

To: Jim Mehl, ERU Supervisor
From: Zack Clayton, Rad Coordinator
Subject: July Report
Date: August 14, 2012

Beans

Training: 0
Drills: 0
Meetings: 5
Technical Assistance: 3
Public Assistance: 1

Web Page Views: There were 44 page views in July.

Coming Attractions

8/1 Working Group
8/8 Perry Systems
8/22-23 Perry Dry Run
9/5 Working Group
9/18-19 RAT and IZRRAG training
9/20 CMMRS RDD Drill
9/26 Working Group
10/2-3 Perry Ingestion Exercise
10/9 URSB at Columbiana County

Facility updates

Davis-Besse Nuclear Power Station

Davis-Besse operated at full power for July. There were no reports for the period.

Perry Nuclear Power Plant

Perry operated at full power for July except for a reduction due to thermal limits on the heat sink (cooling tower water supply). As this water is used to cool the spent steam and condense it back to liquid, warmer temperature of the coolant makes the condensation less efficient. This was due to the hotter than average temperatures in July.

On July 3rd at approximately 1738 hours an inadvertent activation of 75 of the 76 sirens occurred for three minutes. PNPP's capability to notify the public has been retained. The siren was not due to any condition or event at the plant. An investigation is in progress to determine the cause of the activation. On July 26 FENOC reported that the event was apparently due to interference from a similar signal and atmospheric skip from several hundred miles away. Coding has been added to the beginning and end of the siren activation signal to prevent this from repeating. See Event No. 48069.

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 except for a brief power reduction to repair a separator drain valve around the 16th.

Fermi II

Fermi II began the month in a forced outage. Part of the ongoing work for this period involved the plant computer systems. See Event Nos. 48061, 48066, 48106, and 48123. Fermi started increasing power July 30.

Fermi III

There were no reports regarding Fermi III.

Portsmouth Enrichment Plant

The Portsmouth Gaseous Diffusion plant is now in cleanup and decommissioning.

Activity

7/6 Working Group at OEMA. Agency and plant updates. Review of information for the URSB meeting.

7/9 URSB meeting at Davis-Besse administration building.

- 7/19 Forms review meeting for plume and ingestion phases at OEMA. A few forms need to be updated.
- 7/25 CMMRS Planning call for 9/20 exercise. A concern for the state is that it appears no one is opening an EOC for this. The SEOC Dose assessment will be open so there is a place for the participants to call in to, but that is the only advisory organization planned.
- 7/26 NEPAC in Akron. State, county, and plant updates along with preparation for the Perry exercise in October. NRC report on plant status. Relatively quiet quarter. FEMA was expected but was not able to attend.

Office Issues

No issues outstanding at this time.

News, NRC Reports, and Statistics

Operating Power Levels

Mnth

Date	BV1	BV2	DB	Perry	Fermi2	
1	100	100	100	100	0	Fermi in forced outage See Event #48047
2	100	100	100	100	0	
9	100	100	100	100	0	
16	100	92	100	100	0	BV2 separator drain pump failure
23	100	100	100	100	2	
24	100	100	100	95	0	Perry in thermal power limit
26	100	100	100	95	0	
30	100	100	100	89	62	
31	100	100	100	100	68	

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/2012/>.

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

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

Information Notice 2012-09, Irradiation Effects on Fuel Assembly Spacer Grid Crush Strength, dated June 28, 2012,
ADAMS Accession No. ML113470490

Request for Voluntary Response to Petition From Union of Concerned Scientists Regarding Compliance with Title 10 of the Code of Federal Regulations (10CFR) Part 50, Appendix A, General Design Criteria 44, "Cooling Water," and 10 CFR 50.49, "Environmental Qualification"

ADAMS Accession No.: ML12172A157

SUMMARY OF TELEPHONE CONFERENCE CALL HELD ON JUNE 21, 2012, BETWEEN THE U.S. NUCLEAR REGULATORY COMMISSION AND FIRSTENERGY NUCLEAR OPERATING COMPANY, CONCERNING REQUESTS FOR ADDITIONAL INFORMATION PERTAINING TO THE DAVISBESSE NUCLEAR POWER STATION, LICENSE RENEWAL APPLICATION (TAC. NO. ME4640)

