

To: Jim Mehl, ERU Supervisor  
From: Zack Clayton, Rad Coordinator  
Subject: August Monthly Report  
Date: September 4, 2013

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## Beans

Training: 1  
Drills: 0  
Meetings: 1  
Technical Assistance: 1  
Public Assistance: 0

Web Page Views: There were 29 page views in August .

## Coming Attractions

9/3 Working Group  
9/10 Perry Dry Run  
9/23 Perry HAB Exercise  
10/1 Working Group  
10/14 URSB meeting  
10/23 NEPAC

## Facility updates

### **Davis-Besse Nuclear Power Station**

Davis-Besse operated at full power for the month.

At 1925 EDT on 08/18/2014 an equipment failure prevented a boundary door to the Shield Building Negative Pressure Area to latch closed upon egress, thereby preventing fulfillment of the Station Emergency Ventilation System safety function. Necessary door repairs per normal station practices were completed at 1935 EDT to establish full safety system function. See Event no. 50381.

### **Perry Nuclear Power Plant**

Perry operated at full power for the month.

## **Beaver Valley Power Station**

### **Beaver Valley Unit I**

Unit I operated at full power for the month.

### **Beaver Valley Unit II**

Unit II operated at full power for the month.

On August 29, Unit 2 lost the capability to monitor the digital Radiation Monitoring System. Compensatory measures to monitor this system were put in place until the system was restored and normal function was confirmed. This notification was for information only and no additional actions or notifications are required.

## **DTE**

### **Fermi II**

Fermi II operated at full power for the month.

On July 8 Fermi II discovered a 2500 gallon diesel leak to secondary containment. The cause has not been reported. See Event 50264.

### **Fermi III**

Fermi III continues as a documentation evaluation.

## **Portsmouth Enrichment Plant**

On 8/20/2014, 0820 hrs workers were performing a maintenance evolution to change the machine drive unit (MDU) software, one of the four primary isolation valves comprising the machine isolation valve (MIV) set. This did not close as required. This is a safety related system. The issue has been repaired. See Event 50384.

## **Activity**

8/6 Working Group Review and update of action items, agency updates, and discussion of emergent items.

8/21 Perry Systems training Normal Annual Offsite Response Emergency Action Level training. A training session on MIDAS was conducted afterward for Dose Assessment.

## Office Issues

OEPA is investigating acquiring digital meters and tablets that will work with RAD Responder for field data.

RAT training is considered for Oct 1 and 2 for the DOE TEPP MERRTT Course at Lake County EOC.

## Statistics, NRC Reports, News, and ADAMS References

### Operating Power Levels

July

Date	BV1	BV2	DB	Perry	Fermi2
1	100	100	100	100	100
4	100	100	100	100	100
11	100	100	100	100	100
18	100	100	100	100	100
25	100	100	100	100	100
31	100	100	100	100	100

### Plant Reports

Part 21	Event Number: 50371
Rep Org: ABB, INC Licensee: ABB, INC Region: 1 City: FLORENCE State: SC County: License #: Agreement: Y Docket: NRC Notified By: DAVID BROWN HQ OPS Officer: JEFF ROTTON	Notification Date: 08/15/2014 Notification Time: 11:00 [ET] Event Date: 08/15/2014 Event Time: [EDT] Last Update Date: 08/15/2014
Emergency Class: NON EMERGENCY 10 CFR Section:	Person (Organization): SILAS KENNEDY (R1DO)

21.21(d)(3)(i) - DEFECTS AND NONCOMPLIANCE

GEORGE HOPPER (R2DO)  
MICHAEL KUNOWSKI (R3DO)  
JACK WHITTEN (R4DO)  
PART 21 GROUP (EMAI)

**Event Text**

**NOTICE OF DEVIATION REGARDING K-LINE CIRCUIT BREAKER SECONDARY CLOSE LATCH**

The following information was excerpted from a facsimile received from ABB, Inc:

"This letter provides notification of a failure to comply with specifications associated with a secondary close latch, part number 716610K01, used in K-Line 225/800 and 1600/2000 amp electrically operated Model 7 circuit breakers. This does not affect previous models of these same breakers that have not been upgraded to include the interlocking primary and secondary close latches. It also does not affect manually operated Kline breakers or K3000/4000 circuit breakers. Information is provided as specified in 10CFR21 paragraph 21.21(d)(4).

