

To: Jim Mehl, ERU Supervisor  
From: Zack Clayton, Rad Coord  
Subject: November Monthly Report  
Date: December 11,2007

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#### Beans:

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

Web Page Hits: There were 39 RAD hits in October.

#### Coming Attractions:

Working Group 12/5 1/3  
SAIC 12/3 12/17 1/7 1/14 1/28  
Ingestion Drill 12/18  
URSB 1/7  
NEPAC 1/TBA

#### Facility Updates:

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

Davis Besse operated for the month at full power with no reported problems.

##### **Perry Nuclear Power Plant**

Perry operated at full power until November 28 when they had a reactor scram due to a possible turbine trip or loss of feed water. The RCIC system came on and then tripped off, was reset and tripped off. The plant is shut down for inspection of these systems to determine the cause of the reactor trip and the subsequent RCIC trips. See NRC report 43808

##### **Beaver Valley Unit I**

Beaver Valley Unit I operated for November at full power with no reported problems.

## Beaver Valley Unit II

Beaver Valley Unit II operated at full power for the month with n reported problems.

## Fermi II

Fermi began November in a refueling outage that ended on November 13. The plant tripped off at 9% power on November 15. This issue was resolved and the plant returned to power on November 17. See NRC report 43784.

**Portsmouth Gaseous Diffusion Plant** had an autoclave shutdown on November 14 due to high condensate levels. An investigation is ongoing.

## Meetings:

All meetings for November occurred during Jury Duty.

11/19 11/26 SAIC

## Office Issues:

No outstanding office issues.

## NRC Reports and Statistics:

November operating power levels

Date	BV1	BV2	DB	Fermi	Perry	
1	100	100	100	0	100	Fermi in refueling outage from 9/29
5	100	100	100	0	100	
12	100	100	100	0	100	
14	100	100	100	2	100	Fermi exiting Outage
19	100	100	100	40	100	
26	100	100	100	100	100	
29	100	100	100	100	0	Perry had a SCRAM for unknown reasons.
30	100	100	100	100	0	

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Power Reactor	Event Number: 43768
Facility: FERMI Region: 3 State: MI Unit: [2] [ ] [ ] RX Type: [2] GE-4	Notification Date: 11/03/2007 Notification Time: 17:26 [ET] Event Date: 11/03/2007 Event Time: 17:22 [EDT]

NRC Notified By: P. FALLON HQ OPS Officer: JEFF ROTTON	Last Update Date: 11/07/2007
Emergency Class: NON EMERGENCY 10 CFR Section: 50.72(b)(3)(xiii) - LOSS COMM/ASMT/RESPONSE	Person (Organization): JOHN MADERA (R3)

Unit	SCRAM Code	RX CRIT	Initial PWR	Initial RX Mode	Current PWR	Current RX Mode
2	N	N	0	Cold Shutdown	0	Cold Shutdown

**Event Text**

LOSS OF SPDS AND ERDS DUE TO PLANNED MAINTENANCE

"At 1722 hours, on 11/3/2007, the SPDS and ERDS system was removed from service to support activities for a planned maintenance outage on the UPS vital bus power supply. The duration of work is expected to be approximately 48 hours. During this time, Control Room indications and alternate methods will be available. Since the SPDS computer system will be unavailable for greater than 8 hours, this is considered a Loss of Emergency Assessment Capability and reportable under 10CFR50.72(b)(3)(xiii). The licensee will notify the NRC Resident Inspector."

\* \* \* UPDATE AT 1715 ON 11/7/2007 FROM SUE REITH TO MARK ABRAMOVITZ \* \* \*

"Maintenance activities are continuing on the power supply for the SPDS and ERDS systems. Current estimate will restore the computer systems by 2000 on 11/08/07. An update will be provided once SPDS and ERDS are restored." R3DO (M. Phillips) notified.

The licensee notified the NRC Resident Inspector.

\* \* \* UPDATE AT 1234 ON 11/8/2007 FROM DAVID HEMMELE TO MARK ABRAMOVITZ \* \* \*

"Planned work which resulted in the removal from service of SPDS and ERDS has been completed. SPDS and ERDS have been restored to service as of 1115 11/8/2007."

The licensee notified the NRC Resident Inspector.

Notified the R3DO (Phillips).

