

To: Jim Mehl, ERSIS Manager
From: Zack Clayton, Rad Coordinator
Subject: June Monthly Report
Date: July 6 , 2015

Beans

Training: 2
Drills: 0
Meetings: 5
Technical Assistance: 2
Public Assistance: 1

Web Page Views: There were 38 page views in June.

Radiological Safety Program Pages: <http://epa.ohio.gov/derr/ersis/er/rad.aspx>

Coming Attractions

7/6 URSB
7/15 IREP
7/30 NEPAC
8/5 IREP
8/13 BV offsite training

Facility updates

Davis-Besse Nuclear Power Station

Davis-Besse operated at full power for the month.

On June 6, Davis-Besse Nuclear Power Station provided an update on the elevated levels of tritium in ground water that were first detected on February 3, 2015. The sample results for May reported 12 samples were above the 2000 picocuries of tritium per liter (pCi/L) reporting limit. None of the samples are above 10,000 pCi/L with the highest being 7695 pCi/L. The limit for tritium in drinking water is 20,000 pCi/L. The plant Problem Solving group continues to assess the situation and locate the source of the leakage.

On June 27 Davis-Besse notified the NRC that both of the plant's emergency feedwater systems were declared inoperable at the same time. One of the plant's feedwater systems was declared inoperable for scheduled testing purposes. During the testing process the plant's other feedwater system was declared inoperable when it was discovered an electrical breaker for one of its valves was in the incorrect position. This required notification to the NRC as both sources

of feedwater were declared inoperable. The plant verified the function of the breaker and returned it to the correct position restoring the system's ability to function. This condition existed for approximately 2 hours from 2335 on June 26, 2015 to 0133 on June 27, 2015. If an emergency had occurred the feedwater system that was declared inoperable for testing could have been brought on-line and utilized for emergency cooling. See Event No. 51185.

Perry Nuclear Power Plant

Perry operated

At 0452 EDT hours on June 16, 2015, during performance of a surveillance test for the Division 3 4160 Volt Bus Undervoltage/Degraded Voltage Channel Calibration and Logic System Functional Test, the K36 degraded voltage time delay relay was found outside of the Technical Specification 3.3.8.1 allowable value, resulting in an inoperable condition of the Division 3 Emergency Diesel Generator (EDG). The breaker took approximately 2.5 seconds too long to open. The breaker was recalibrated by the plant. See Event No. 51159.

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.

DTE

Fermi II

Fermi II operated at full power for the month.

On 5 June, Fermi made a 60 day report of a May 24, 2015, loss of power to Reactor Protection System (RPS) Train B. Both Normal EPA breakers and MG Set B output breaker were tripped. Visual inspection at the distribution cabinet was inconclusive at the time and revealed no abnormalities and no abnormal odors in the area. Further investigation of the RPS MG Set B verified normal voltages on all fuse clips, and all power and control power fuses were operational. See Event No. 51128.

On June 27 Fermi reported that a spill occurred when a portable chemical toilet tipped over. The contents and exact quantity of the spill are unknown, but the toilet has a capacity of 60 gallons. The spill flowed to nearby gravel and two storm drains. See Event No. 51186.

Fermi III

Fermi III continues as a documentation evaluation.

Portsmouth Enrichment Plant

Activity

- 6/4 RAT Training the annual requirements specified in the REP plan.
- 6/8 ESF-10 disambiguation – determined that the desk needs to have a person with delegation skills and knowledge of the different subject areas. The SMEs for these areas need to be in a group to allow communication and discussion. This could be in the Lead agency room or a similar room setting.
- 6/11 DHS DNDO presentation – Homeland Security outreach capabilities and an overview of the Ohio Northern Border Initiative capabilities.
- 6/11 IREP – ODH hosted a reset meeting focusing on basic mission and core players. There is still a large REP component to the subject, but other rad scenarios will be considered.
- 6/18 Divisional awareness training and QA on Rad Plan – a presentation to other Division heads regarding their program area accountabilities in the REP plan. Further meetings will be held to determine backreach and communication issues.
- 6/22-25 Urban Rad Contamination, Mitigation, and Clean-up at Battelle. For State employees this was awareness level training on new techniques and products. There were several methods demonstrated with varying degrees of success. The main testing surfaces was 85 year old brick and mortar on Battelle building A. Old brick is porous and the mortar has weathered so that the sand is exposed. Mortar and brick at the Idaho lab (indoor) test center was new material with different characteristics. None of the strippable material worked well. The Latex strippable paint was not UV stabilized and became gummy and un-removable after a day on exterior walls. A two part foam application seemed to calcine the brick and left disfiguring white stains. Neither of these would be suitable for use on historic buildings.

Office Issues

Upgrading the Ludlum 2241-3 meters to blue tooth capability for use with Rad Rasponder. Purchase of two new units with bluetooth to complete our capability.

A new Division to be named was announced for Ohio EPA, this Division will include Emergency Response and Office of Special Investigations. Details will follow.