"Notifying individual: Jay Lavrinc, Vice President & General Manager, ABB (Medium Voltage Service), 2300 Mechanicsville Road, Florence, SC 29501

"Identification of the Subject component: ABB part number 716610K01 secondary close latch. This secondary close latch is used on new legacy K-Line Model 7 electrically operated circuit breakers. It is also used during breaker refurbishments when a secondary close latch is required to be replaced because of damage or wear. The secondary close latch is available as a component part and is also used in K-Line Model 7 up-grade kits.

"If a breaker is sent in for refurbishment the primary and secondary latches are replaced unless it is required in the customer PO that they not be replaced unless they are damaged or worn.

"Nature of the deviation: During outgoing inspection a breaker went trip free during the operational phase of the testing procedure. The inspector found that the cam attached to the top of the secondary close latch, 716610K01, was not properly riveted in place. The head of the rivet was not pushed down flush against the side of the cam. Since the rivet was not seated properly, the other end of the rivet did not project through the other side of the latch and therefore the bradded end of the rivet was not deformed in a manner to sufficiently apply the required holding force to keep the cam in its proper and secure operating position.

"Corrective actions include:

- a. Perform 100% inspection all part number 716610K01 secondary close latches in inventory to identify the nonconforming latches. (Action complete)
- b. Trained inspectors and breaker assemblers on identifying this condition (Action Complete)
- c. Contact primary vendor to investigate cause and correct on future orders. (Action Complete)
- d. Verified that this is the only assembly with bradding that this vendor provides. (Action complete)
- e. Notification of the potential existence of this deviation to affected customers (Action to be completed by 18 August 2014)

"Affected Customers: Constellation Energy, **DTEEnergy**, Entergy Operations, Exelon Corporation

"Recommendations: It is recommended that affected Licensees that have received latches that were identified as having been provided from parts that fall under this notification take the following actions:

"If the latch is in their inventory as a component, in a kit or in a breaker that is not currently in use it is suggested that the secondary trip latch be inspected for this condition. Inspection should include visual inspection of the rivets to confirm they are properly seated and bradded and physical manipulation of the cam to determine that it is securely held in place in the assembly.

"If a suspect latch is installed in a breaker that is currently installed and energized we recommend that at their next maintenance cycle, the secondary close latch in the breaker be inspected for this condition.

"We currently cycle Kline breakers that are refurbished approximately 55 close/open operations before they ship from the Florence facility. New breakers get at least that many operations or more. If a breaker has shipped out of the Florence facility during this period it is unlikely that the breaker would get through inspection without failing with a latch that is improperly riveted. ABB cannot guarantee that no latch on a breaker that shipped is affected but we do not see it as a likely occurrence with the testing that the breaker is subjected to prior to shipment. There have been no field failures reported that were attributed to this manufacturing issue."

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Power Reactor	Event Number: 50381
Facility: DAVIS BESSE Region: 3 State: OH Unit: [1] [ ] [ ] RX Type: [1] B&W-R-LP NRC Notified By: THOMAS COBBLEDICK HQ OPS Officer: CHARLES TEAL	Notification Date: 08/19/2014 Notification Time: 14:29 [ET] Event Date: 08/18/2014 Event Time: 19:25 [EDT] Last Update Date: 08/19/2014
Emergency Class: NON EMERGENCY 10 CFR Section: 50.72(b)(3)(v)(C) - POT UNCNTRL RAD REL 50.72(b)(3)(v)(D) - ACCIDENT MITIGATION	Person (Organization): DAVE PASSEHL (R3DO)

