



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION IV
612 EAST LAMAR BLVD, SUITE 400
ARLINGTON, TEXAS 76011-4125

August 5, 2011

David J. Bannister, Vice President
and Chief Nuclear Officer
Omaha Public Power District
Fort Calhoun Station FC-2-4
P.O. Box 550
Fort Calhoun, NE 68023-0550

Subject: MEETING SUMMARY FOR PUBLIC MEETING WITH OMAHA PUBLIC POWER
DISTRICT

Dear Mr. Bannister:

On July 27, 2011, representatives of the Omaha Public Power District (OPPD) met with NRC personnel at the Doubletree Inn, in Omaha, Nebraska, to discuss post-flooding recovery actions for Fort Calhoun Station. The list of attendees and a copy of the presentation slides are included as Enclosures 1, 2 and 3.

The purpose of the meeting was to discuss OPPD's plans and actions for identifying and assessing impacts of the long-term flooding on plant structures and equipment prior to the future restart of Fort Calhoun Station. During the meeting, OPPD representatives discussed post-flooding recovery actions they plan to take prior to restarting the plant, including plans to conduct an extensive review of plant systems, structures and components, including support systems and site structures. The details of the discussion are provided in the attached slides used by OPPD during their presentation. OPPD officials stated that they would submit a detailed plan to the NRC within two weeks of the date of the meeting.

NRC representatives discussed their intention to incorporate OPPD commitments into a Confirmatory Action Letter to confirm OPPD's commitments to complete certain actions prior to restarting Fort Calhoun Station. Following issuance of the Confirmatory Action Letter, NRC representatives discussed their plans to conduct inspections to verify completion of applicable actions in the Confirmatory Action Letter, and to conduct a public meeting to discuss the results of those inspections, prior to restart of the plant.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosures will be available electronically for public inspection in the NRC's Public Document Room or from the Publicly Available Records (PARS) component of the NRC's Agency wide Documents Access and Management System (ADAMS). ADAMS is accessible from the Public

Electronic Reading Room page of the NRC's public web site at
<http://www.nrc.gov/readingrm/adams.html>.

Sincerely,

/RA/

James F. Drake, Chief (Temporary)
Project Branch E
Division of Reactor Projects

Enclosures:

1. Meeting Attendance List
2. NRC Presentation Slides
3. OPPD Presentation Slides

cc: Distribution via ListServ

Electronic distribution by RIV:

Elmo Collins, Regional Administrator, Region IV
 Kriss Kennedy, Director, Division of Reactor Projects (DRP)
 Jeffrey Clark, Acting Deputy Director, DRP
 James Drake, Branch Chief (Temporary), Project Branch E, DRP
 John Kirkland, Senior Resident Inspector, Fort Calhoun Station
 Art Howell, DRA
 Anton Vogel, D, DRS
 Robert Caldwell, DD, DRS
 Sue Bogle (OEWEB Resource)
 John McHale (OEDO RIV Coordinator)
 OEMAIL, D/OE
 Jenny Weil, OCA
 Lynnea Wilkins, Project Manager, NRR
 Ray Azua, Senior Project Engineer, PB/FC
 John Kirkland, Senior Resident Inspector
 Jacob Wingeback, Resident Inspector
 Victor Dricks, Region IV PAO
 Lara Uselding, Region IV PAO
 Bill Maier, Region IV RSLO
 Karla Fuller, Region IV RC
 Nick Taylor, Region IV ACES
 Ray Kellar, Region IV ACES
 Lisa Quayle, Region IV RA Administrative Assistant
 Anita Tannenbaum, Region IV DRA Administrative Assistant
 Dawn Yancey, Region IV DRP Administrative Assistant
 Dana Lackey, Region IV DRP Administrative Assistant
 Verlyn Jenkins, Region IV DRP Administrative Assistant
 Vivian Mehrhoff, Region IV DRS Administrative Assistant
 Tracy Karl, Region IV DRS Administrative Assistant
 Deborah Harrison, Region IV DRS Administrative Assistant
 Berni Madison, FC Resident Administrative Assistant
 Earnestine Clay, BC, DRMA
 Harold McKelvey, IRMB
 Phil Longdo, Receptionist
 Ann Mattila, Support Services Specialist

