Alexander, Ryan

From: Farnholtz, Thomas REG IV
Sent: Sunday, July 10, 2011 9:33 AM
To: Kennedy, Kriss; Clark, Jeff; Vegel, Anton; Caldwell, Robert; Howell, Linda; Alexander, Ryan
Cc: Kirkland, John
Subject: FW: 7-10-11 Nights.docx
Attachments: 7-10-11 Nights.docx

Good Morning –

The latest Incident Commander's Report for Fort Calhoun. The river level appears to have dropped slightly from yesterday. I believe that 1006' 0" is a good estimate. The area inside the AquaDam is being pump out and is mostly empty with the exception of the north east corner. They are commencing cleanup of the concrete area in front of the service building today. We will continue to monitor this situation.

Yesterday (Saturday) I drove up to Blair and across the river to Iowa on Highway 30 to assess the condition of that evacuation route. The two lane road is open in both directions and the road surface is dry with no restrictions. They have installed a rock filled barrier on both sides of the road on the shoulder. I would estimate that this barrier is three to four feet high. It extends a mile to a mile and a half along the lowest portion of the road. If the river level doesn't rise significantly, I would say that this arrangement will be effective. There were quite a few folks stopped to take in the view of the new Great Lake that used to be a river.

Have a good Sunday.

Tom.

From: TILLS, JAMES W [mailto:jtills@oppd.com]
Sent: Sunday, July 10, 2011 4:35 AM
To: FCS Flood Incident Commander Reports; R4 IRC; Farnholtz, Thomas
Subject: 7-10-11 Nights.docx

All,

Attached is Incident Commander report.

Thanks,

Jim Tills

B/8

2011 FLOODING INCIDENT COMMANDER'S REPORT

DATE: 7-10-2011	TIME: 0500	IC: Jim Tills	SHIFT: Night Shift

EMERGENCY PLAN CLASSIFICATION

Notification of Unusual Event (NOUE): Declared 6/6/11 0800; HU-1, EAL-5

SAFETY STATUS and ISSUES

Nuclear Safety:

SOPP Shutdown Condition: 1	ORAM Color: Green but elevated risk due to Station flooding	Time to Boil - Cavity: 40 hours Time to Boil - SFP: 80 hours

Industrial Safety:

1) Stay clear of energized, submerged 13.8 kV transformers inside PA
2) The two person rule is in effect for working or traversing in high flood waters.
3) Contact Mike Godfrey and Brian Kramer for all non-routine dayshift switchyard entries.
4) Maintenance Shop cross path secured with red tape due to column sinking. Requires bypassing through the Machine Shop. Safety Glasses required for passage. Safety glasses staged at both doors to the Machine Shop.
5) Do not park in or block reserved parking locations in the parking lot. Also, only on shift staff and personnel directly supporting the flooding efforts/priorities are to park in the new parking lot at the top of the hill. All others are to park at Blair High School and use the shuttle bus.
6) PA Clean-up Spray Team members: Long sleeve shirts and goggles required per IS Coordinator. Normal PPE for all other workers.

Radiological Safety: The portal radiation monitor at the south security exit point has been restored to service. Please ensure you stop and pause in the monitor on your way out of the Protected Area.

PLANT STATUS

345 kV Status: Available	161 kV Status: Available
DG1 Status: Available	DG2 Status: Available
Significant Bus / MCC Outages: Buses 1B4A	
Containment Closure Status: Still set for heavy loads	Containment Temp: 80 °F
Reactor/Cavity Water Level: 1036' 7.5"	River Level: 1006' (AOP-01)

Significant Equipment Unavailable: AC-3B, VA-64B, Switchgear Room A/C VA-89/90

SIGNIFICANT PROTECTED EQUIPMENT

Areas and Equipment protected for Spent Fuel Pool, Shutdown Cooling, and Containment Closure:

- Room 5 – Spent Fuel Pool Cooling components
- Room 13 & 14 – Shutdown Cooling Components
- Room 15A - Shutdown Cooling Components
- Room 18 – Raw Water/CCW Heat exchanger AC-1D
- Room 69 – Component Cooling Water Pump AC-3C
- East & West Switchgear Room – Bus 1A3
- DG-1 Room 63 – Emergency Generator DG-1
- Intake Structure – Raw Water Pump AC-10D, "E" gate/screen, AC-12B RW Strainer, FP-1B, Diesel Fire Pump, CW-16B
- VA-3A, Containment Filtering Unit
- Room 21 - Shutdown Cooling
- Corridor 26 by Boric Acid Tanks – Boric Acid and Makeup Flow paths (includes MCCs)
- Corridor 4 - Boric Acid and Makeup Flow paths (includes MCCs)
- Containment - Boric Acid and Makeup Flow paths
- Upper Electrical Penetration Room - Boric Acid and Makeup Flow paths (includes MCCs)
- Switchyard 345 KV Breakers 5 and 6
- Transformers T1A-1 and T1A-2

SIGNIFICANT WORK COMPLETED THIS SHIFT

- Completed pumping down the Railroad siding. Additional pumping will be needed until PA pumping is completed.
- Continued pumping down the Protected Area to lower level below the River.
- Continued filling Aqua Dams.
- Completed a draft cleanup plan. Turned over to Day shift Maintenance Coordinator.
- Continued continuous fill of Admin. Building Aqua Dam Section 7. Matching input to leakage to maintain ~ 1 foot above water line. Will replace Section 7 on Day Shift today.

