

To: Jim Mehl, ERU Supervisor
From: Zack Clayton, Rad Coord
Subject: April Monthly Report
Date: May 7, 2007

Beans:

Training: 2
Drills 1
Meetings: 4
Technical Assistance: 2
Public Assistance: 1
SAIC 2

Web Page Hits: There were 57 RAD hits in April.

Coming Attractions:

Working Group 5/7
SAIC 5/7, 5/21
Davis Besse Graded 5/15
RAT Planning 5/22
Writing Workshop 5/22

Facility Updates:

Davis Besse Nuclear Power Station

Davis Besse operated for the month at full power.

Perry Nuclear Power Plant

Perry was in coast down mode April first and entered mode 6 shutdown later that tday. The platn was shut down for refueling for the month. A contractor fell and was transported to the hospital where it was determined he was not contaminated, but some of the protective clothing was.

Beaver Valley Unit I

Beaver Valley Unit I operated for the month at full power.

Beaver Valley Unit II

Beaver Valley Unit II operated at full power for the month.

Fermi II

Fermi operated for the month at full power.

Meetings:

April 2, 16, 30 SAIC Coverage

April 3 Working Group. There are new dosimetry forms. Planning for the URSB meeting.

April 4 NEPAC Light attendance due to preparations for the DB Exercise. Good briefing by FEMA on the split of DHS and the “new” FEMA.

April 9 RAT Steering teleconference

April 9 URSB Meeting and plant presentations of ongoing ground water surveys and other significant issues at the plants.

April 20 Answer place training

April 26 RAT Steering committee at OEMA.

Office Issues:

NA

NRC Reports and Statistics:

April operating power levels

Date	BV1	BV2	DB	Fermi	Perry	
1	100	100	100	92*	94**	*valve adjustment **coast down
2	100	100	100	100	0	Perry – refueling outage
9	100	100	100	100	0	
16	100	100	100	100	0	
23	100	100	100	100	0	
30	100	100	100	100	0	

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News and Notes

A Perry employee was injured last evening, April 5, in an area containing contamination. He was transported to the Lake East Hospital at 9:30 pm on April 5. The injury was sustained during a fall from a scaffold. Because of the extent of his injuries, the plant was unable to conduct a survey. The individual remained in the hospital April 6 for observation, but was determined to be NOT contaminated.

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Article published April 6, 2007

Report challenges reactor leak findings

A new, independent report says most of the reactor head's deterioration caused by an acid leak at the Davis-Besse Nuclear Power Station occurred during an accelerated leakage period over a three-week span before the Feb. 16, 2002, shutdown, and not gradually over several years, as determined by the Nuclear Regulatory Commission.
(THE BLADE)

By TOM HENRY
BLADE STAFF WRITER

FirstEnergy Corp. is trying to recoup \$200 million from an insurance policy with a report that suggests the near-rupture of Davis-Besse's reactor head in 2002 was more fluke than neglect.

The report, written by the Exponent Failure Analysis Association and Altran Solutions Corp., said most of the vessel head's deterioration occurred during an accelerated leakage period three weeks before the Feb. 16, 2002, shutdown, and not gradually over several years as determined by the Nuclear Regulatory Commission. The report could raise new questions about the NRC's 2004 findings that Davis-Besse's reactor head had at least two months but no more than 13 months before it would have blown open and allowed radioactive steam to form inside the containment building.

Acid that had leaked out of the reactor melted all but two-tenths of an inch of the massive lid in one spot, the NRC said. The reactor head was thinned down to the width of a pencil eraser head. "Either FirstEnergy incompetently managed the plant and allowed a leak to corrode the reactor vessel over many years, or FirstEnergy incompetently reported the root cause of the near-meltdown to the NRC [in 2002]. Either way, they are incompetent: Regulators should revoke their license," U.S. Rep. Dennis Kucinich (D., Cleveland) said. The congressman has called a news conference today to renew his request to the NRC to revoke the plant's operating license. The NRC rejected his earlier request.