Statistics, NRC Reports, News, and ADAMS References

Operating Power Levels

June

Date	BV1	BV2	DB	Perry	Fermi2	
1	100	100	100	100	100	
8	100	100	100	100	100	
13	0	100	100	100	100	BV1 down for scheduled maintenance
15	45	100	100	100	100	
19	100	100	100	100	100	
22	100	100	100	100	100	
29	100	100	100	100	100	
30	100	100	100	100	100	

Event Reports

Part 21	Event Number: 51109
Rep Org: ABB MEDIUM VOLTAGE SERVICE Licensee: ASEA BROWN BOVERI Region: 1 City: Florence State: SC County: License #: Agreement: Y Docket: NRC Notified By: JAY LAVRINC HQ OPS Officer: DANIEL MILLS	Notification Date: 06/01/2015 Notification Time: 10:30 [ET] Event Date: 06/01/2015 Event Time: [EDT] Last Update Date: 06/01/2015
Emergency Class: NON EMERGENCY 10 CFR Section: 21.21(d)(3)(i) - DEFECTS AND NONCOMPLIANCE	Person (Organization): PART 21/50.55 REACT (EMAI) RAY POWELL (R1DO) KATHLEEN O'DONOHUE (R2DO) DAVE PASSEHL (R3DO) JACK WHITTEN (R4DO)

Event Text

PART 21 - DEFECTIVE CIRCUIT BREAKER SECONDARY CLOSE LATCH

The following is an excerpt of communication received via email:

"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.

"Nature of the deviation: During installation of a primary close latch and subsequent bench testing at a nuclear utility, mechanical binding was observed between the primary and secondary close latches. This binding prevented the breaker from operating. Inspection of both latches by ABB showed that the issue lies with the secondary close latch. It was determined that the secondary close latch dimension from the centerline of the hub that the latch rotates about, to the edge of the secondary latch surface with the half pin on the primary latch, was oversized. The failure to comply was identified when replacing latches and verified with a calculated dimension.

"The additional length from the center of the hub in the secondary close latch to the corner of the latch surface caused an interference between the pin cam interface and the half pin on the primary close latch, where it rolls off of the latch surface on the secondary close latch.

"It is recommended that affected licensees with this latch in inventory, ensure that bench testing is performed prior to installation to verify that the primary and secondary close latches work together without any evidence of binding.

"ABB currently cycles K-Line breakers that are refurbished approximately 55 close/open operations before they ship from the Florence facility. New breakers get at least the same number of close/open operations before shipment. This level of operational testing validates that there is no binding between the primary and secondary close latches.

"Questions concerning this notification should be directed to the Quality Manager at the Medium Voltage Service Center in Florence, SC at (843) 413-4727 or Fax (843) 413-4853."

Power Reactor	Event Number: 51128
Facility: FERMI Region: 3 State: MI Unit: [2] [] [] RX Type: [2] GE-4 NRC Notified By: WARREN PAUL HQ OPS Officer: NESTOR MAKRIS	Notification Date: 06/05/2015 Notification Time: 14:19 [ET] Event Date: 05/24/2015 Event Time: 19:30 [EDT] Last Update Date: 06/05/2015
Emergency Class: NON EMERGENCY 10 CFR Section: 50.73(a)(1) - INVALID SPECIF SYSTEM ACTUATION	Person (Organization): DAVE PASSEHL (R3DO)

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

Event Text

60-DAY OPTIONAL TELEPHONIC NOTIFICATION FOR AN INVALID ACTUATION OF

CONTAINMENT ISOLATION VALVES

The following was received via phone call and email:

"This 60-day report, as allowed by 10CFR 50.73(a)(1), is being made pursuant to 10CFR 50.73(a)(2)(iv)(A) to describe an unplanned, invalid actuation of containment isolation valves.

"At 1930 EDT on May 24, 2015, a loss of power to Reactor Protection System (RPS) Train B occurred. Initial investigation found the RPS Motor Generator (MG) Set B not running, with its Motor Off light illuminated caused by both Normal EPA breakers and MG Set B output breaker being tripped. Visual inspection at the distribution cabinet was inconclusive at the time and revealed no abnormalities and no abnormal odors in the area. Further investigation of the RPS MG Set B verified normal voltages on all fuse clips, and all power and control power fuses were operational.

"As a result of the loss of RPS B, the following containment isolation valves closures occurred: Reactor Water Cleanup (RWCU) Outboard Isolation valves, Torus Water Management System (TWMS) Outboard Isolation valves, Division 2 Drywell Pneumatics Inboard and Outboard Isolation valves, Primary Containment Radiation Monitoring System Inboard and Outboard Isolation valves, Reactor Recirculation Pump Seal Purge Flow Outboard Isolation valves, and Drywell Floor and Equipment Drain Sump Inboard Isolation Valves.

"The Resident Inspector has been notified."

Power Reactor	Event Number: 51159
Facility: PERRY Region: 3 State: OH Unit: [1] [] [] RX Type: [1] GE-6 NRC Notified By: THOMAS MORSE HQ OPS Officer: MARK ABRAMOVITZ	Notification Date: 06/16/2015 Notification Time: 11:34 [ET] Event Date: 06/16/2015 Event Time: 04:52 [EDT] Last Update Date: 06/16/2015
Emergency Class: NON EMERGENCY 10 CFR Section: 50.72(b)(3)(v)(D) - ACCIDENT MITIGATION	Person (Organization): PATTY PELKE (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

EMERGENCY DIESEL GENERATOR FOUND INOPERABLE

"At 0452 EDT hours on June 16, 2015, during performance of a surveillance test for the Division 3 4160 Volt Bus Undervoltage/Degraded Voltage Channel Calibration and Logic System Functional Test, the K36 degraded voltage time delay relay was found outside of the Technical Specification 3.3.8.1 allowable value, resulting in an inoperable condition of the Division 3 Emergency Diesel Generator (EDG). The Division 3 EDG had previously been declared inoperable for performance of the surveillance testing.

"The K36 degraded voltage time delay relay initiates load shedding, isolates the Division 3 bus, and starts the Division 3 EDG. The Technical Specification allowable value is 180 to 270 seconds. The as-found time was 272.66 seconds. The K36 relay was calibrated in accordance with plant procedures and returned to service at 0730 hours on June 16, 2015.