Unit	SCRAM Code	RX CRIT	Initial PWR	Initial RX Mode	Current PWR	Current RX Mode
1	N	Y	100	Power Operation	100	Power Operation

**Event Text**

SHIELD BUILDING BOUNDARY DOOR FAILED TO LATCH

"At 1925 EDT on 08/18/2014 an equipment failure prevented a boundary door to the Shield Building Negative Pressure Area to latch closed upon egress, thereby preventing fulfillment of

the Station Emergency Ventilation System safety function. Necessary door repairs per normal station practices were completed at 1935 EDT to establish full safety system function.

"This event was previously considered not reportable. Subsequent review determined the event reportable. The NRC Resident has been notified of the event. The failure to meet the 8-hour reporting requirement has been entered into the Corrective Action Program."

The licensee will notify the State, Ottawa, and Lucas counties

\* \* \* UPDATE FROM THOMAS COBBLEDICK TO JOHN SHOEMAKER AT 1027 EDT ON 8/20/14 \* \* \*

"At approximately 0413 [EDT] on 8/20/14, the boundary door to the Shield Building Negative Pressure Area again failed to latch closed upon egress. The door was able to be closed and latched at 0419, restoring the Station Emergency Ventilation System safety function. Door use will be limited to essential activities until final repairs to the door closure and latching mechanism are complete. The NRC Resident has been notified of the event."

The licensee will notify the State of Ohio and local authorities.

Notified R3DO (Passehl).

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Fuel Cycle Facility	Event Number: 50384
Facility: PORTSMOUTH AMERICAN CENTRIFUGE RX Type: URANIUM ENRICHMENT FACILITY Comments: 2 DEMOCRACY CENTER 6903 ROCKLEDGE DRIVE BETHESDA, MD 20817  Region: 2 City: PIKETON State: OH County: PIKE License #: SNM-2011 Agreement: Y Docket: 70-7004 NRC Notified By: ERIC SPAETH HQ OPS Officer: MARK ABRAMOVITZ	Notification Date: 08/20/2014 Notification Time: 18:21 [ET] Event Date: 08/20/2014 Event Time: 08:20 [EDT] Last Update Date: 08/20/2014
Emergency Class: NON EMERGENCY 10 CFR Section: 70.50(b)(2) - SAFETY EQUIPMENT FAILURE	Person (Organization): JAMES HICKEY (R2DO) ROBERT JOHNSON (NMSS)

**Event Text**

AN ISOLATION VALVE DID NOT CLOSE DURING A MAINTENANCE EVOLUTION

"On 8/20/2014, 0820 hrs [EDT], the Plant Shift Superintendent was notified of the following condition:

"During a maintenance evolution to change the machine drive unit (MDU) software, one of the four primary isolation valves comprising the machine isolation valve (MIV) set did not close as

required. Specifically, the purge vacuum (PV) isolation valve did not close. All other isolation valves did close as required.

"This event is being reported as a loss or degradation of an IROFS [Item Relied on for Safety] that results in a failure to meet the performance requirements of Section 70.61 [and is reportable per 70.50(b)(2)]."

The licensee will notify the NRC Resident Inspector.

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## News

### **NRC finalizes waste rule, lets licensing decisions resume**

Hannah Northey, E&E reporter

Published: Tuesday, August 26, 2014

The Nuclear Regulatory Commission today finalized a lengthy and high-profile waste rule and ended a two-year suspension on final licensing decisions, a move with direct implications for projects in Pennsylvania and Maryland.

NRC Chairwoman Allison Macfarlane and three of her colleagues in [votes](#) cast during the past two months and released today approved agency's new "continued storage" rule dealing with the environmental effects of storing hot, radioactive waste at reactors.

Essentially, the rule accepts the premise that radioactive waste generated from reactors producing electricity can be stored safely for up to 60 years after a plant is closed -- or indefinitely if a permanent repository isn't built. That finding will be used in licensing decisions going forward.

