

To: Jim Mehl, ERU Supervisor  
From: Zack Clayton, Rad Coord  
Subject: September Monthly Report  
Date: September 14, 2007

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#### Beans:

Training: 0  
Drills 1  
Meetings: 3  
Technical Assistance: 2  
Public Assistance: 2  
SAIC 3

Web Page Hits: There were RAD hits in September.

#### Coming Attractions:

Working Group 10/1 11/7  
SAIC 10/22 10/29  
URSB 10/9  
NEPAC 10/11  
Ingestion Planng 11/8

#### Facility Updates:

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

Davis Besse operated for the month at full power.

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

Perry operated at full power for the month. The plant discovered a NPDES pH exceedance on the 20<sup>th</sup>. This was reported to Ohio EPA and evaluated for remediation.

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

Beaver Valley Unit I started the month in a power coast down to a refueling outage that started September 24.

## 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.

**Portsmouth Gaseous Diffusion Plant** reported an air permit violation on September 28.

## Meetings:

9/5 Working Group covered plant activities, RAT training details, and KI distribution/replacement. Agencies updated the Initiatives. FENOC has completed staff review of the reporting agreement and has forwarded it on to upper management. Resolution and adoption is expected in two to three months.

9/5 After Action Meeting updated several issues from the Davis Besse Exercise. About 6 outstanding items were resolved and removed from the active matrix.

9/18 Perry security drill. I acted as observer and scribe for this event which did not have a plume release. Several issues came up which reflect a legacy mindset for radiological events which do not fit neatly into a security scenario. These areas have been added to the After Action Matrix.

9/10 9/17 9/24 SAIC

## Office Issues:

No outstanding office issues.

## NRC Reports and Statistics:

August operating power levels

Date	BV1	BV2	DB	Fermi	Perry	
1	99	100	100	100	100	Coast down to refueling outage
3	99	100	100	100	100	
10	98	100	100	100	100	
17	95	100	100	100	100	Refueling outage
24	0	100	100	100	100	
30	0	100	100	100	100	

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Power Reactor	Event Number: 43653
Facility: PERRY Region: 3 State: OH Unit: [1] [ ] [ ] RX Type: [1] GE-6 NRC Notified By: TOM STEC HQ OPS Officer: BILL HUFFMAN	Notification Date: 09/20/2007 Notification Time: 14:46 [ET] Event Date: 09/19/2007 Event Time: 15:25 [EDT] Last Update Date: 09/20/2007
Emergency Class: NON EMERGENCY 10 CFR Section: 50.72(b)(2)(xi) - OFFSITE NOTIFICATION OTHER UNSPEC REQMNT	Person (Organization): HIRONORI PETERSON (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

#### OFFSITE NOTIFICATION OF UNKNOWN DISCHARGE AND 24 HOUR REPORT PER APPENDIX B OF OPERATING LICENSE

"[The information below concerns a] September 19, 2007 NPDES Reportable Occurrence verbiage/Notification to the Ohio Environmental Protection Agency. This notification was made on September 20, 2007.

"Time of discharge is unknown. Cloudy water was discovered in 'Major Stream' diversion (also referred to as 'Red Mill Run') at approximately 1525 hours on September 19, 2007.

"The amount of discharge is unknown. At the time of discovery, approximately 10 to 15 gallons of water, per minute, were observed discharging from the storm drain. On September 20, 2007, the observed discharge from the storm drain was approximately 1 to 2 gallons of water per minute.

"The pH of the stream was 11.2 standard units (SU) at 1650 hours on September 19, 2007 with white powdery deposition on the stream bed. At 1000 hours on September 20, 2007, a sample taken for pH indicated 8.48 SU.

"A number of small stressed fish were observed at time of discovery, along with approximately 5 to 10 small dead fish. No frogs, crayfish, or other local aquatic life forms were observed to have been negatively impacted.

"Initial analysis of the sediment from the stream bed indicated the main constituents were inorganic calcium & oxygen (possible materials include but not limited to calcium oxide, calcium carbonate, calcium hydroxide).

"The source of the high pH and white sediment is unknown at this time and an investigation is in progress.

"The affected area [has been inspected] and recommendations for clean-up remediation [provided]. The recommendations are currently being evaluated."

"This event is being reported in accordance with Appendix B to the Operating License (The Environmental Protection Plan) which requires reporting of any occurrence of an unusual or important event that indicates or could result in significant environmental impact causally related to plant operation (An example includes 'fish kills').

"This event is also being reported in accordance with 10CFR50.72(b)(2)(xi). 'Any event or situation,

related to the health and safety of the public or on-site personnel, or protection of the environment, for which a news release is planned or notification to other government agencies has been or will be made. Such an event may include an on-site facility or inadvertent release of radioactively contaminated materials'."

The NRC Resident Inspector and applicable State authorities have been notified.

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Fuel Cycle Facility	Event Number: 43671
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: RON CRABTREE HQ OPS Officer: MARK ABRAMOVITZ	Notification Date: 09/28/2007 Notification Time: 14:35 [ET] Event Date: 09/28/2007 Event Time: 11:16 [EDT] Last Update Date: 09/28/2007
Emergency Class: NON EMERGENCY 10 CFR Section: OTHER UNSPEC REQMNT	Person (Organization): MALCOLM WIDMANN (R2) ROBERT PIERSON (FSME)

**Event Text**

SMOKE FROM STEAM PLANT STARTUP REQUIRING STATE NOTIFICATION

"At 0930 hours, 09/28/07, the PORTS Plant Shift Superintendent's (PSS) Office was notified of an opacity exceedance, which had occurred at the X-600 Steam Plant on 09/18/07. The PORTS PSS Office notified the Ohio Environmental Protection Agency (OEPA) of this incident, at 1116 hours, 09/28/07. This notification to another government agency is reportable to the NRC as a 4-Hour Event per the United States Enrichment Corporation (USEC) Nuclear Regulatory Event Reporting Procedure UE2-RA-RE1030, Appendix D, Section P (Miscellaneous) which states: 'USEC shall notify NRC of any event or situation, related to the health and safety of the public or on-site personnel, or protection of the environment, for which a news release is planned or notification to other government agencies has been or will be made. Such an event may include an on-site fatality or inadvertent release of radioactively contaminated materials.'"

The start-up of the steam boiler was completed however, problems were encountered which created smoke after the state mandated time limit for startup smoke had expired.

The licensee notified the NRC Resident Inspector and the Department of Energy.