Viktoria Mitlyng, a NRC spokesman, said Exponent's findings were based on 2005 and 2006 data about crack rate growths related to the same metal alloy found in nozzles implanted in Davis-Besse's reactor head. That same alloy exists in the heads of most of America's nuclear

reactors. But she said the agency believes none is vulnerable to what happened at Davis-Besse because the specific heat treatment on nozzles there made them more brittle.

In addition, the agency has become more aggressive with inspections, she said. Although the NRC hasn't decided whether to endorse the new report, it is giving FirstEnergy 30 days to decide if it wants to redo the root-cause report that the company submitted to the government agency in 2002. The utility submitted the insurance claim even though it did not challenge Justice Department assertions last year that it had endangered northern Ohioans by engaging in a pattern of deceit.

The company paid a record \$33.5 million in fines for lying to the government about the plant's dangerous operating condition in the fall of 2001. At that time the utility had negotiated a six-week extension to avoid a shutdown order that had been prepared by the NRC. David M. Uhlmann, chief of the Justice Department's environmental crimes section, said last year that FirstEnergy had shown "brazen arrogance" and "breached the public trust" for concealing information.

Jim Riccio, Greenpeace's nuclear policy analyst in Washington, yesterday said it seems "just a little too convenient" for FirstEnergy to argue now that the crack rate for the reactor-head nozzles was faster than originally thought, yet not fast enough to affect the rest of the industry. "All this has proved is that the NRC and [FirstEnergy Nuclear Operating Co.] were lucky. They weren't good," Greenpeace's Mr. Riccio said. "Most operators don't let a boric acid blanket sit on top of the reactor and change out the [containment] filters every other day," Mr. Riccio said.

The new report, made public on the NRC's Web site yesterday, was compiled for FirstEnergy's legal team to help the utility's attorneys in their arbitration against Nuclear Electric Insurance Limited, company spokesman Todd Schneider said.

The disputed \$200 million only covers FirstEnergy's costs for buying and installing a new reactor head. The utility lost more than \$600 million from Davis-Besse's record two-year outage that ended in the spring of 2004, more than half from lost power. It also spent millions correcting design flaws while the plant was out of service, he said.

Mr. Kucinich said the report shows FirstEnergy brought the reactor "closer to a catastrophic incident than was first reported." "Based on the information brought forward, it would appear that the region was in greater danger than anyone could have ever imagined," he said. "FirstEnergy will have to explain why they put the safety of the region and the safety of the Great Lakes water supply at danger - and why they should be given any money at all," the congressman said.

David Lochbaum, Union of Concerned Scientists nuclear safety engineer, noted that Davis-Besse was identified by the industry-funded Electric Power Research Institute in the fall of 2001 as the plant most likely to develop reactor-head nozzle cracks similar to ones found at a South Carolina nuclear plant. That, he said, suggests that what happened at Davis-Besse was no fluke. "I think they're going to have a hard sell," Mr. Lochbaum said. "Their own root-cause analysis said they put production ahead of safety."

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NRC Event Reports

Power Reactor	Event Number: 43282
Facility: PERRY Region: 3 State: OH Unit: [1] [] [] RX Type: [1] GE-6 NRC Notified By: ALAN D. RABENOLD HQ OPS Officer: PETE SNYDER	Notification Date: 04/05/2007 Notification Time: 21:22 [ET] Event Date: 04/05/2007 Event Time: [EDT] Last Update Date: 04/05/2007
Emergency Class: NON EMERGENCY 10 CFR Section: 50.72(b)(2)(xi) - OFFSITE NOTIFICATION 50.72(b)(3)(xii) - OFFSITE MEDICAL	Person (Organization): LAURA KOZAK (R3)

Unit	SCRAM Code	RX CRIT	Initial PWR	Initial RX Mode	Current PWR	Current RX Mode
1	N	N	0	Refueling	0	Refueling

Event Text

POTENTIALLY CONTAMINATED PERSON WITH A BACK INJURY TRANSPORTED TO LAKE EAST HOSPITAL

"At 2005, an injury occurred to a worker when the individual fell and injured his back. At 2122, the worker was attended by local Emergency Medical Personnel who transported the individual to our local Hospital. Due to his back injury his back will not be able to be completely monitored until arrival to the hospital. The individual is being classified as potentially contaminated. Radiation [Protection] personnel are accompanying the victim on the ambulance and to the local hospital emergency room to aid in radiological assessment.