But NRC documents also reflect deep concerns Macfarlane has with the environmental analysis underlying the rule.

Macfarlane took issue with the staff's conclusion in "general environmental impact statement" that adverse environmental effects of storing waste for any period of time is "small," adding that such an assertion would indicate a deep geological repository is not necessary -- when in fact it is.

Macfarlane called on the agency's staff to take a deeper look at the possibility for nuclear waste to be stored at reactors across the country indefinitely -- a nod to the politically divisive and stalled process on Capitol Hill surrounding the Yucca Mountain nuclear waste site in Nevada. She also said such an environmental analysis should be reviewed every decade. "The U.S. government has yet to meet its own long-established responsibility to site a repository for the permanent disposal of spent nuclear fuel, contrary to the hopes expressed in previous waste confidence decisions," Macfarlane wrote. "I want to ensure that the NRC, through its own policymaking, does not tip the balance in the direction of avoiding this necessary task."

Macfarlane also called on NRC staff to include a "worst case" scenario should no repository be found and all legal and administrative controls fall by the wayside. Without speculating about future institutions or societies, the NRC can hypothesize on the failure of casks -- large concrete and metal containers -- holding the waste, she said.

The agency also said it would move forward with decisions on requests to build new waste storage sites and renew or issue new licenses for nuclear reactors.

Macfarlane [told](#) the House Energy and Commerce Committee earlier this month that 24 actions were affected by the freeze, but only license renewals for Exelon Corp.'s Limerick nuclear plant

in Pottstown, Pa., and the company's spent fuel storage site in Calvert Cliffs, Md., were awaiting final decisions.

Environmental groups had urged the NRC to delay today's vote until Bill Magwood -- an outgoing commissioner who has rejected declaring a conflict of interest in the issues -- left the panel. Both the NRC and Magwood rejected those requests ([Greenwire](#), Aug. 21).

Today's vote marks what the NRC hopes will be the end of a years-long effort to address deficiencies identified by a federal court in the summer of 2012.

The U.S. Court of Appeals for the District of Columbia Circuit two years ago sided with environmental groups and remanded a prior standing rule called the "waste confidence rule" back to the commission. The court said the NRC had violated the law by failing to consider the possibility that a national waste repository might never be built and had not conducted sufficient analysis on the potential for leaks or fires at massive pools storing spent fuel rods.

Not everyone is convinced the matter is settled.

David Lochbaum, a nuclear engineer and director of the Nuclear Safety Project for the Union of Concerned Scientists, said the NRC could give "only one answer," that waste storage will suffice.

"They can't turn back the clock, and they know the Department of Energy isn't going to find a repository in the near future," he said. "Whether it's technically sound is a moot question for them. If they were to say no, there's no place [for the waste] to go."

Lochbaum said the final rule doesn't resolve the issues that the court raised surrounding the establishment of a repository, spent fuel pool fires and leaks.

"It's likely people will contest it," he said. "We'll see if the courts stick by their guns or acquiesce."

Environmental groups echoed that sentiment.

"The Nuclear Regulatory Commission failed to analyze the long-term environmental consequences of indefinite storage of highly toxic and radioactive nuclear waste; the risks of which are apparent to any observer of history over the past 50 years," Geoffrey Fettus, lead counsel for Natural Resources Defense Council, said in a statement. "The Commission failed to follow the express directions of the Court."

Twitter: [@HMNorthey](#) | Email: [hnorthey@eenews.net](mailto:hnorthey@eenews.net)

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## Information Notices

Unless otherwise noted, these are ADAMS Accession documents, are publicly available, and will be accessible via the public web site Electronic Reading Room in the Agency Document Access and Management System (ADAMS),

<http://www.nrc.gov/reading-rm/adams.html>

or to access generic communications files on the NRC Homepage:

<http://www.nrc.gov/reading-rm/doc-collections/gen-comm/reg-issues/2013/>.