ADAMS ACCESSION NO. ML121985A020

Request for Additional Information for the Review of the Davis-Besse Nuclear Power Station License Renewal Application Related Shield Building Cracking (TAC NO. ME4640)

ADAMS Accession No. ML12191A192

Davis-Besse Nuclear Power Station; NRC Security Baseline Inspection Report 05000346/2012402(DRS) - Cover Letter Only

ADAMS Accession Number ML12193A567

DAVIS-BESSE CONFIRMATION PUBLIC MEETING FENOC

ADAMS ACCESSION # ML12194A708

Ltr 07/12/12 Fermi Power Plant, Unit 2 - Notification of NRC Inspection And Request For Information - Cover Letter Only

ADAMS Accession Number ML12198A112

Beaver Valley: Forthcoming Pre-Submittal Meeting With FirstEnergy Nuclear Operating Company to Discuss Upcoming Beaver Valley Power Station National Fire Protection Association Standard 805 (NFPA 805) Submittal

ADAMS Accession No.: ML12194A562

Davis-Besse Unit 1 Public Meeting to Discuss the 2011 End-of-Cycle Performance Assessment –

ADAMS Accession No. ML12199A198

RIS 2012-08, Developing Inservice Testing and Inservice Inspection Programs Under 10 CFR Part 52, dated July 16, 2012

ADAMS Accession NO. ML12114A010

Perry Nuclear Power Plant, Unit No.1 - Request for Additional Information Related to Request for Alternative Examination Information Related to Request for Alternative Examination Requirements for American Society of Mechanical Engineers Class 1 Piping Welds

ADAMS Accession No. ML12167A313

Information Notice 2012-10, Recent Issues Associated With Submittal of NRC Form 396, Certification on Medical Examination By Facility Licensee, For Applicants and Licensed Operators at Non-Power Reactors, dated July 16, 2012

ADAMS Accession No. ML12153A001

Davis-Besse Nuclear Power Station, Unit No. 1 - Summary of Conference Call for Steam Generator Tube Inservice Inspections for Spring 2012 Refueling Outage

ADAMS Accession Nos. ML12165A350, ML12167A062, ML12167A262s

Summary of June 26, 2012, Public Meeting with FENOC Regarding Licensing Practices and Processes

ADAMS Accession No. ML12195A113

Beaver Valley Power Station, Unit No. 2 – Request for Relief Relating to Reactor Vessel Nozzle Welds (TAC No. ME7770)

ADAMS Accession No.: ML12188A110

Information Notice 2012-07, Tube-to-Tube Contact Resulting in Wear In Once-Through Steam Generators, dated July 17, 2012

ADAMS Accession No. ML120740578

Information Notice 2012-11, Age Related Capacitor Degradation, dated July 23, 2012

ADAMS Accession No. ML120330272

Information Notice 2012-12, HVAC Design Control Issues Challenge Safety System Function, dated July 24, 2012

ADAMS Accession No. ML12115A012

Status of 90-Day Response to Request for Information Regarding Recommendation 9.3 of Near-Team Task Force Related to the Fukushima Dai-ichi Nuclear Power Plant Accident

ADAMS Accession No. ML12200A106

Bulletin 2012-01, Design Vulnerability In Electric Power System, dated July 27, 2012

ADAMS Accession No. ML12074A115

DAVIS-BESSE TI 2511/177 REQUEST FOR INFORMATION LETTER

ADAMS ACCESSION No. ML12209A220

Davis-Besse Nuclear Power Station Integrated Inspection Report 05000346/2012003 –
ADAMS Accession No. ML12212A077

News

Columbus Dispatch

INDEPENDENT PROBE

Japanese meltdown man-made, report says

By Jacob Adelman

BLOOMBERG NEWS

Friday July 6, 2012 7:00 AM

TOKYO — Japan's nuclear disaster was the result of man-made failures before and after last year's earthquake, according to a report released yesterday by an independent parliamentary investigation.

Issues included regulators working with Fukushima plant operator Tokyo Electric Power Co. to avoid implementing safety measures, as well as a government lacking commitment to protect the public, the Fukushima Nuclear Accident Independent Investigation Commission said.