WORK PRIORITIES FOR NEXT SHIFT (IC: Scott Pallas x7478)

- Continue pump down of the protected area. (CM)
  - Smaller pumps will be required to continue the dewatering effort; the Pump Team has been notified.
  - Security support is needed to remove the extra Aqua-dam via Gate 6; notified SSS.
  - During dewatering, monitor the floating pump stand between the Maintenance Shop and Warehouse.
- Continue pump down of the railroad siding. (CY/RP)
- Continue fill of the Aqua Dams. (CM)
- Finalize written plan for clean-up of PA after dewatering is complete. (IC/Maint. Coordinator)
  - Order equipment/supplies for clean-up. (Incorrect water brooms have been received).
  - Include controls for protection of Aqua Dam during clean-up and going forward.
  - Goal is to have Day shift IC approve the plan.
  - Provide a copy to the NRC when complete (via Susan Baughn).
- Replace leaking ADM Bldg Aqua Dam Sec 7. (CM)
- Monitor water intrusion inside the security building. May need to stage add'l equipment. (NPS)
- Complete the Fire Barrier Inspection on Bus 1B4B, 1B3B-4B and MCC-4A1. (EM/QC) (May wait until Monday).

NEAR TERM STATION PRIORITIES

TASK	LEAD WORK GROUP	EXPECTED COMPLETION DATE	COMMENTS
Replace leaking ADM Bldg. Aqua Dam Sec 7	CM	July 10	After PA Aqua Dam installed
Develop written plan for clean-up of PA after dewatering including controls for protection of Aqua Dam	Maint. Coordinator	July 10	Revised 7/10 and sent to Day shift Maint Coor / IC for review.
Dewater after installation of new PA Aqua Dam	Maint.	July 9-10	In progress.
Develop punch list of work to complete in PA after clean-up is complete	IC/Maint. Coordinator	July 10	Drafted
Thermography and loading of energized Buses 1B4B & 1B3B-4B	EM/QC/Ops.	July 11	Buses energized on 7/9 and available.
Jim Shores needs EM support for pulling new phone cable into the Security Building	Comm/EM	July 11	WR 166809
Finalize plan/schedule for remaining Bus 1B4A RCA extent of condition inspections	Eng./Steve Clayton	Required NLT July 11	WO#. Sr. Mgmt. high priority
Reseal North Cable Tray Chase in Security Building	Eng/Bill Phillips/Maint	July 14	WR 166763 Need 60 Sand bags filled and Furmanite material. Prereq work to start on July 11
Install water proof enclosure boxes around 13.8 kV transformers in PA	Maint.	July 15	WO#. After PA Aqua Dam is installed and dewatering complete
Install Temp. Mod. for MCC 4A2	EM	July 19	EC#. Parts hold. Breaker scheduled arrival is 7/15
VA-89/90: Remove, restore and elevate	SFM	July 22	EC 53400 being processed by DEN for the elevated stands.
Transition Plan for Aqua Dam monitoring and filling.	TBD	July 21	Transition aqua dam monitoring and filling operators to support personnel.

FLOOD BARRIERS STILL PENDING

Flood barriers installed per PE-RR-AE-1001, with the following deviations:
AE-22- 1007-1 door to Radwaste Building (power door) is removed. NOTE: NO POWER from MCC-4A2.
AE-23- 1007-9 door from RCA to Chemistry is removed.
AE-24- 1007-19 door – normal RP access point is removed.
AE-25- 1011-1 door from Turbine Mezzanine to Coordinator 52 is removed.
AE-28-1011-4 south door switchgear room for emergency switchgear exit
AE-21- Intake structure "trash rack" outlet is removed for cell cleaning work.
SD-127, 128 – Maintenance Shop drains to Lift Station #1 - open
VD-681, 682 – Switchgear Room HVAC drains to TB Sump - open
Other 1007' barriers can be removed to allow work access with authorization from SM. All 1007' barriers will be re-installed when river level reaches 1006' 9" and rising, or when directed by the SM.

ACTIVE HITS

- Level A CR 2011-5414: Loss of 1B4A – Owner: Steve Clayton. RCA in progress.
- Intake Screen sanding in issues – HIT formed under CR 2011-5750 – Ken Erdman lead.

NOTES: (Topics to Discuss, Actions to Complete, Kudos to Share)

- Continue alternate switchgear room portable A/C cooling.
  - Operating units include: One 5-ton air-cooled, five one-ton air-cooled, two 5-ton water-cooled and one 2-ton water-cooled.
  - Ready spares include: One 5-ton air-cooled (staged in room), one 5-ton and two 1-ton air-cooled units in Maint Shop.
  - Temperature monitor is now located on the side of the panel as you enter the upper room towards the shutdown panels
  - Need to monitor and empty condensation water from all air-cooled A/C units. (Maint/SFM)
- Steve Gebers has the lead to transition from Coops to Bartlett personnel for Pump/Berm Watch Team members.
- Maintenance on failed pumps/generators appears to be due to sand or dirt in the gas. Be cautious that gas cans do not become contaminated with dirt and sand.
- Spare B.5.b Fire Truck from Fort Calhoun Volunteer Fire Dept located onsite. Supply hose in rack along walkway to King Tut blocks.
- Bottled water is stored in a sealand container at the top of the hill. Bring into PA as needed.
- Shift Manager and IC will continue to monitor river levels and utilize AOP-1, EPIP-TSC-2 and PE-RR-AE-1001 as the principle governing documents. NOTE: New Revision to EPIP-TSC-2 issued on 7-01-11 for alternate filling of D/G fuel oil.
- If communications or ERDS is lost in the Control Room or TSC; Incident Commander is to call NRC Senior Resident Inspector and the NRC operations center (per AOP).
- Use controls in place for boat safety – Need supervisor brief before getting boat keys from Incident Commander.
- Spare gas generators are staged on the Turbine Deck. Spare gas pumps are in the Maintenance Shop.