"The Division 3 EDG is the on-site power source for the High Pressure Core Spray system which is a single train system. Therefore, this event is being reported in accordance with 10 CFR 50.72(b)(3)(v)(D) as an event or condition that could have prevented the fulfillment of a safety function.

"The NRC Resident Inspector has been informed."

Non-Agreement State	Event Number: 51181
Rep Org: ELECTRIC POWER RESEARCH INSTITUTE Licensee: ELECTRIC POWER RESEARCH INSTITUTE Region: 1 City: CHARLOTTE State: NC County: License #: Agreement: Y Docket: NRC Notified By: TRACY WILSON HQ OPS Officer: DONG HWA PARK	Notification Date: 06/25/2015 Notification Time: 15:40 [ET] Event Date: 05/01/2015 Event Time: [EDT] Last Update Date: 06/25/2015
Emergency Class: NON EMERGENCY 10 CFR Section: 21.21(a)(2) - INTERIM EVAL OF DEVIATION	Person (Organization): JOHN ROGGE (R1DO) KATHLEEN O'DONOHUE (R2DO) VIVIAN CAMPBELL (R4DO)

Event Text

PART 21 REPORT - DEVIATION IN NOZZLE MODELING INTERNAL REPORTS

The following was received via facsimile:

"[This report pertains] to a deviation in a basic product (EPRI nozzle modeling internal reports) supplied by EPRI (Electric Power Research Institute) regarding Westinghouse Pressurizer Head Nozzle Inner Corner Region Ultrasonic Inspections. EPRI will complete all evaluation efforts and provide a determination of reportability in accordance with 10 CFR Part 21 no later than July 24, 2015.

"EPRI has conducted an evaluation to the basic product's actual use and determined that the ASME examination volume coverage for at least one of the pressurizer nozzles has changed and is now 90 percent or less. A 90 percent threshold is required by ASME Boiler & Pressure Vessel Code, Section XI.

"Design inputs used in EPRI modeling for ultrasonic scanning coverage for nuclear safety related component nozzles may have been inaccurate. In some cases, the upper and lower heads of Westinghouse pressurizers can be offset from the center of each nozzle (spray, safety, relief, surge). This offset results in a change in the thickness of the pressurizer head as compared to an on-axis pressurizer head with the same radial dimensions. Some of the computer models EPRI used to describe these pressurizer heads did not account for an increase in the thickness due to these offsets. As a result, in some cases the ultrasonic inspection parameters produced by these computer models may have produced inaccuracies in the examination volume coverage calculations.

"In the case of a basic component which contains a defect or fails to comply, the number and location of these components in use at, supplied for, being supplied for, or may be supplied for, manufactured, or being manufactured for one or more facilities or activities subject to the regulations in this part.

Utility Name/Plant Name

Exelon Corporation / Ginna

First Energy Nuclear Operating / Beaver Valley 1

Entergy / Indian Point 2

Entergy / Indian Point 3

Pacific Gas & Electric Co. / Diablo Canyon Unit 2

Dominion Generation / North Anna

"EPRI has reviewed the pressurizer upper and lower head drawings for the nozzles that it has modeled and determined if these offsets are present. For those cases that are potentially affected EPRI has recalculate the new examination volume coverage for the nozzle inspection detection techniques and provided this information to the corresponding licensees.

"EPRI staff shall develop a matrix or table to better define the necessary design inputs for computer modeling of nozzles. This should also include a question to the utility regarding any obstructions or thickness changes which would impact the ultrasonic inspection parameters. EPRI staff shall improve its documentation for review and approval of design inputs for computer modeling. Consideration shall also be given to including a review of design inputs by the member along with an acknowledgement from the member that the design inputs are appropriate for use. EPRI staff shall consider methods of including additional conservatism to the modeling results to better accommodate changes which may be observed in the field. The project quality plan and quality project instruction shall be updated as necessary to accommodate or clarify these improvements. Completion commitment date - 10/27/2015.

"The coverage calculations indicated in the notification letters would likely increase if the EPRI modeled scan plans are exceeded and or if additional inspection angles were implemented. Conversely, these coverage calculations would likely decrease if physical field limitations prevented the ultrasonic probe from executing the EPRI modeled scan pattern. It is on this basis that recipients of this letter must evaluate the condition pursuant to 10 CFR Part 21.21 to determine if it could represent a substantial safety hazard reportable under 10 CFR Part 21."

Potentially affected US plants include Ginna, **Beaver Valley Unit 1**, Indian Point Units 2 and 3, Diablo Canyon Unit 2, and North Anna.

Power Reactor	Event Number: 51185
Facility: DAVIS BESSE Region: 3 State: OH Unit: [1] [] [] RX Type: [1] B&W-R-LP NRC Notified By: MARK HELLE HQ OPS Officer: MARK ABRAMOVITZ	Notification Date: 06/27/2015 Notification Time: 07:16 [ET] Event Date: 06/26/2015 Event Time: 23:35 [EDT] Last Update Date: 06/27/2015
Emergency Class: NON EMERGENCY 10 CFR Section: 50.72(b)(3)(v)(B) - POT RHR INOP	Person (Organization): DAVID HILLS (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

BOTH AUX FEEDWATER TRAINS DECLARED INOPERABLE

"On June 26, 2015 at 2335 [EDT], with Auxiliary Feedwater (AFW) train 1 declared inoperable for scheduled surveillance testing, AFW train 2 was declared inoperable as a result of the supply breaker for SW1395, Service Water Loop 2 secondaries isolation valve, being found open, i.e. out of its required position. Limiting Condition for Operation (LCO) 3.7.5 Condition D was entered for two Emergency Feedwater Trains inoperable. AFW Train 1 and the non-safety related motor driven AFW pump were available to provide emergency feedwater if required.