"Due to our procedures we will be making notifications to the State Of Ohio and the local county Emergency Management Agencies of the incident. Due to the offsite notifications a 4 hour non-emergency call is required."

The individual was a contractor onsite for outage support.

The licensee notified the NRC Resident Inspector.

* * * UPDATE AT 2249 ON 4/5/07 FROM A. RABENOLD TO SNYDER * * *

"The contractor individual was found in the Containment Drywell 630 foot elevation. He fell off of scaffolding approximately 4-5 feet to the grating. When the medical personnel arrived at the scene they found him unconscious. He regained [consciousness] when medical personnel arrived at the scene.

"At 2218 [the licensee received a] report from Radiation Protection personnel that the individual was not contaminated."

Notified R3DO (L. Kozak).

* * * Update on 04/06/07 at 1130 EDT from M. Nemcek to MacKinnon * * *

The injured person was found not to have contamination on him but it was reported to Perry Nuclear Power plant that fixed contamination was found on his Protective Clothing (PC), Safety Belt and Tool Belt. Fixed contamination on the PC direct contact reading was between 100 to 150 cpm. Fixed direct on contact contamination on the Safety Belt & the Toll Belt was between 100 to 500 cpm. No contamination found in the ambulance or in the Hospital. NRC Resident Inspector was left a message of this information by the licensee. NRC R3DO (L. Kozak) notified.

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General Information or Other	Event Number: 43294
Rep Org: FAIRBANKS MORSE ENGINE Licensee: FAIRBANKS MORSE ENGINE Region: 3 City: BELOIT State: WI County: License #: Agreement: Y Docket: NRC Notified By: DOMINIC DEDOLPH HQ OPS Officer: MARK ABRAMOVITZ	Notification Date: 04/09/2007 Notification Time: 20:30 [ET] Event Date: 04/09/2007 Event Time: [CDT] Last Update Date: 04/09/2007
Emergency Class: NON EMERGENCY 10 CFR Section: 21.21 - UNSPECIFIED PARAGRAPH	Person (Organization): JAMES TRAPP (R1) CHARLES R. OGLE (R2) SONIA BURGESS (R3) THOMAS FARNHOLTZ (R4) TABATABAI (E-MAIL) () VERN HODGE (E-MAIL) ()

Event Text

PART 21 NOTIFICATION - DIESEL CAM ROLLER BUSHING FAILURES

"The [fuel pump] cam roller bushing part number 16100527 (and part number 16600336 for the kit containing cam roller bushings) for the Fairbanks Morse Engine Opposed Piston engine Emergency Diesel Generator shipped prior to August 2001 may be made from an incorrect material that is too soft for the application.

"The subject emergency diesel generator would not have been able to achieve its maximum load rating and therefore not have been able to perform its intended function."

The potentially affected plants are:

Alabama Power/Farley

Arkansas Power

Amergen /GPU/TMI

Constellation/BG&E

Detroit Edison/Fermi

Dominion/Millstone

Vepco

Georgia Power/Hatch

Vermont Yankee

Exelon/PECO - Limerick/Peach Bottom

FPL/NMC/IES/Duane Arnold

NMC Prairie Island/Northern States
 Progress Energy (CP&L)
 SCANA/South Carolina Electric and Gas
 Electronuclear (Electrobras)

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Power Reactor	Event Number: 43292
Facility: DAVIS BESSE Region: 3 State: OH Unit: [1] [] [] RX Type: [1] B&W-R-LP NRC Notified By: THOMAS PHILLIPS HQ OPS Officer: JOHN KNOKE	Notification Date: 04/09/2007 Notification Time: 15:17 [ET] Event Date: 04/09/2007 Event Time: 07:30 [EDT] Last Update Date: 04/10/2007
Emergency Class: NON EMERGENCY 10 CFR Section: 50.72(b)(3)(xiii) - LOSS COMM/ASMT/RESPONSE	Person (Organization): SONIA BURGESS (R3)