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Fuel Cycle Facility	Event Number: 43783
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: GARY SALYERS HQ OPS Officer: MARK ABRAMOVITZ	Notification Date: 11/14/2007 Notification Time: 21:04 [ET] Event Date: 11/14/2007 Event Time: 08:30 [EST] Last Update Date: 11/14/2007

Emergency Class: NON EMERGENCY 10 CFR Section: OTHER UNSPEC REQMNT	Person (Organization): GEORGE HOPPER (R2) LARRY CAMPER (FSME)
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**Event Text**

24-HR INCIDENT REPORT - SAFETY SYSTEM ACTUATION

"At 0830 hours, Autoclave #5 in the X-343 Facility experienced a Steam Shutdown due to high condensate level alarm (B) actuating. The autoclave was in TSR applicable Mode IV 'Feeding, Transfer or Sampling' when the actuation occurred. This is considered a valid actuation of a 'Q' Safety System. The autoclave was placed in Mode VII '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 is being reported in accordance with UE-RA-RE1030 Appendix D.J.2. 'Safety Equipment Actuations.'"

The licensee notified the NRC Program Manager and will notify the DOE site representative.

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Power Reactor	Event Number: 43784
Facility: FERMI Region: 3 State: MI Unit: [2] [ ] [ ] RX Type: [2] GE-4 NRC Notified By: GEORGE MILLER HQ OPS Officer: JOE O'HARA	Notification Date: 11/15/2007 Notification Time: 06:34 [ET] Event Date: 11/15/2007 Event Time: 03:13 [EST] Last Update Date: 11/15/2007
Emergency Class: NON EMERGENCY 10 CFR Section: 50.72(b)(2)(iv)(B) - RPS ACTUATION - CRITICAL	Person (Organization): DAVE PASSEHL (R3)

Unit	SCRAM Code	RX CRIT	Initial PWR	Initial RX Mode	Current PWR	Current RX Mode
2	M/R	Y	9	Startup	0	Hot Shutdown

**Event Text**

REACTOR SCRAM - INITIATION OF ARI CAUSED BY LEVEL 2 SIGNAL

"At 03:13 EST 11/15/2007, a reactor scram occurred due to initiation of ARI caused by a Level 2 signal from Div 1 level instrumentation. The reactor mode switch was taken to shutdown in response to the trip of the recirc pumps initiated by ARI as directed by our Abnormal Operating procedures. All control rods fully inserted into the core. The lowest reactor vessel water level reached was 183 inches. The MSIV's were manually closed to control cooldown rate. Reactor water level is being controlled by CRD and reactor water cleanup blowdown.

"At the time of the scram, protective tagging was being hung on the Division I Reference Leg Backfill system.

"At the time of the scram all ECCS systems and Emergency Diesel Generators were operable. This report is being made in accordance with 10 CFR 50.72(b)(2)(iv)(B), any event that results in actuation of the reactor protection system (RPS) when the reactor is critical."

The licensee is investigating the cause of the scram. There was no ECCS injection. Primary plant pressure is 400 psig, and primary plant temperature is 335 degrees Fahrenheit. The scram is

uncomplicated.

The licensee notified the NRC Resident Inspector.

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General Information or Other	Event Number: 43786
Rep Org: OHIO BUREAU OF RADIATION PROTECTION Licensee: OHMART-VEGA Region: 3 City: CINCINNATI State: OH County: License #: 03214310002 Agreement: Y Docket: NRC Notified By: STEPHEN JAMES HQ OPS Officer: JASON KOZAL	Notification Date: 11/16/2007 Notification Time: 09:15 [ET] Event Date: 11/14/2007 Event Time: [EST] Last Update Date: 11/16/2007
Emergency Class: NON EMERGENCY 10 CFR Section: AGREEMENT STATE	Person (Organization): DAVE PASSEHL (R3) CINDY FLANNERY (FSME) ILTAB (E-MAIL) () CANADA (EMAIL) ()

This material event contains a "Less than Cat 3" level of radioactive material.

#### Event Text

##### AGREEMENT STATE REPORT - LOST Cs-137 SOURCE HOLDER

"Ohmart-VEGA RSO was informed on 11/14/07 that a shipment of SR-1A source holders sent to Gibraltar Mines in McLeese Lake, BC, Canada has been lost in transit. The missing consignment consists of 5 devices, each containing 100 mCi of Cs-137. The shipment left the Ohmart facility on 10/25/07. The Ohmart representative in Canada [DELETED] is leading the effort to locate the missing shipment. [DELETED] of the CNSC was notified by Canadian Freightways personnel on 11/14/07.