"The breaker was verified to be functioning as required and then closed, restoring the safety function. All associated LCOs were exited by 0133 [EDT] on June 27, 2015."

The licensee notified the NRC Resident Inspector.



Power Reactor	Event Number: 51186
Facility: FERMI	Notification Date: 06/27/2015

Region: 3 State: MI Unit: [2] [] [] RX Type: [2] GE-4 NRC Notified By: CHRIS ROBINSON HQ OPS Officer: DONG HWA PARK	Notification Time: 13:19 [ET] Event Date: 06/27/2015 Event Time: 11:00 [EDT] Last Update Date: 06/27/2015
Emergency Class: NON EMERGENCY 10 CFR Section: 50.72(b)(2)(xi) - OFFSITE NOTIFICATION	Person (Organization): DAVID HILLS (R3DO)

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

Event Text

OFFSITE NOTIFICATION MADE AFTER PORTABLE TOILET TIPPED OVER

"On 6/27/2015 at 1100 EDT, a spill to the environment was determined to be reportable to the state environmental and local health agencies. A press release is planned.

"The spill occurred when a portable chemical toilet tipped over and was identified at approximately 0925 EDT. The contents and exact quantity of the spill are unknown, but the toilet has a capacity of 60 gallons. The spill flowed to nearby gravel and two storm drains; one of which discharges to navigable state waters. Rainfall was present when the spill was identified. Cleanup efforts are in progress.

"The NRC Senior Resident Inspector has been notified."

News

-Fukushima-
Utility delays first nuclear plant restart

Published: Tuesday, June 2, 2015

The first restart of a Japanese nuclear plant since the 2011 Fukushima disaster has been delayed.

Kyushu Electric Power Co. said today it was pushing back the restart of the Sendai nuclear plant in southwestern Japan from July to mid-August.

The decision follows an April warning by Japan's nuclear regulator that Kyushu's timeline was too quick.

Prime Minister Shinzo Abe has been a staunch advocate of restarting the country's nuclear energy sector in order to cut use of fossil fuels. However, the public has been wary.

Across the country, five reactors have received basic clearance to reboot and are at different stages of review.

Kyushu said it was delaying its reboot because operational checks needed prior to loading uranium fuel into the reactor will end two weeks later than expected (Osamu Tsukimori, Reuters, June 1). – AW

Source: <http://www.eenews.net/greenwire/2015/06/02/stories/1060019489>

Dozens of U.S. companies bet on nuclear power revolution: report



By Timothy Gardner

WASHINGTON (Reuters) - The Pentagon's top arms provider and firms partly funded by Silicon Valley billionaires Bill Gates and Paul Allen are among dozens of companies collectively betting more than \$1.3 billion that a new wave of nuclear power can be a force to fight climate change.

Advanced nuclear power plants, which will employ techniques such as using fuels other than uranium and coolants other than water, have attracted private investments from more than 40 companies from Florida to Washington state, the Third Way think tank says in the first report specifying the number of firms and total money invested in the technologies.

The reactors, which could come into development in 10 to 15 years, can help curb U.S. carbon emissions and make investments in electricity generation less costly, researchers at Washington, D.C.-based Third Way said in a report seen by Reuters and to be released as soon as Monday.

Companies expressing faith in advanced nuclear power range from Lockheed Martin, the Pentagon's largest supplier, to Holtec International, which is building a \$260 million technology campus in economically depressed Camden, New Jersey.

Gates has partially funded TerraPower, a company that aims to build reactors cooled by liquid metal, and Allen has partially funded TriAlpha, a company that plans to make nuclear fusion plants.

Investors "realize cost competitiveness is the name of the game," said Josh Freed, who directs the clean energy program at Third Way. The reactors are "designed to be scalable so that they can produce energy at a per megawatt hour cost that's competitive not just with existing nuclear, but importantly with fossil fuels and renewable energy." Advanced nuclear reactors should be smaller than today's reactors, and construction should take one to five years, rather than five to six.

Critics of advanced nuclear say companies have yet to make small reactors economically viable despite decades of development by energy companies and the U.S. military. Advanced reactors using new fuels, such as thorium, and new cooling systems, such as molten salt, are also difficult to make economically viable, they say.

The nuclear industry has also been weakened by a political backlash following radioactive leaks at Japan's Fukushima power plant in 2011. And the U.S. natural gas boom has slashed the cost of that fuel, making it harder for nuclear power to compete. The Third Way report was not funded by the nuclear industry. But the think tank has received financial support from The Nuclear Energy Institute, the industry's lobby group, and Babcock & Wilcox, a company hoping to build small nuclear reactors.

Late last year, Lockheed said it made a breakthrough in developing a power source based on nuclear fusion. The company said the first reactors for this new technology, small enough to fit on the back of a truck, could be ready in a decade.

The companies say they are exploiting advances in material science and computer-assisted manufacturing that could help breakthroughs become realities before 2030. (Story corrects paragraph 6 to say TerraPower is working on reactors cooled by liquid metal, not fueled)

(Reporting by Timothy Gardner; Editing by Bruce Wallace and David Gregorio)

Source: <http://news.yahoo.com/dozens-u-companies-bet-nuclear-power-revolution-report-144649947--sector.html>

The Voice

Canada opens comment period on nuclear dump proposed for Lake Huron

Published: Friday, June 12, 2015

By Jim Bloch

Voice Reporter

A month after the Joint Review Panel decided that the best place for a Canadian nuclear waste dump is less than a mile from the shores of Lake Huron, the Canadian Environmental Assessment Agency is calling for public comment on environmental conditions that would be imposed on Ontario Power Generation if the project gets a final go-ahead. The CEAA made the announcement on June 3.