The March 11, 2011, accident, which set off a wave of reactor-safety investigations around the world, "cannot be regarded as a natural disaster," the commission's chairman, Tokyo University professor emeritus Kiyoshi Kurokawa, wrote in the report. It "could and should have been foreseen and prevented. And its effects could have been mitigated by a more effective human response."

Two reactors run by Kansai Electric Power Co. won approval to restart this month, despite protests on June 29 outside the prime minister's office in Tokyo that reportedly drew as many as 20,000 people. A *Mainichi* newspaper poll on June 4 showed as many as 71 percent of Japanese opposed the restarts.

Yesterday's report was the harshest critique yet of Tokyo Electric and the government. The investigation couldn't rule out the possibility that the magnitude 9 earthquake damaged the Fukushima Dai-Ichi No. 1 reactor and its safety equipment. Three other investigations led by the government, the utility and a private foundation reported finding no evidence of major damage to reactor buildings and equipment at the Fukushima plant from last year's quake. They concluded that the plant was swamped by a 43-foot tsunami that followed the quake, knocking out backup power generation and causing the meltdown of three reactors.

Radiation fallout from the reactors forced the evacuation of about 160,000 people and left land in the area uninhabitable for decades.

This new report might have implications for all of Japan's atomic-plant operators if it leads to tougher earthquake-resistance standards. The operators reported combined losses of \$20 billion in the year that ended in March after the country's 50 reactors were shut down and petroleum-fired plants tried to take up the slack.

If the Fukushima reactor had already been crippled by the quake when the tsunami hit, it would force regulators to reconsider the seismic criteria that all Japan's plants need to

follow, said Najmedin Meshkati, a professor of civil engineering at the University of Southern California who has researched nuclear safety in Japan.

“If this reactor got some damage because of the earthquake,” Meshkati said, “we really need to go back and revisit some of our assumptions that we have for the design basis of other reactors.

Forcing Japan’s reactors to undergo expensive retrofits for earthquakes could make nuclear power less competitive with other sources, said Andrew DeWitt, a professor at Tokyo’s Rikkyo University who focuses on energy policy .“Once you start doing these revisions, you’ve got to build huge walls, you’ve got to do all kinds of things,” DeWitt said. “It’s raising the cost of power.”

The report said the commission found evidence of collusion between Tokyo Electric and its regulator, the Nuclear and Industrial Safety Agency, to avoid implementing new safety regulations.

Tokyo Electric also exploited its cozy relationship with regulators to take the teeth out of regulations, the investigators said.

“Across the board, the commission found ignorance and arrogance unforgivable for anyone or any organization that deals with nuclear power,” the report said.

Appointed in December, investigation chief Kurokawa clashed quickly with Prime Minister Yoshihiko Noda when his cabinet approved a bill on Jan. 31 to create a new nuclear regulatory agency.

“It is very hard to understand how the cabinet decision has been made” before the panel finishes its investigation, Kurokawa said.

Parliament approved the new agency on June 20. The watchdog, to be established as early as September, will replace the Nuclear Industrial Safety Agency and the Nuclear Safety Commission.

USEC creates management, oversight panels for Ohio research

Hannah Northey, E&E reporter

Published: Wednesday, July 25, 2012

The U.S. Enrichment Corp. is assembling a governing board and a group of advisers to oversee a two-year uranium enrichment research and development program at the controversial American Centrifuge Plant in Piketon, Ohio.

American Centrifuge Demonstration LLC, a newly created subsidiary of USEC, is choosing officials from its parent company, Toshiba Corp. and Babcock & Wilcox Co. to sit on a board of managers that will oversee the development and demonstration of new centrifuge enrichment technology, according to an official with the Energy Department. The board's makeup will be released once ongoing reviews and approvals are complete, USEC spokesman Paul Jacobson said.

The creation of a governance structure stems from DOE's agreement last month to steer another \$87.9 million toward keeping the massive complex in Ohio open through the beginning of December ([Greenwire](#), June 13). DOE signed an agreement that also established a series of technical milestones and performance metrics for the project.

USEC, which was spun off from a federal government program in 1998, has been a key source of uranium for both civilian and defense purposes. The company claims that a gas centrifuge demonstration will be ready to produce low-enriched uranium by the end of next year, making it the first domestic model to do so.

