

From: Kirkland, John *Req. It*
To: Clark, Jeff; Azua, Ray
Cc: Smith, Chris; Melfi, Jim
Subject: FW: River Level
Date: Tuesday, May 31, 2011 10:49:22 AM

From: GUINN, DONNA K [mailto:dguinn@oppd.com]
Sent: Tuesday, May 31, 2011 10:42 AM
To: Kirkland, John; Wingebach, Jacob
Cc: ACKER, RICHARD D; MATZKE, ERICK P; COOPER, MIKE
Subject: FW: River Level

FYI

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From: NELLENBACH, TIMOTHY R
Sent: Monday, May 30, 2011 1:41 PM
To: NuclearBusinessUnit
Cc: REINHART, JEFFREY A; BANNISTER, DAVID J; GATES, GARY; HANSEN, JON T; DOGHMAN, MOHAMAD I; MINKS, ADRIAN J; BURKE, TIMOTHY J; EASTERLIN, EDWARD E
Subject: FW: River Level

Hello,

As you all know we are experiencing some of the highest river levels in the station's history. The current level is 1001 feet 11 inches. It is impossible to predict how high the river will get because we don't know how much rain will fall; however, we do know that the Army Corps of Engineers is planning to increase outflows from Gavins Point dam to unprecedented levels over the next several weeks. **We are preparing for the worst case, and we will be ready to handle it.**

We are currently implementing the following station procedures to deal with the high river level:

- AOP-01, Acts of Nature, Section 1 for Flooding
- PE-RR-AE-1001, Flood Barrier and Sandbag Staging and Installation

We have also been reviewing our emergency plan procedures (EPIP-TSC-2, Catastrophic Flood Protection) in the event that they are needed to help mitigate the effects of the high river level.

Items that we have either completed or started up to this point are:

- Staged equipment at our sandpile to fill sandbags.
- Filled more than 8,000 sandbags.
- Sandbagged the necessary items in the Intake Structure and stored additional sandbags there in the event they are needed.
- Staged sandbags in the Auxiliary Building.
- Staged sandbags near the Main Station transformer, T1, for use to protect the Turbine Building and other assets in the Protected Area.
- Staged our metal flood barriers.

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- Sandbagged the Security Building doors.
- Commenced sandbagging in the Switchyard.
- Had additional sand delivered to the site.
- Making preparations to build a berm around our new demineralized water equipment near the Old Warehouse

I sincerely appreciate the efforts by all station personnel in getting the above activities accomplished. We still have a lot of work to do, and we will all need to pitch in during the next several weeks.

Going forward please do the following:

- The available parking has been reduced. Please be patient and do not park in standing water. Use the available dry spaces. If we run out of spaces additional parking and/or shuttle service will be provided to get the necessary people to work.
- Work with your supervision to make yourself available for sandbagging or other mitigation efforts.
- **Do not despair. We will continue to be successful in protecting FCS so that we can return to power operation.**

From a Nuclear Safety Culture perspective the below principles come to mind as they relate to our current situation.

Principle 1: Everyone is personally responsible for nuclear safety. (People and their professional capabilities, values, and experiences are regarded as the nuclear organization's most valuable assets. **We will continue to successfully mitigate the effects of the high water because we have great people that can get the job done. We also have solid station procedures and the full backing of OPPD to get any necessary resources.**

Principle 4: Conservative Decision Making (Decision making practices reflect the ability to distinguish between "allowable" choices and "prudent" choices.) **We will not startup the reactor until we know and understand the trends on river level.**

Principle 5: Nuclear Power is special and unique (Produces decay heat.) **Our nuclear fuel is in a safe condition and will remain in a safe condition regardless of how high the river level gets.** Our fuel is currently covered by more than 23 feet of water in both the Spent Fuel Pool and the Reactor Vessel. Our safety systems are fully able to remove decay heat and will continue to do so.

If you have questions or concerns, don't hesitate to contact your supervisor or manager.

Thank you.

Tim Nellenbach
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