The general public, Aboriginal groups and registered participants in the Deep Geological Review process have 90 days to comment on 14 pages of "potential conditions." The deadline is Sept. 1.

As a result, the agency has extended the timeline for a final decision by Minister of the Environment Leona Aglukkaq on the Environmental

Assessment of the dump by 90 days. The deadline is now Dec. 2.

"It is interesting that the Minister of the Environment's decision on the nuclear waste dump is being postponed from Sept. 3 until December, which falls after the federal election in October," said Beverly Fernandez, founder of the Canadian organization Stop the Great Lakes

Nuclear Dump. Critics of nuclear power were aghast at the Joint Panel's decision in May to endorse the dump.

Western Michigan native Kevin Kamps works as a nuclear waste specialist for the Maryland-based Beyond Nuclear, an anti-nuclear group that supports renewable energy and nuclear disarmament. Kamps condemned the Joint Panel's decision to endorse the dump, calling OPG's proposal "insane" and labeling it "a declaration of war against the Great Lakes."

Kamps is expected to speak about ways to stop the dump at 7 p.m. June 16 at the Donald Dodge Auditorium at the St. Clair County Administration Building, located at 200 Grand River Ave. in Port Huron.

"Great Lakes Waterkeepers and Waterkeeper Alliance oppose this project, which could threaten the drinking water supply of 40 million Americans and Canadians," Detroit Riverkeeper Bob Burns said in a statement on May 27.

Burns said the dump violates the Great Lakes Water Quality Agreement, which the United States and Canada updated in 2012, pledging to keep the lakes free of threats to water quality.

The 'potential conditions'

If the Canadian government approves the building of the nuclear waste dump, OPG will have to meet a variety of conditions to ensure that the environment is protected against an array of dangers posed by the construction, operation and closure of the dump.

The 14-page document outlines a number of general conditions and 12 specific environmental conditions which OPG may have to fulfill if the dump is approved.

The specific environmental conditions include managing storm water runoff, avoiding adverse effects to fish and fish habitat associated with culvert installation at the North and South Railway Ditches and monitoring the impact of the project on MacPherson Bay in Lake Huron, just off the coast of the Bruce Nuclear Generation Site, as well as protecting migratory birds, their nests and eggs, protecting the land and resources for traditional uses, including the insurance that the Saugeen Ojibway Nation have continued access to the Jiibegmegoong burial grounds, protecting air quality, protecting the health of residents and Aboriginal groups against radiation exposure, excessive noise, vibration and accidents, preventing at-risk turtles and snakes from entering the project site, protecting the existing plant and wildlife communities against radiation and other threats related to the project, protecting groundwater, managing the waste rock that is mined to create the 2,200-foot-deep repository for the nuclear waste and preventing adverse leachate, undertaking reasonable measures to prevent accidents and malfunctions that would endanger humans and the environment, and preparing a strategy that will minimize the impact of the project on climate change.

Individuals submitting comments must address one or more of the "potential conditions."

All comments received will be considered public. Written comments in either official language should be sent by Sept. 1 by mail to: National Programs, Canadian Environmental Assessment Agency, 22nd Floor, 160 Elgin St., Ottawa ON K1A 0H3; or by email to ceaa.conditions.acee@ceaa-acee.gc.ca.

Opponents keep up critiques

Meanwhile, opponents are keeping up the pressure.

"Stop the Great Lakes Nuclear Dump will continue to drive awareness and opposition and will work with the increasing number of politicians and organizations in Canada and the U.S. who are committed to protecting the Great Lakes and future generations by opposing the nuclear waste dump," said Fernandez.

Among other activities, Fernandez tracks local, state and federal governments that have opposed the nuclear waste repository on Lake Huron. As of May 19, 155 resolutions had been passed opposing the dump.

"It is important for the people of Canada and the U.S. to raise their voices loudly and clearly to help defeat this plan that city upon city and politicians are calling a dangerous and risky plan, a plan that threatens our health, our economies, our environment and our precious Great Lakes," said Fernandez.

Jim Bloch is a freelance writer. Contact him at bloch.jim@gmail.com .

Columbus Dispatch

News

Cleanup of Piketon uranium plant expected to take decades more

Associated Press

Wednesday June 17, 2015 10:05 AM

PIKETON, Ohio

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The U.S. Department of Energy says the cleanup of a Cold War-era uranium plant in southern Ohio is expected to take another three decades or more.

U.S. Sen. Rob Portman had asked whether the administration was committed to the earlier goal of finishing the cleanup at the Portsmouth Gaseous Diffusion Plant in Piketon by 2024. In a response that was shared Tuesday by Portman, the department says that isn't an achievable goal. It says its target range for finishing the decommissioning and decontamination work is now between 2044 and 2052.

The cleanup employs more than 1,800 people and provides some of the best-paying jobs in a pocket of high unemployment. Last year, hundreds of layoffs were threatened until Congress provided a last-minute infusion of funding.

The News-Messenger

Also in: Port Clinton News-Herald, Lancaster Eagle-Gazette

Report: Nuclear power a costly failure

Kristina Smith, mksmith@gannett.com

8:22 p.m. EDT June 17, 2015

CARROLL TOWNSHIP –Nuclear energy is a costly failure, and Ohio and other states should focus on alternative energy, according to a report released Wednesday by an energy institute.

Upgrading the Davis-Besse Nuclear Power Station and other aged nuclear and coal plants around Ohio and asking the state to assess fees to help bail out the plants will ultimately cost power customers more money, said Mark Cooper, author of the report "Power Shift: The deployment of a 21st century electricity center and the nuclear war to stop it."