The DOE official said a three-member independent advisory board will also be assembled to provide additional management support for the project, but none of those individuals has been chosen yet.

DOE's Office of Nuclear Energy will also help advance the technology while protecting taxpayers, the official said.

Under the agreement announced last month, DOE will temporarily own much of the centrifuge equipment used to enrich uranium -- 120 new centrifuges -- and will get a royalty-free license to use USEC's technology. DOE has said these conditions would minimize losses to taxpayers in the event the company fails.

But Congress has not yet appropriated funds for the project, and the Ohio plant has garnered criticism from both Democrats and Republicans who have questioned USEC's recently downgraded credit rating and glitches in the new centrifuge technology.

Source: <http://www.eenews.net/Greenwire/2012/07/25/21>

Plant Reports

Power Reactor	Event Number: 48061
Facility: FERMI Region: 3 State: MI Unit: [2] [] [] RX Type: [2] GE-4 NRC Notified By: DEREK ETUE HQ OPS Officer: CHARLES TEAL	Notification Date: 07/02/2012 Notification Time: 08:25 [ET] Event Date: 07/02/2012 Event Time: 08:00 [EDT] Last Update Date: 07/03/2012
Emergency Class: NON EMERGENCY 10 CFR Section: 50.72(b)(3)(xiii) - LOSS COMM/ASMT/RESPONSE	Person (Organization): NICK VALOS (R3DO)

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

SPDS AND ERDS OUT OF SERVICE FOR MAINTENANCE

"Beginning July 2, 2012, at approximately 0800, the Fermi 2 Integrated Plant Computer System (IPCS) will be removed from service to support installation of a Cyber Security Modification. The Safety Parameters Display System (SPDS) and

Emergency Response Data System (ERDS) reside on the IPCS platform and will be out of service when the IPCS is removed from service. These systems will be unavailable to the Control Room and all other Emergency Response Facilities (ERFs) for approximately 20 hours. By 0300 on July 3, 2012, it is planned to restore IPCS, including SPDS and ERDS, to the Control Room, Operational Support Center, the Technical Support Center, and alternate facilities. During this time dose assessment capability will only be available in the manual data input mode. The majority of the Control Room indications remain available to the plant staff, and will be used for emergency response, if needed. Information will be communicated to the NRC using other available communication systems as needed. A follow-up notification will be submitted when the IPCS is completely restored. This notification is being made per the requirements of 8 Hour Non-Emergency Notification 10 CFR 50.72(b)(3)(xiii), any event that results in a major loss of emergency assessment capability."

The licensee has notified the NRC Resident Inspector.

* * * UPDATE ON 7/03/12 AT 0113 EDT FROM GROFF TO HUFFMAN * * *

"On July 3, 2012, at 01:00, the Fermi 2 Integrated Plant Computer System (IPCS) has been returned to service. Emergency assessment capabilities have been restored to all onsite emergency response facilities. Due to equipment problems, the Cyber Security Modification was not installed and the original IPCS configuration was restored."

The licensee has notified the NRC Resident Inspector. R3DO (Daley) notified.

* * * UPDATE ON 7/03/12 AT 0556 EDT FROM GROFF TO HUFFMAN * * *

"At approximately 02:04 on July 3, the Fermi 2 Integrated Plant Computer System (IPCS) failed. The Safety Parameters Display System (SPDS) and Emergency Response Data System (ERDS) reside on the IPCS platform. IPCS had previously been removed from service on 7/2/12 for a Cyber Security Modification and restored at 0100 on 7/3/12.

"At 0354, plant personnel were able to reboot IPCS and restore the system to normal with a Prime and Backup CPUs. Emergency assessment capabilities have been restored to all onsite emergency response facilities.

"This notification is being made per the requirements of 8 Hour Non-Emergency Notification 10 CFR 50.72(b)(3)(xiii), any event that results in a major loss of emergency assessment capability."

The licensee has notified the NRC Resident Inspector. R3DO (Daley) notified.

