

Craver, Patti

From: Kirkland, John *JKL*  
Sent: Thursday, June 09, 2011 9:28 AM  
To: Wingebach, Jacob; Clark, Jeff; Azua, Ray; Howell, Linda; Smith, Chris; Melfi, Jim; Sifre, Wayne  
Cc: Uselding, Lara; Wilkins, Lynnea; Farnholtz, Thomas; George, Gerond; Hagar, Bob; Steely, Chris; Vasquez, Michael; Williams, Megan; Willoughby, Leonard  
Subject: RE: FCS Status - 6/9/11

The licensee is currently in a NOUE (HU1, EAL5) for natural phenomena affecting the protected area, specifically high river level. They entered the NOUE on June 6, 2011 at 0800 CDT.

Current river level is 1004 ft, 1 in.

Flow rate release schedule for Gavins Point Dam (6/9/11), 140,000 cfs

Current flow rate seen at the Blair, NE gage is 135,000 cfs which is down quite a bit from yesterday (160,000 cfs). The Corps estimate of maximum flood level at the site is 1006.5 feet, occurring on approximately June 17, 2011. (We should have updated info from the Corps after our 2:00 pm call.)

Water is over the banks everywhere except for the area around the Condensate Storage Tanks.

The Hesco barriers around the security building currently show manageable seepage, mainly in the areas where the barriers were not placed on concrete.

OPPD has completed actions to protect vital structures to 1007 feet, with the exception of flood gates on doors in the aux building and south intake structure door. This is for personnel access issues. The flood gates are staged for installation. Additionally, the majority of the switchyard is protected by an earthen berm to a level of approximately 1011 feet. An earthen berm was constructed around the 161 kV building to minimize water leakage under the sandbag berms. The only structure not protected by an earthen berm is the T4 transformer. (The T4 transformer is an auto transformer between onsite 161 and 345 kV. If it would be lost, there would still be independent offsite 161 and 345 kV offsite loads.

As additional protection, the site is **installed** an aquadam (trademark name) around the entire power block, with the exception of the intake structure. This is designed to protect to a level of approximately 1010 feet. **Most leakage past the aquaberm into the PA is from conduits, storm drains, etc. It all currently is manageable.**

All primary evacuation routes are open. However, the following excerpt from the Omaha World Herald. **"Interstate 29 north of Council Bluffs will be closed by the weekend because of rising floodwaters. The closing will be from Milepost 55 (25th Street at the north edge of Council Bluffs) to the I-29/I-680 interchange near Loveland. The portion of I-680 in Iowa and west of I-29 also will be closed. The timing of the closings had not been determined, but they were expected to occur no later than Friday night. A detour is being established that will start at the I-29/I-680 interchange near Loveland, continue east to the I-80/I-680 interchange and then southwest on I-80 to Council Bluffs. All through traffic between Iowa and Nebraska should use I-80. Go to [www.iowadot.gov](http://www.iowadot.gov) and click on the "Flooding Ahead" sign to find a map of the detour route. The Interstate 680 entrance ramps are already closed at Exit 1 in Pottawattamie County, though the Interstate remained open Wednesday."** I believe that impacts primary evacuation routes to the south. The resident's are currently verifying.

ISFSI is built at a level of 1009 feet. No additional protection measures have been taken at this time.

Photos are available at s:\DRP\FCS Flooding

Good Links:

[Missouri River Mainstem Reservoir Bulletin](#)

[Inundation Maps](#)

[Gavins Point Project Order \(Daily\)](#)

[Missouri River Basin Current Conditions](#)

[NOAA Blair](#)