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Publicly Avail	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Sensitive	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Sens. Type Initials	JFM1
RIV/PE:DRP	PAO	RSLO	D:DRP	C:DRP/E	
JFMelfi	VLDricks	WAMaier	KMKennedy	JFDrake	
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08/04/2011	08/04/2011	08/04/2011	08/05/2011	08/05/2011	

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**UNITED STATES
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REGION IV

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ARLINGTON, TEXAS 76011-4125

ANNUAL MEETING ATTENDANCE

LICENSEE/FACILITY Omaha Public Power District, Fort Calhoun
 DOCKET 50-285
 DATE/TIME July 27, 2011 9:00 am to 12:00 pm
 Doubletree Inn
 LOCATION 1616 Dodge Street
 Omaha, NE 68102

	<u>Name (Please Print)</u>	<u>ORGANIZATION</u>	<u>Title</u>
1	MIKE SMITH	OPPD	Operations MGR
2	HARRY FAULHABER	OPPD	Division Manager
3	RANDY HEDGECOCK	OPPD	R/P Manager
4	GREG REIS	OPPD	CONSTR Manager
5	KETIA NASER	OPPD	MGR Syst Engr.
6	Kenneth S. Dowdy	IBEW 1483	Executive Board Mbr.
7	MARK FRANS	OPPD	MGR-ENG. PROGRAMS
8	JEFF REINHART	OPPD	Sr VP
9	TIM NELLENBACH	OPPD	PM
10	DAVE BENNISTER	OPPD	CNU-VP Nuclear
11	ELMO COLLINS	NRC	R.A.
12	JEFF CLARK	NRC	DRP D.D.(acting)
13	JACOB WINGBACH	NRC	FCS RI
14	JOHN KIRKLAND	NRC	FCS SRI
15	STEVE GERBERS	OPPD	MGR EP & HFD
16	SUSAN BAUGHAN	OPPD	MGR-NUC. LICENSING
17	WOODY GOODSELL	OPPD	DM-NPIS
18	GIM DRAKE	NRC	acting B/C E
19	JOHNNY CUMMINGS	OPPD	SUPV. SECURITY OPS
20	JEFF HANSON	OPPD	MGR-Public Information

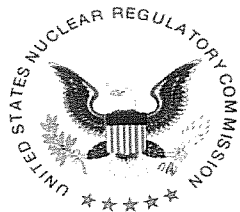


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	<u>Name (Please Print)</u>	<u>ORGANIZATION</u>	<u>Title</u>
1	Paula Lukawski	OPPD	Comm. Specialist.
2	MARK RELIES	'' ''	EM. Resp Rep
3	Peter DeAngelis	OPPD	EP
4	Allan Beck	OPPD	Supervisor - EP
5	Howard Shuman	State of NE DHS	Health Physicist.
6	Lisa Olson	OPPD	Division Manager
7	Pat Perkhiser	Public	
8	WES PERKHISER	OPPD	L. V
9	Deane Kurland	public	
10	John Herman	OPP	Div. Mgr - Nuclear Engineering
11	Jon Schwarz	NEMA	TECH. HAZ SEC Spv.
12	BAYAN COOK	STATE OF NE	TECH HAZ.
13	William Maier	NRC Region 4	Regional State Liaison Office
14	Laurel Ryan	FSMA Region 7	FCIS Site Specialist.
15	Kate Schubert	KIOS-FM	NEWS DIRECTOR
16	Josh Funk	Associated Press	reports
17	SUSAN Verschuer	-	Public
18	Wally Taylor	Sierra Club Iowa Chapter	Legal Chair
19	Pam Mackey Taylor	Sierra Club Iowa Chapter	Energy Chair
20	Stacy Perkhiser	OPPD	CFO