Power Reactor	Event Number: 48066
Facility: FERMI Region: 3 State: MI Unit: [2] [] [] RX Type: [2] GE-4 NRC Notified By: MARK EGHIGIAN HQ OPS Officer: DONG HWA PARK	Notification Date: 07/03/2012 Notification Time: 13:21 [ET] Event Date: 07/03/2012 Event Time: 09:40 [EDT] Last Update Date: 07/03/2012
Emergency Class: NON EMERGENCY 10 CFR Section: 50.72(b)(2)(xi) - OFFSITE NOTIFICATION	Person (Organization): ROBERT DALEY (R3DO) MARK KING (NRR) JANE MARSHALL (IRD)

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

OFFSITE NOTIFICATION DUE TO A FATALITY

"At 0940 hours on July 3, 2012, Detroit Edison notified the Michigan Occupational Safety and Health Administration (MIOSHA) that an employee had suffered a fatality.

"On July 2, 2012, at 1504 hours, a Detroit Edison employee reported to the nurse's office with symptoms of shortness of breath and chest pain. The individual was transported offsite via ambulance to a local hospital for care. At approximately 1700 hours on July 2, 2012, notification was received that the individual had passed away.

"There was no radioactive contamination involved in this event. The licensee has not notified any other government agencies besides MIOSHA.

"This ENS report is being made in accordance with 50.72(b)(2)(xi). The NRC Resident Inspector was notified."

Power Reactor	Event Number: 48069
Facility: PERRY Region: 3 State: OH Unit: [1] [] [] RX Type: [1] GE-6 NRC Notified By: THOMAS MORSE HQ OPS Officer: DONG HWA PARK	Notification Date: 07/03/2012 Notification Time: 20:35 [ET] Event Date: 07/03/2012 Event Time: 17:38 [EDT] Last Update Date: 07/03/2012
Emergency Class: NON EMERGENCY 10 CFR Section: 50.72(b)(2)(xi) - OFFSITE NOTIFICATION	Person (Organization): ROBERT DALEY (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

INADVERTENT EMERGENCY SIREN ACTUATION

"This event is being reported in accordance with 10CFR50.72(b)(2)(xi). On July 3, 2012, at approximately 1738 hours, an inadvertent actuation of the Perry Nuclear Power Plant's (PNPP) alert notification system occurred. Seventy-five of seventy-six sirens sounded for three minutes, affecting Ashtabula, Geauga, and Lake Counties. Following the actuation, county agencies received calls from members of the public.

"PNPP's capability to notify the public in an emergency has been retained. The siren actuation was not related to any condition or event at the PNPP. An investigation is in progress to determine the cause of the inadvertent actuation. At the time of the event, the plant was in Mode 1 at 100 percent rated thermal power.

"The public was informed of the inadvertent actuation by way of the Emergency Alert System (EAS).

"The NRC Resident Inspector has been notified."

The licensee has notified State and Local agencies.

Power Reactor

Event Number: 48106

Facility: FERMI
Region: 3 State: MI
Unit: [2] [] []
RX Type: [2] GE-4
NRC Notified By: PATRICK FALLON
HQ OPS Officer: PETE SNYDER

Notification Date: 07/14/2012
Notification Time: 08:59 [ET]
Event Date: 07/14/2012
Event Time: 02:06 [EDT]
Last Update Date: 07/14/2012

Emergency Class: NON EMERGENCY
10 CFR Section:
50.72(b)(3)(xiii) - LOSS COMM/ASMT/RESPONSE

Person (Organization):
ERIC DUNCAN (R3DO)
CAT TEAM (EMAI)

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

UNEXPECTED INTEGRATED PLANT COMPUTER SYSTEM FAILURE

"At approximately 0206 EDT on July 14, 2012, the Femi 2 Integrated Plant Computer System (IPCS) failed. The Safety Parameters Display System (SPDS) and Emergency Response Data System (ERDS) reside on the IPCS platform.

"At 0525 EDT, plant personnel were able to reboot IPCS and restore the system to normal with prime and backup CPUs. Emergency assessment capabilities have been restored to all onsite emergency response facilities.

"This notification is being made per the requirements of 8 hour non-emergency notification 10 CFR 50.72(b)(3)(xiii), any event that results in a major loss of emergency assessment capability."

The licensee notified the NRC Resident Inspector.

!!!! THIS EVENT HAS BEEN RETRACTED. THIS EVENT HAS BEEN RETRACTED
!!!!