To access these documents use the ADAMS Accession number listed with the title.

This is in the format of : ML #####A###

## Part 21 and Miscellaneous

RIS 2014-09, Maintaining The Effectiveness Of License Renewal Aging Management Programs, dated August 6, 2014

ML14058A398

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Summary of June 18, 2014, Closed Meeting Between Representatives of the U.S. Army Corps of Engineers, Nuclear Regulatory Commission, and FirstEnergy Nuclear Operating Co. to Discuss Flooding Analysis Associated with Columbia Generating Station (TAC No. MF3039)  
ADAMS Accession No.: ML14184B196

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## **Davis-Besse**

Davis-Besse 2013 EOC Public Meeting Handout  
ADAMS Accession Number: ML14218A054

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Subject: Davis-Besse Nuclear Power Station, Unit 1 - Confirmatory Order (TAC NO. MF3759) (L-13-388)  
ADAMS Accession Number: ML14164A179

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Davis-Besse 2013 End-of-Cycle Meeting Summary  
ADAMS Accession Number: ML14224A614

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Subject: Davis-Besse Nuclear Power Station, Unit 1 - Confirmatory Order (TAC NO. MF3759) (L-13-388)  
Accession Number: ML14164A151

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Davis-Besse Nuclear Power Station, Unit No. 1 - Correction Letter for Relief Requests RR-A1, RR-B1, RP-1, PR-1A, RP3, RR-A36  
Accession Number: ML14175B553

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Davis-Besse Requalification Program Inspection Letter  
ADAMS ACCESSION NO ML14239A045

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DAVIS BESSE: REQUEST FOR ADDITIONAL INFORMATION FOR THE REVIEW OF THE DAVIS-BESSE NUCLEAR POWER STATION LICENSE RENEWAL APPLICATION (TAC NO. ME4640)  
ADAMS ACCESSION NO.: ML14218A145

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DAVIS-BESSE: Summary of Telephone Conference Call Held on July 18, 2014, Between the U.S. Nuclear Regulatory Commission , U.S. Fish and Wildlife Service, and FirstEnergy Nuclear Operating Company Concerning Endangered Species Act Section 7 Consultation for the Davis-Besse Nuclear Power Station, Unit No. 1 License Renewal Application Environmental Review  
ADAMS Accession No. ML14213A002

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Minutes of the ACRS Plant Operations and Fire Protection Subcommittee Meeting - Region III Visit, July 24, 2014, Lisle, Illinois.  
ML14237A190

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IR 05000346-14-003; 4/1/14 - 6/30/14; Davis-Besse Nuclear Power Station; Fire Protection; Heat Sink Performance; Follow Up of Events and Notices of Enforcement Discretion.  
ML14212A468

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Davis-Besse Unit 1, Reply to Request for Additional Information for the Review of License Renewal Application (TAC No. ME4640) and License Renewal Application Amendment No. 52.

ML14211A023

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Transcript of the Advisory Committee on Reactor Safeguards Plant Operations and Fire Protection Subcommittee - July 24, 2014.

ML14212A770

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## **Perry**

Perry Nuclear Power Plant - NRC Integrated Inspection Report 05000440/2014003

ADAMS Accession No. ML14220A509

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Subject: Perry Nuclear Power Plant, Unit No. 1 - Acceptance Review Concerning Change to Pressure- Temperature Curves (TAC No. MF4351)(L-14-150)

Accession Number: ML14213A418

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Subject: Perry Nuclear Power Plant, Unit No. 1 - Acceptance Review Concerning Relocation of Surveillance Frequencies to Licensee Control (TAC NO. MF3720)(L-14-106)

Accession Number: ML14213A376

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Subject: Perry Nuclear Power Plant Unit 1 - extension of Schedule for Reporting Surveillance Capsule Test Results Under the Integrated Surveillance Program (TAC No. MF3926)(EPRI Letters 2013-185, and 2013-211)

Accession Number: ML14140A701

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IR 05000440-14-003, on 04/01/2014 - 06/30/2014, Perry Nuclear Power Plant; Post-Maintenance Testing.