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	<u>Name (Please Print)</u>	<u>ORGANIZATION</u>	<u>Title</u>
1	Neila Seaman	Iowa Sierra Club	Director
2	GARY GATES	OPPD	PRES / CEO
3	JOHN THOMPSON	OPPD	Director
4	Nancy Gaarder	OWIT	Reporter
5	Mike Stedtschly	NE Power Remv Bd	Chairman
6	Larry Cieslik	HDR	Sr Proj Mgr
7	DAVID ROHAN	HDR	PM
8	Michael Helgeson	—	Citizen
9	Zach Nelson	Sen. Nelson	Field Representative
10	Mike & Linda RYAN		Public
11	John Remus	Corps of Eng	
12	Kathy Stodola	Iowa Homeland Security	operations officer
13	Stephanie Ludwig	Blair Enterprise	Reporter
14	DEAN MATHUSEN	CONG LEE TERRY	
15	Christine Niemann		Public
16	Bill Jase	KEAB	news reporter
17	Carl Cuper	KPTM	News reporter
18	MIKE TRIM	WOUT	NEWS
19	the Melton	WINT	NEWS
20	Darrell Potany	Sen. Nelson's	Services Rep


PUBLIC MEETING ATTENDANCE

LICENSEE/FACILITY Omaha Public Power District/Fort Calhoun Station

DATE/TIME July 27, 2011, 9:00 am

MEETING LOCATION Doubletree Inn
1616 Dodge Street
Omaha, Nebraska

NAME (PLEASE PRINT)	ORGANIZATION	TITLE
John Pollack		Public
Todd Andrews	KETV-TV	
JP Cuervo	11	
Bill Zook	Region 5/6 EMA	Director
Jody Carrero		
Sonya Rhine	Public	-
Joe Jordan	NEBRASKA Watchdog	MANAGING Editor
Jan Bostelman	NPE Consultants	Principal
RON MCCABE	FEMA R-7	RAC CHAIR
Norm Valentine	FEMA R-7	Sr. Specialist
LARRY OLIVER	HC EMA	EMA Coordinator
Anthony Mark	KMTV 3	Camera
Paul Guetterer	KMTV 3	News Reporter



U.S. NRC
United States Nuclear Regulatory Commission
Protecting People and the Environment

Fort Calhoun Station Public Meeting

Post-flooding recovery actions

**Nuclear Regulatory Commission – Region IV
July 27, 2011**

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Agenda

- Opening and Introductions
- Purpose and Objectives
- NRC Focus & Actions
- OPPD Presentation
- Discussion
- NRC Closing Remarks
- NRC available to address public questions


3 *Protecting People and the Environment*



NRC Personnel

- Elmo Collins, Regional Administrator, Region IV
- Kriss Kennedy, Director, Division of Reactor Projects (DRP)
- Jeffrey Clark, Acting Deputy Director, DRP
- John Kirkland, Senior Resident Inspector, Fort Calhoun Station

2 *Protecting People and the Environment*



Meeting Purpose

- Communicate NRC and OPPD actions in response to flooding at Fort Calhoun Station (FCS)
- Discuss NRC and OPPD actions prior to restart of FCS
- Discuss plans to formalize OPPD commitments in a Confirmatory Action Letter

4 *Protecting People and the Environment*



Meeting Objectives

- External stakeholder understanding of NRC and OPPD to flooding at FCS
- Shared understanding of:
 - Planned NRC and OPPD actions needed prior to restart of FCS
 - Actions OPPD commits to complete prior to restart of FCS
 - NRC's intent to document OPPD commitments in a Confirmatory Action Letter

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Protecting People and the Environment



OPPD Presentation

David Bannister
Vice President / Chief Nuclear Officer
Omaha Public Power District

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Protecting People and the Environment



NRC Focus & Actions

- NRC actions during flooding
- NRC focus and actions for follow up to flooding and plant restart
 - Focus areas
 - Commitments
 - Inspections
 - Follow up

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Protecting People and the Environment



NRC Closing Remarks

- Remarks by NRC Representatives

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Protecting People and the Environment



Open to the Public

- The NRC places a high priority on keeping the public and stakeholders informed of its activities
- At www.nrc.gov, you can:
 - Find public meeting dates and transcripts;
 - Read NRC testimony, speeches, press releases, and policy decisions;
 - Access the agency's Electronic Reading Room to find NRC publications and documents; and
 - Subscribe to LISTSERVE to automatically receive correspondence from the NRC.