Fuel Cycle Facility	Event Number: 47956
Facility: PORTSMOUTH LEAD CASCADE 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-7003 Agreement: Y Docket: 70-7003 NRC Notified By: CHARLES SEIDEL HQ OPS Officer: JOE O'HARA	Notification Date: 05/24/2012 Notification Time: 13:14 [ET] Event Date: 05/24/2012 Event Time: 08:33 [EDT] Last Update Date: 07/18/2012
Emergency Class: NON EMERGENCY 10 CFR Section: OTHER UNSPEC REQMNT	Person (Organization): STEVEN VIAS (R2DO)

Event Text

UNAUTHORIZED INDIVIDUAL GAINED ACCESS TO FACILITY

"At 0833 on 05/24/2012, an uncleared vendor employee was piggybacked by a cleared vendor employee through a security gate into the x3012 Security Area. The uncleared employee was removed from the area. There is no known compromise of classified information.

"This incident is reportable to the Nuclear Regulatory Commission as an 8 hour

Security Event in accordance with American Centrifuge Administrative Procedure ACD2-RG-044, Nuclear Regulatory Event Reporting, Appendix B, Section K2, IMI-3#14, which states, 'Circumvention of established access control procedures into a security area (excluding Property Protection Area)."

The licensee notified NRC Region 2 (Hartland).

* * * RETRACTION AT 1100 EDT ON 07/18/12 FROM CHARLES SEIDEL TO S. SANDIN * * *

"Update: On 07-18-12 at 1017 the NRC Event has been retracted on the guidance of the Regulatory Organization for the following reason:

"It has been determined that the two previously reported DOE IMI-3 events for 2012 did not meet the requirements for an NRC reportable event and should have been entered into the written log in accordance with 10 CFR 95.57. While they did meet the criteria for an 8-hr reportable event to the DOE they did not meet the NRC requirements for reporting to the NRC Operations Office. We hereby request that both NRC Events 48084 and 47956 be retracted."

Notified R2DO (Desai).

Agreement State	Event Number: 48098
Rep Org: OHIO BUREAU OF RADIATION PROTECTION Licensee: UNIVERSITIES HOSPITAL OF CLEVELAND Region: 3 City: CLEVELAND State: OH County: License #: 02110180007 Agreement: Y Docket: NRC Notified By: KARL VON AHN HQ OPS Officer: BILL HUFFMAN	Notification Date: 07/12/2012 Notification Time: 13:10 [ET] Event Date: 07/10/2012 Event Time: 17:00 [EDT] Last Update Date: 07/12/2012
Emergency Class: NON EMERGENCY 10 CFR Section: AGREEMENT STATE	Person (Organization): ERIC DUNCAN (R3DO) FSME RESOURCES (EMAI)

Event Text

AGREEMENT STATE REPORT - UNDERDOSE DURING A YTTRIUM-90 THERASPHERE TREATMENT

The following information was provided by the Ohio Bureau of Radiation Protection via e-mail:

"A written directive was given for a patient to receive 115 mCi of Y-90 TheraSpheres microspheres.

"During the delivery of the microspheres, stasis occurred before the full quantity of the written directive delivered. The licensee did not expect to reach stasis, and will be sending the delivery system to the manufacturer after the remaining Y-90 decays to verify that there was not an equipment malfunction. The licensee calculates that the patient received 68.6 mCi, which is only 60% of the written directive (a 40% underdose). The written directive did not indicate include the phrase 'or until stasis'.

"The licensee has notified the attending physician. The licensee will be contacting the patient's physician prior to contacting the patient.

"The licensee states that there are no adverse effects to the patient. No corrective action is planned at this time.

"Event Discovered: July 11, 2012 at 11:00 am
 Event Date: July 10, 2012 at 5:00 pm

"Reporting criteria - medical event
 OAC 3701:1-58-101(a)(1)(a)
 10 CFR 35.3045(a)(1)(i) "

Ohio Event Report #2012-017

A Medical Event may indicate potential problems in a medical facility's use of radioactive materials. It does not necessarily result in harm to the patient.