Davis-Besse's parent company, FirstEnergy, disputes the report's findings, saying nuclear power is a clean form of energy and a reliable source of power, FirstEnergy spokeswoman Jennifer Young said.

The study, by the Institute for Energy and the Environment at Vermont Law School, asserted that Ohio utility companies are not only seeking to subsidize nuclear plants but at the same time have increased their reliance on coal, which Cooper said is not a viable long-term energy source.

"FirstEnergy, contrary to almost every utility on the planet, has doubled down on coal in the past few years. In Ohio, not only are you looking at a nuclear problem, you're looking at a commitment to coal that is going to get harder and harder to sustain," said Cooper, senior fellow at the institute.

"The real question, I think, is whether or not there's going to be a commitment to moving forward with the alternatives. The vast majority of states have turned to the future," he said.

Davis-Besse is Ottawa County's largest employer and has more than 700 full-time employees.

FirstEnergy has applied to the Public Utilities Commission of Ohio for the ability to add a charge to customers' bills that would subsidize Davis-Besse; a coal-plant near Steubenville, and other plants in which it has part ownership. The charge would fluctuate based on the profitability of those plants and could be an additional charge or a credit to utility customers.

PUCO will have a hearing on the proposal on July 27 at its offices in Columbus.

American Electric Power

applied for a similar plan earlier this year, but PUCO rejected it.

"If you look at these aging reactors, like Davis-Besse, what you find are the costs have been rising very rapidly," Cooper said. "The uneconomic side, or burden, is going to grow over time. This short-term bailout is only a down payment on what's going to be an ever-increasing subsidy over time."

Young, however, said the subsidy plan is expected to cost customers additional money during its first few years, after which customers would likely see a credit on their bills.

Davis-Besse went into service in 1977 and has had major upgrades in recent years, including replacing its steam generators and fuel rods in 2014. FirstEnergy is seeking a 20-year extension for Davis-Besse's operating license, which expires in 2017, and the improvements are expected to make the plant last at least that long, she said.

"All the big investments that are needed to extend Davis-Besse's life have been completed already," Young said.

Renewable energy, such as solar panels and wind turbines, has a place in FirstEnergy's portfolio, she said. Coal and nuclear power are not dependent on the weather, she said.

"You can't shift everything to that," Young said. "We firmly believe that a diverse energy portfolio is necessary to protect customers from volatility that comes with other forms of energy."

"Nuclear power does have a zero-carbon footprint. We believe it must be part of the country's move to a lower carbon profile."

Carbon emissions cause climate change. Cooper said the nuclear plants' operation further hinders the transition to renewable energy.

"None of the existing reactors will make contributions to decarbonization," he said.

"They will all have to be replaced. Looking forward, nuclear is totally unrealistic as a low-carbon resource."

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Information Notices

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Part 21 and Miscellaneous

Withdrawal of Rescission of Order EA-05-007, "Order Imposing Additional Security Measures"
ADAMS Accession Number: ML14290A486

RIS 2015-06, "Tornado Missile Protection", dated June 10, 2015

ADAMS Accession No.: ML15020A419

RIS 2005-20, Rev. 2, "Revision to NRC Inspection Manual Part 9900 Technical Guidance,
"Operability Determinations & Functionality Assessments for Resolution of Degraded or
Nonconforming Conditions Adverse to Quality or Safety, dated June 5, 2015

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IN 2015-06, "ISOO Notice 2015-02: Message From OPM To Security Clearance Holders", dated
June 18, 2015

ADAMS Accession No.: ML15169A394

G20110171 - Letter to Petitioner Saporito and Final Director's Decision Regarding 2.206
Petition Dated March 12, 2011.

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of GL 2015-01 "Treatment of Natural Phenomena Hazards in Fuel Cycle Facilities" dated June
22, 2015

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dated June 24, 2015

ADAMS Accession No.: ML15008A191

FirstEnergy

Summary of January 2015 Meetings with FirstEnergy Nuclear Operating Company to Discuss
Alternative Source Term Implementation as a Result of Fuel Change.

Accession Number: ML15075A246

Davis-Besse

Ltr 05/28/15 Davis-Besse Nuclear Power Station - Information Request to Support NRC Annual
Baseline Emergency Action Level and Emergency Plan Changes Inspection

ADAMS Accession No: ML15149A376

Davis-Besse Nuclear Power Station, Unit No. 1 - Acceptance Review Concerning Emergency
Diesel Generator Minimum Voltage Surveillance Requirements (TAC No. MF6060)(L-15-117).

ADAMS Accession Number: ML15134A361

Davis-Besse Nuclear Power Station, Unit 1; Baseline Emergency Preparedness Biennial Exercise Inspection Report 05000346/2015502

ADAMS Accession Number ML15161A616

Ltr 06/11/15 Davis-Besse Operator Licensing Examination Approval

ADAMS Accession Number ML15162A798

Davis-Besse Nuclear Power Station; NRC Supplemental Inspection Report 05000346/2015404 and Assessment Follow-up Letter (Cover Letter Only)

ADAMS Accession Number ML15167A526

Davis-Besse Nuclear Power Station; NRC Security Baseline Inspection Report 05000346/2015405 (Cover Letter Only)

ADAMS Accession Number 15167A357

SUMMARY OF THE JUNE 11, 2015, PUBLIC OPEN HOUSE REGARDING DAVIS-BESSE NUCLEAR POWER STATION

ADAMS Accession Number: ML15170A286

DAVIS-BESSE NUCLEAR POWER STATION-NRC MATERIAL CONTROL AND ACCOUNTING PROGRAM INSPECTION REPORT 05000346/2015403

ADAMS Accession Number: ML15174A266

2013 Davis-Besse Initial License Examination Proposed Written.

ML13269A209

2013 Davis-Besse Initial License Examination Administered Written Examination Answer Key SRO Exam Handouts List.

ML13269A206

Davis-Besse Unit 1 Updated Final Safety Analysis Report, Revision 30, Section 15, Accident Analysis.