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

SEISMIC MONITORING SYSTEM OUT OF SERVICE

"On April 9, 2007, at approximately 0730 hours, the keyswitch for the Seismic Monitoring System was discovered in the off position, rendering the Seismic Monitoring System unavailable. The system has apparently been in this configuration since March 29, 2007, when deficiencies were found during routine calibration checks. The ability to declare an Unusual Event per Emergency Action Level 8.A.1 would not be significantly hampered by this event, because this declaration would be based on either personnel feeling an earthquake, or detection via the Seismic Monitoring System. However, the unavailability of the Seismic Monitoring System could potentially hamper the operators in determining the magnitude of an earthquake in order to determine if it reached Operating Basis Earthquake levels or Safe Shutdown Earthquake levels. Therefore, this could potentially hamper the declaration of an Alert or Site Area Emergency, respectively, per Emergency Action Levels 8.A.2 or 8.A.3. Therefore, this event is being considered reportable per 10 CFR 50.72(b)(3)(xiii), as it results in a loss of emergency assessment capability. Compensatory measures are being established to obtain an off-site source of this information in a timeframe that can support timely declaration of an emergency."

The licensee will notify the NRC Resident Inspector.

* * * UPDATE ON 04/10/07 AT 0936 EDT FROM THOMAS PHILLIPS TO MACKINNON * * *

"At time 0639 on 4/10/2007 the Seismic Monitoring System Instrumentation was reset. The Seismic Monitoring System is now FUNCTIONAL.

"With the SMA-3 Key Switch in the OPERATE position and the system RESET, the Seismic signal processing system and output devices are functioning to provide a STA SEISMIC INSTR ON alarm and to indicate if an OBE or SSE threshold has been exceeded. Therefore, the emergency assessment capability to declare an ALERT for EAL 8.A.2 or a Site Area Emergency for EAL 8.A.3 is restored. The Seismic Monitoring System remains INOPERABLE pending completion of DB-MI-04222, Seismic Instrumentation Calibration." R3DO (S. Burgess) notified.

NRC Resident Inspector will be notified of this update by the licensee.

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Fuel Cycle Facility	Event Number: 43303
Facility: PORTSMOUTH GASEOUS DIFFUSION PLANT RX Type: URANIUM ENRICHMENT FACILITY Comments: 2 DEMOCRACY CENTER 6903 ROCKLEDGE DRIVE BETHESDA, MD 20817 (301)564-3200 Region: 2 City: PIKETON State: OH County: PIKE License #: GDP-2 Agreement: Y Docket: 0707002 NRC Notified By: ERIC R. SPAETH HQ OPS Officer: JOHN MacKINNON	Notification Date: 04/15/2007 Notification Time: 23:30 [ET] Event Date: 04/15/2007 Event Time: 09:30 [EDT] Last Update Date: 04/16/2007
Emergency Class: NON EMERGENCY 10 CFR Section: 76.120(c)(2) - SAFETY EQUIPMENT FAILURE	Person (Organization): JOEL MUNDAY (R2) ABY MOHSENI (FSME)

Event Text

SAFETY SYSTEM ACTUATION - AUTOCLAVE HIGH CONDENSATE LEVEL ALARM RECEIVED DURING HEATUP

"At 0930 hours, Autoclave (AC) # 2 in the X-344 Facility experienced a Steam Shutdown due to high condensate level alarms (A) and (B) actuating. The AC was in applicable TSR Mode II 'Heating' for 45 minutes when the actuation occurred. This is considered a valid actuation of a 'Q' Safety System. The autoclave was placed in MODE IV 'Shutdown' and declared inoperable by the Plant Shift Superintendent (PSS). An investigation is underway to determine the cause of the actuation. No release of radioactive material occurred as a result of the incident. This event is being reported in accordance with UE2-RA-RE1030 Appendix D. J. 2. Safety Equipment Actuation."

The NRC was notified of this by the licensee.

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