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Protecting People and the Environment



Questions?

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Protecting People and the Environment



Contacting the NRC

- Report an emergency
 - (301) 816-5100 (call collect)
- Report a safety concern
 - (800) 695-7403
 - Allegation@nrc.gov
- General information or questions
 - www.nrc.gov
 - Select “What We Do” for Public Affairs

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Protecting People and the Environment

Fort Calhoun Station NRC Public Meeting July 27, 2011

Dave Bannister
Vice President – Nuclear



Current Conditions

- Reactor has been shutdown since April 9, 2011
 - All normal electrical power sources are available
 - All normal cooling systems are available
 - All normal makeup water sources are available
 - All emergency backup systems are available
 - Contingency backup systems have been added



Agenda

- Current Conditions
- Flooding Actions Levels
- On-Going Flood Response
- Post-Flooding Recovery Actions
- Commitment to Safety



Flooding Action Levels

- 1014 ft – Design Basis Flood Level
(Maximum rainfall + snow melt + dam failure)
- 1009 ft – Technical Specification Shutdown Level
- 1004 ft – Abnormal Operations Procedure Shutdown Level
(Approximate ground level of plant site)



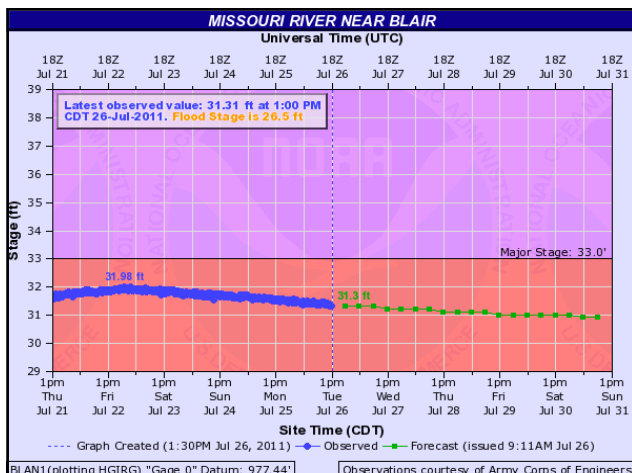
Flooding Action Levels

- Emergency Response Procedure
 - 1004 ft – Entry conditions for NOUE (June 6, 2011)
 - 1009 ft – Escalation conditions for ALERT
 - <1004 ft – Exit conditions for NOUE
- 1006 Ft Current River Level
- Level Predictions depend on weather and dam releases



On-Going Flood Response

- #1 Priority – Nuclear Safety**
- #2 Priority – Protect Corporate Assets**
 - Incident Command Structure
 - Incident Commander and Logistics Coordinator assist the Operations Shift Manager
 - Primary Responsibility is to monitor flooding conditions, mitigate water intrusion and assist with special staffing and supply needs related to the flooding conditions
 - Additional staff added to monitor pumping stations and erect elevated walkways



On-Going Flood Response


- Flood Control Barriers:
 - Metal flood gates protect equipment necessary for nuclear safety
 - Earthen berm around the switchyard allows full use of off-site electrical power sources
 - Aqua-Dams keep water away from buildings and allow continued use of plant facilities
 - Hesco barriers allow continued use of normal access points to the plant protected area





On-Going Flood Response

- Additional Contingency Actions
 - Backup portable diesel generator
 - Additional diesel fuel oil storage tankers
 - Additional fire truck on site
 - Additional makeup water storage
 - Pumping stations to remove barrier seepage
 - Additional parking lot for support staff
 - Elevated walkways, bridges and boats