ML14220A509

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## **Beaver Valley**

Beaver Valley Power Station, Units 1 and 2 - Correction Letter Regarding Amendment Nos. 275 and 156 re: Issuance of Amendment Regarding the 8-Percent Extended Power Uprate (TAC Nos. MC4645 and MC4646).

ML14210A239

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Beaver Valley Power Station - NRC Integrated Inspection Report Nos. 05000334/2014003 and 05000412/2014003 and Independent Spent Fuel Storage Installation (ISFSI) Report Nos. 07201043/2014001 and 07201043/2014002)

ADAMS Accession No.: ML14225A531

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BEAVER VALLEY POWER STATION - NRC INDEPENDENT SPENT FUEL STORAGE INSTALLATION SECURITY INSPECTION REPORT NO. 07201043/2014403

ADAMS ACCESSION NO. ML14225A699

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Beaver Valley Power Station, Unit No. 2 - Acceptance of Requested Licensing Action RE: License Amendment Request to Revise Technical Specification 4.3.2, Spent Fuel Storage Pool Minimum Inadvertent Drainage Elevation (Tac No. MF4213)

ML14224A221

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Beaver Valley Power Station, Units 1 and 2 - Request For Additional Information RE: License Amendment Request to Adopt Technical Specifications Task Force Traveler 425 (Tac Nos. MF2942 and MF2943)

ML14232A657

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BEAVER VALLEY POWER STATION, UNITS 1 AND 2 - REQUEST FOR ADDITIONAL INFORMATION RE: SUBMITTAL OF REACTOR VESSEL INTERNALS AGING MANAGEMENT PROGRAM (TAC NOS. MF3416 AND MF3417)

ML14213A360

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Answer of FirstEnergy Nuclear Operating Company and Pennsylvania Power Company in Opposition to Petition to Waive Time Limits and Supplemental Comments of Local 29, International Brotherhood of Electrical Workers

ML14225A862

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Beaver Valley, Submittal of the June 2014 Discharge Monitoring Report.

ML14209A009

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Beaver Valley Power Station NRC Evaluated Emergency Preparedness Exercise Inspection Report 05000334 and 05000412 2014-502.

ML14211A045

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## **Portsmouth Facilities**

NUREG-1350, Vol. 26 "2014-2015 U.S. NRC Information Digest".

ML14240A480

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JTI011 - Lapham, Wayne W., and Franceska D. Wilde, and Michael T. Koterba, U.S. Geological Survey (USGS), Water-Resources Investigations Report 96-4233, "Guidelines and Standard Procedures for Studies of Ground-Water Quality: Selection and.....

ML14237A642

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## **Fermi 1**

No reports

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## **Fermi 2**

Fermi Confirmation of Initial Operator License Examination Letter

ADAMS ACCESSION NO# ML14234A443

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Citizens' Resistance at Fermi 2 (CRAFT) Petition for Leave to Intervene and Request for Public Hearing Upon DTE Electric's Request of 20-Year License Extension for the Enrico Fermi 2 Nuclear Reactor.

ML14231B142

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Petition for Leave to Intervene and Request for Hearing of Don't Waste Michigan, Citizens Environment Alliance of Southwestern Ontario and Beyond Nuclear.

ML14230B040

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Fermi 2, License Renewal Application - Supplement for LR-ISG-2012-02.

ML14213A061

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### **Fermi 3**

Fermi, Unit 3, Appendix A, Technical Specifications.

ML14217A307

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Minutes of the Advisory Committee on Reactor Safeguards ESBWR Subcommittee Meeting - July 7, 2014.

ML14209A854

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Fermi 3, Combined License Application - Advanced Final Safety Evaluation With No Open Items For Sections 2.5 Geology Seismology and Geotechnical Engineering.

ML14202A440

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