Power Reactor	Event Number: 48123
Facility: FERMI Region: 3 State: MI Unit: [2] [] [] RX Type: [2] GE-4 NRC Notified By: MARK EGHIGIAN HQ OPS Officer: DONALD NORWOOD	Notification Date: 07/20/2012 Notification Time: 22:27 [ET] Event Date: 07/20/2012 Event Time: 22:30 [EDT] Last Update Date: 07/20/2012
Emergency Class: NON EMERGENCY 10 CFR Section: 50.72(b)(3)(xiii) - LOSS COMM/ASMT/RESPONSE	Person (Organization): LAURA KOZAK (R3DO)

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

ANTICIPATORY LOSS OF SPDS AND ERDS DUE TO POSSIBLE LOSS OF INTEGRATED PLANT COMPUTER SYSTEM DURING TROUBLESHOOTING

"Beginning July 20, 2012, at approximately 2230, troubleshooting of MUX A components and fiber optic cables on the Fermi 2 Integrated Plant Computer System (IPCS) will be performed. A loss of IPCS during the troubleshooting is possible.

"The Safety Parameters Display System (SPDS) and Emergency Response Data System (ERDS) reside on the IPCS platform and will be out of service if IPCS is lost. These systems would be unavailable to the Control Room and all other Emergency Response Facilities (ERFs). During this time dose assessment capability would only be available in the manual data input mode. The majority of the Control Room indications will remain available to the plant staff, and would be used for emergency response, if needed. Information would be communicated to the NRC using other available communication systems as needed. A follow-up notification will be submitted when the IPCS troubleshooting is complete.

"This notification is being made per the requirements of 8 Hour Non-Emergency Notification 10CFR50.72(b)(3)(xiii), any event that results in a major loss of emergency assessment capability."

The licensee notified the NRC Resident Inspector.

!!!! THIS EVENT HAS BEEN RETRACTED. THIS EVENT HAS BEEN RETRACTED !!!!

Power Reactor	Event Number: 48123
Facility: FERMI Region: 3 State: MI Unit: [2] [] [] RX Type: [2] GE-4 NRC Notified By: MARK EGHIGIAN HQ OPS Officer: DONALD NORWOOD	Notification Date: 07/20/2012 Notification Time: 22:27 [ET] Event Date: 07/20/2012 Event Time: 22:30 [EDT] Last Update Date: 07/24/2012
Emergency Class: NON EMERGENCY 10 CFR Section: 50.72(b)(3)(xiii) - LOSS COMM/ASMT/RESPONSE	Person (Organization): LAURA KOZAK (R3DO)

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

ANTICIPATORY LOSS OF SPDS AND ERDS DUE TO POSSIBLE LOSS OF INTEGRATED PLANT COMPUTER SYSTEM DURING TROUBLESHOOTING

"Beginning July 20, 2012, at approximately 2230, troubleshooting of MUX A components and fiber optic cables on the Fermi 2 Integrated Plant Computer System (IPCS) will be performed. A loss of IPCS during the troubleshooting is possible.

"The Safety Parameters Display System (SPDS) and Emergency Response Data System (ERDS) reside on the IPCS platform and will be out of service if IPCS is lost. These systems would be unavailable to the Control Room and all other Emergency Response Facilities (ERFs). During this time dose assessment capability would only be available in the manual data input mode. The majority of the Control Room indications will remain available to the plant staff, and would be used for emergency response, if needed. Information would be communicated to the NRC using other available communication systems as needed. A follow-up notification will be submitted when the IPCS troubleshooting is complete.

"This notification is being made per the requirements of 8 Hour Non-Emergency Notification 10CFR50.72(b)(3)(xiii), any event that results in a major loss of emergency assessment capability."

The licensee notified the NRC Resident Inspector.

* * * RETRACTION FROM BRETT JEBBIA TO VINCE KLCO ON 7/24/2012 AT 2243 EDT * * *

"Troubleshooting and repairs have been completed to the Fermi 2 Integrated Plant Computer System (IPCS) as of July 24, 2012 at 1855 [EDT]. No loss of communication ability occurred from initial notification while repairs and restoration were in progress. Event 48123 is retracted.

"[The initial anticipatory] notification was made per 10 CFR 50.72(b)(3)(xiii), any event that results in a major loss of emergency assessment capability."

The licensee notified the NRC Resident Inspector.

Notified the R3DO (Bloomer).
