental response and determined that it needs additional information to complete its review. The licensee is requested to respond to the attached request for additional information by June 19, 2015. If you have any questions about this request, contact me at (301) 415-1380.

Sincerely,

Blake Purnell, Project Manager  
Plant Licensing Branch III-2 and  
Planning and Analysis Branch  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission

Docket No. 50-461

**Hearing Identifier:** NRR\_PMDA  
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**Subject:** Clinton Power Station, Unit 1 - Request for Additional Information Regarding Relief Request 2203 (TAC No. MF5344)  
**Sent Date:** 4/28/2015 8:57:53 AM  
**Received Date:** 4/28/2015 8:57:00 AM  
**From:** Purnell, Blake

**Created By:** Blake.Purnell@nrc.gov

**Recipients:**

"Tate, Travis" <Travis.Tate@nrc.gov>

Tracking Status: None

"patrick.simpson@exeloncorp.com" <patrick.simpson@exeloncorp.com>

Tracking Status: None

"Byam, Timothy" <timothy.byam@exeloncorp.com>

Tracking Status: None

**Post Office:**

Files	Size	Date & Time
MESSAGE	1784	4/28/2015 8:57:00 AM
Clinton RR 2203 RAI2.docx		24652

**Options**

**Priority:** Standard

**Return Notification:** No

**Reply Requested:** No

**Sensitivity:** Normal

**Expiration Date:**

**Recipients Received:**

## REQUEST FOR ADDITIONAL INFORMATION

### RELIEF REQUEST 2203

### CLINTON POWER STATION, UNIT 1

### TAC NO. MF5344

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The NRC staff has reviewed the RRs and determined that it needs additional information to complete its review.

#### **Background**

In its March 26, 2015, letter, the licensee states it reviewed the performance history of the 70 valves that are designated as RFJ valves. The letter stated:

Reactor Core Isolation Cooling [RCIC] System testable check valve (i.e., 1E51-F066) has experienced multiple failures with the last two in consecutive outages. This valve is in a position to be tested during "refueling only outages" in addition to "refueling/ maintenance outages." Until four consecutive years of tests are passed, this valve will be tested each refueling outage (i.e., 1 year test interval).

#### **Request for Additional Information**

Describe how testing will change if an RFJ valve that is tested once every 2 years fails a test. The response should specify changes in test frequency and the number of consecutive passed tests required to return the valve to a 2-year test interval (i.e., information similar to what was provided for the RCIC system testable check valve above).