On-Going Flood Response

- Support from Local and Extended Community
 - Fire Departments (Blair, Fort Calhoun, Bennington)
 - Blair Public Schools (temporary parking facility)
 - Construction and Engineering Companies
 - Construction Supply Companies
 - Staff augmentation
 - Alternate working locations
 - Municipal, State and Federal Agencies
 - Elected Officials (Board, Senator, Congressmen)
 - INPO and Nuclear Utilities
 - OPPD Employees



Post-Flooding Recovery Actions

- Extensive review of all plant systems, structures and components, including support systems and site structures, to assess the impact of the flood
- Lessons learned from flood recovery efforts outside the nuclear industry



Post-Flooding Recovery Actions

- OPPD is prepared to respond with cleanup and site restoration followed by plant restart
- The duration of the flooding is unprecedented in the nuclear industry and requires careful consideration and diligence prior to plant restart



Post-Flooding Recovery Actions


- Regardless of river level, the plant will not be restarted until OPPD is certain that it is safe
- OPPD will make formal commitments to the NRC regarding post-flooding recovery actions to ensure continued safe operation at FCS
- Commitments will be met prior to changing plant conditions
- OPPD will not start-up FCS without concurrence from the NRC that all restart commitments have been satisfied



Post-Flooding Recovery Actions

OPPD is developing detailed action plans

- **Site Restoration Plan**
 - Including removal of flood barriers, site cleanup and flood impact assessments
- **Refueling Outage Completion Plan**
 - Including restart of the reactor and generation of electricity
- **Regulatory Response Plan**
 - Including coordination of the NRC confirmatory action letter response



Site Restoration Plan

Key Elements:

2. Remove temporary flood barriers and equipment
 - Aqua-Dam, Hesco barriers, sandbags
 - Scaffold walkways and bridges
 - Portable pumps and fuel containers
 - Portable tanks and generators
 - Miscellaneous equipment and supplies
3. Cleanup debris deposited by flood waters
4. Perform site surveys following site cleanup
5. Restore electrical bus 1B4A



Site Restoration Plan

Key Elements:

1. Assess flooding impact and overall condition of:
 - Plant systems, structure and components, including the Fire Protection System
 - Support systems, including the switchyard and communication systems
 - Site structures, including used fuel storage
 - Underground cables
 - Underground piping systems
 - Security systems, structures and equipment
 - Emergency response systems, structures and equipment

Note: Any discrepancies will be documented in the condition reporting system to ensure timely resolution



Site Restoration Plan

Key Elements:

6. Assess Engineering Programs to determine any necessary flood-related changes
7. Assess the impact on warehouse supply inventory
8. Assess any remaining modifications that may need to be incorporated into the site configuration control program



Refueling Outage Completion Plan

Key Elements:

1. Evaluate the need to add additional activities to the RFO scope based on assessments performed under the Site Restoration Plan
2. Complete all planned RFO maintenance
3. Complete all planned RFO STs and PMs
4. Complete a verification of all system lineups
5. Verify completion of Confirmatory Action Letter (CAL) commitments
6. Start-up plant and generate electricity



Commitment to Safety

- OPPD is committed to ensuring that public health and safety remains the #1 priority
- OPPD will provide detailed post-flooding action plans to the NRC for their review
- OPPD will aggressively implement the post-flooding action plans as river conditions improve in accordance with CAL commitments



Regulatory Response Plan

Key Elements:

1. Submit detailed post-flooding action plans
2. Conduct periodic conference calls with NRC to communicate action plan status
3. Respond to the NRC CAL
4. Coordinate NRC inspection activities
5. Resolve long-term CAL commitments that extend beyond plant startup
6. Provide detailed lessons learned report



Commitment to Safety

- An independent oversight panel will review flood impact assessments
- Regardless of river level, the plant will not be restarted until OPPD is certain that it is safe