ML14342A557

Davis-Besse Unit 1 Updated Final Safety Analysis Report, Revision 30, Section 11, Radioactive Waste Management.

ML14342A553

Davis-Besse Unit 1 Technical Specification Bases, Revision 20.

NL14342A685

Davis-Besse Unit 1 Technical Requirements Manual, Revision 14.

ML14342A683

Davis-Besse Unit 1 Updated Final Safety Analysis Report, Revision 30, Section 14, Initial Tests and Operation.

ML14342A556

Davis-Besse Unit 1 Updated Final Safety Analysis Report, Revision 30, List of Effective Pages.

ML14342A517

Davis-Besse Unit 1 Updated Final Safety Analysis Report, Revision 30, Section 5, Reactor Coolant System.

ML14342A513

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ML14342A555

Davis-Besse Unit 1 Updated Final Safety Analysis Report, Revision 30, Section 7, Instrumentation and Control.

ML14342A516

Davis-Besse Unit 1 Updated Final Safety Analysis Report, Revision 30, Section 4, Reactor.

ML14342A512

2013 Davis-Besse Nuclear Power Station Initial License Examination Administered Written Examination, Answer Key, SRO Exam Handouts List.pdf

ML13179A132

Davis-Besse, Unit 1 - Supplemental Information for the Review Reactor Vessel Internals Inspection Plan and License Renewal Application Amendment No. 57.

ML15156B144

Davis-Besse, Unit 1 - Combined Annual Radiological Environmental Operating Report and Radiological Effluent Release Report - 2014.

ML15155B353

Davis-Besse, Unit 1 - OffSite Dose Calculation Manual, Revision 29.

ML15155B368

Davis-Besse, Unit 1 - OffSite Dose Calculation Manual, Revision 28.

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ML15091A143

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ML15148A489

2013 Davis-Besse Nuclear Power Station Initial License Examination Proposed Exam Files

ML13259A199

Perry

Ltr 05/28/15 Perry Nuclear Power Plant - Information Request to Support the NRC Annual Baseline Emergency Action Level and Emergency Plan Changes Inspection
ADAMS Accession No: ML15149A216

Perry Nuclear Power Plant, Unit No. 1 – Report for the Audit Regarding Implementation of Mitigating Strategies and Reliable Spent Fuel Pool Instrumentation Related to Orders EA-12-049 and EA-12-051

ADAMS Accession No.: ML15098A056

INFORMATION REQUEST TO SUPPORT UPCOMING PROBLEM IDENTIFICATION AND RESOLUTION (PI&R) INSPECTION AT PERRY NUCLEAR POWER PLANT

ADAMS Accession No.: ML15154A707

Nuclear Regulatory Commission Plan for the Audit of FirstEnergy Nuclear Operating Company's Flood Hazard Reevaluation Report Submittal Relating to the Near-Term Task Force Recommendation 2.1 – Flooding for Perry Nuclear Power Plant, Unit No. 1

ADAMS Accession No.: ML15153A145

Perry Nuclear Power Plant, Unit No, 1 - Issuance of Amendment Concerning Extension of Cyber Security Milestone 8 (TAC No. MF5557)(L-14-421)

ADAMS Accession No.: ML15133A502

Perry Nuclear Power Plant - Reassignment of Branch Chief for Plant Licensing Branch III-1

ADAMS Accession No.: ML15160A466

Perry Nuclear Power Plant, Unit No. 1 - Response Regarding Phase 2 Staffing Submittals Associated with Near-Term Task Force Recommendation 9.3 Related to the Fukushima Dai-Ichi Nuclear Power Plant Accident

ADAMS Accession No.: ML15156B282

Perry Nuclear Power Plant, Unit No. 1 - Issuance of Amendment Concerning Changes to Pressure Temperature Curves (TAC No. MF4351)(L-14-150)

ADAMS Accession No.: ML15141A482

Perry Nuclear Power Plant, Unit No. 1 - Correction Letter For Amendment No. 168 To Facility Operating License Concerning Changes to Pressure-Temperature Curves (TAC No. MF4351)

ADAMS Accession No.: ML15169A241

Perry Nuclear Power Plant, Unit No. 1 - Issuance of Amendment Concerning Adoption Of TSTF-535, "Revise Shutdown Margin Definition To Address Advanced Fuel Designs" (TAC No. MF4791)(L-14-137)

ADAMS Accession No.: ML15160A028

Perry Nuclear Power Plant, Unit No. 1 - Issuance of Amendment Concerning Changes to Pressure Temperature Curves (TAC No. MF4351)(L-14-150).

ML15141A482

Perry, Core Operating Limits Report for Operating Cycle 16, Revision 23, with Provisions for Proprietary Information.