"TST Overland confirms turning over (2) skids to Canadian Freightways on Oct 29, 2007 in Burnaby, BC for furtherance to McLeese Lake, BC. One skid containing detectors was delivered to the customer in McLeese Lake. [DELETED] was unaware of this missing item until he received a phone call from the customer. He is pressing the trucking company to locate the equipment.

"Timeline as currently known:

TST-Overland picked up two skids at Ohmart-Vega in Cincinnati, OH on 10/25/07; TST signed for them on waybill 766-4148797.

TST-Overland moved the shipment through Sarnia, ON for delivery to TST-Porter Burnaby, BC.

TST-Porter in Burnaby verified receipt of two skids.

CFL was called to pick up 2 skids from TST-Porter in Burnaby on waybill 354-982526 per the attached copy.

CFL delivered the shipment of one pallet only to Williams Lake November 2.

Trace started with CFL November 9."

Devices are five Sealed Source Fixed Gauges activity of 100 mCi each Serial Numbers (5943CN, 5950CN, 6157CN, 6160CN, 6165CN).

Ohio report number: OH070006

THIS MATERIAL EVENT CONTAINS A "LESS THAN CAT 3" LEVEL OF RADIOACTIVE MATERIAL

Sources that are "Less than IAEA Category 3 sources," are either sources that are very unlikely to cause permanent injury to individuals or contain a very small amount of radioactive material that would not cause any permanent injury. Some of these sources, such as moisture density gauges or thickness gauges that are Category 4, the amount of unshielded radioactive material, if not safely managed or securely protected, could possibly - although it is unlikely - temporarily injure someone who handled it or were otherwise in contact with it, or who were close to it for a period of many weeks.

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Emergency Class: NON EMERGENCY 10 CFR Section: AGREEMENT STATE	Person (Organization): DAVE PASSEHL (R3) CINDY FLANNERY (FSME) ILTAB (E-MAIL) () CANADA (EMAIL) ()

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Power Reactor	Event Number: 43808
Facility: PERRY Region: 3 State: OH Unit: [1] [ ] [ ] RX Type: [1] GE-6 NRC Notified By: ALAN RABENOLD HQ OPS Officer: BILL HUFFMAN	Notification Date: 11/28/2007 Notification Time: 08:39 [ET] Event Date: 11/28/2007 Event Time: 07:32 [EST] Last Update Date: 11/28/2007
Emergency Class: NON EMERGENCY 10 CFR Section: 50.72(b)(2)(iv)(A) - ECCS INJECTION 50.72(b)(2)(iv)(B) - RPS ACTUATION - CRITICAL 50.72(b)(3)(iv)(A) - VALID SPECIF SYS ACTUATION	Person (Organization): CHRISTINE LIPA (R3) JERRY DOZIER (NRR) MARK SATORIUS (R3) BRIAN McDERMOTT (IRD)

Unit	SCRAM Code	RX CRIT	Initial PWR	Initial RX Mode	Current PWR	Current RX Mode
1	A/R	Y	100	Power Operation	0	Hot Shutdown

**Event Text**

**REACTOR SCRAM AND ECCS INJECTION**

A reactor scram occurred at full power due to either a main turbine trip or loss of feedwater (cause is still under investigation). All rods fully inserted. RCIC started as expected but tripped shortly thereafter on a preliminary indication of low suction pressure. The Digital Feedwater System backup motor driven feedwater pump did not function as required and reactor water level decreased to level 2 ( 130 inches). High Pressure Core Spray (HPCS) started automatically at level 2 and restored water level. Currently reactor water level is at 188 inches and reactor pressure is at 927 PSI. Decay heat is being removed via the turbine bypass valves. No other significant equipment was out of service at the time of the scram. The scram had no impact on offsite or onsite power availability.

The licensee attempted to restore RCIC a second time and experienced another trip. In addition, the licensee attempted to restore the digital feedwater and was unsuccessful. Feedwater continues to be supplied as needed via the HPCS while the licensee attempts to restore RCIC and Digital Feedwater System.

The licensee notified the NRC Resident Inspector.

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