ML15153A154

Perry Nuclear Power Plant, Unit 1 - Report for the Audit Regarding Implementation of Mitigating Strategies and Reliable Spent Fuel Pool Instrumentation Related to Orders EA-12-049 and EA-12-051 (TAC Nos. MF0962 and MF0802).
ML15098A056

Beaver Valley

Beaver Valley Power Station, Unit 1 and 2 - Environmental Assessment and Finding of No Significant Impact Related to RE: License Amendment Request to Modify Emergency Preparedness Plan Regarding the Emergency Planning Zone Boundary(TAC MF4765 and MF4766)

ADAMS Accession No.: ML15125A217

Beaver Valley Power Station, Unit Nos. 1 and 2 – Plan for the Onsite Audit Regarding Implementation of Mitigating Strategies and Reliable Spent Fuel Pool Instrumentation Related to Orders EA-12-049 and EA-12-051

ADAMS Accession No.: ML15152A218

Beaver Valley Power Station, Unit Nos. 1 and 2 - Relief Request No. BV3-N-789 Regarding Carbon Steel Piping for Raw Water Service (TAC NOS. M4563 AND MF4566)

ADAMS Accession No.: ML15163A147

Beaver Valley, Units 1 and 2 - Revision 24 to Section 6, "Emergency Measures," Revision 24 to Section 7, "Emergency Facilities and Equipment, " and Revision 14 to Appendix D, "Emergency Equipment Listings".

ML071350160

Beaver Valley, Units 1 and 2, Emergency Plan and Implementing Procedures.

ML13023A371

A5.735A, Rev 27, "Emergency Preparedness Plan."

ML042720438

Beaver Valley, Units 1 and 2 - Discharge Monitoring Report for April 2015.

ML15149A159

Portsmouth Facilities

American Centrifuge Plant and American Centrifuge Lead Cascade Facility - Update to Classification Officer Appointment for the American Centrifuge Program.

ML15175A114

Transmittal of Security Incident Log per 10 CFR 95.57(b) for American Centrifuge Operating, LLC - Security-Related Information.

ML15173A068

Letter to Steve Toelle Providing the NRC Response on Review of 10 CFR 70.72 Facility Changes for Calendar Year 2014.

ML15161A588

American Centrifuge Plant and American Centrifuge Lead Cascade Facility, Response to NRC Staff Comments on Cyber Security Plans SP-PGC-0002 and SP-PGC-0003 - Technical Assignment Control Number L34310.

ML15166A014

Ltr To M.Disomma From M.Bailey Re: Clarification Of Interagency Agreement Regarding Classification Of Information At USEC Inc. Lead Cascade And American Centrifuge Plant Uranium Enrichment Facilities - J5712.

ML15154B360

Letter to Steve Toelle on the Termination of the Facility Code 1057 for Fluor Enterprises, Inc.

ML15152A372

April 28 Part 21 Public Meeting Official Transcript Pages 1-231.

ML15148A437

Response on Withholding Proprietary Information In ACO 15-0011, Dated March 20, 2015.

ML15146A352

Request for DOE-Lexington's Review and Comments on Final Report to Congress on Status of the GDPs.

ML15125A500

NUREG-1790, Volume 1 - Table of Contents.

ML15155B285

NUREG1790 (3) - Appendix C - Dose methodology and Impacts.

ML15155B286

NUREG1790(1) - 4 Environmental Impacts.

ML15155B287

NUREG-1790 - Introduction.

ML15155B289

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No reports

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Ltr 05/28/15 Fermi Power Plant - Information Request to Support NRC Annual Baseline Emergency Action Level and Emergency Plan Changes Inspection

ADAMS Accession Number ML15149A364

SUMMARY OF TELEPHONE CONFERENCE CALL HELD ON DECEMBER 17, 2014, BETWEEN THE U.S. NUCLEAR REGULATORY COMMISSION AND DTE ELECTRIC COMPANY, CONCERNING RAIs PERTAINING TO THE FERMI 2 LRA (TAC NO. MF4222)

ADAMS Accession No.: ML15134A122

SUMMARY OF TELEPHONE CONFERENCE CALLS HELD ON DECEMBER 16, 2014, BETWEEN THE U.S. NUCLEAR REGULATORY COMMISSION AND DTE ELECTRIC COMPANY, CONCERNING RAIs PERTAINING TO THE FERMI 2 LRA (TAC NO. MF4222)

ADAMS Accession No.: ML15133A138

SUMMARY OF TELEPHONE CONFERENCE CALL HELD ON MAY 5, 2015, BETWEEN THE U.S. NUCLEAR REGULATORY COMMISSION AND DTE ELECTRIC COMPANY, CONCERNING RAI PERTAINING TO THE FERMI 2 LRA (TAC NO. MF4222)

ADAMS Accession No.: ML15132A336

SUMMARY OF TELEPHONE CONFERENCE CALL HELD ON MAY 13, 2015, BETWEEN THE U.S. NUCLEAR REGULATORY COMMISSION AND DTE ELECTRIC COMPANY, CONCERNING RAIs PERTAINING TO THE FERMI 2 LRA (TAC NO. MF4222)

ADAMS Accession No.: ML15139A519

Inspection Report 05000341/2015009; 04/13/2015 - 05/01/2015; Fermi Power Plant, Unit 2 License Renewal Inspection

ADAMS Accession Number ML15162B041

SUMMARY OF TELEPHONE CONFERENCE CALLS HELD ON MAY 14-28, 2015, BETWEEN THE U.S. NUCLEAR REGULATORY COMMISSION AND DTE ELECTRIC COMPANY, CONCERNING RAIs PERTAINING TO THE FERMI 2 LRA (TAC NO. MF4222)

ADAMS Accession No.: ML15154B318

REQUEST FOR WITHHOLDING INFORMATION FROM PUBLIC DISCLOSURE (TAC NO. MF4222)

ADAMS Accession No.: ML15161A364

Schedule Revision for the Review of the Fermi 2 License Renewal Application

ADAMS Accession No.: ML15160A297

Ltr 06/24/15 Fermi Power Plant, Unit 2; Confirmation of Initial License Examination

ADAMS Accession Number ML15175A492

Fermi, 15-1173 Petition for Review .

ML15175A305

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