Mitman, Jeffrey

From: Wong, See-Meng
Sent: Wednesday, November 17, 2010 11:15 AM
To: Mitman, Jeffrey
Subject: RE: draft letter to FERC

OK, thanks.

From: Mitman, Jeffrey
Sent: Wednesday, November 17, 2010 11:13 AM
To: Wong, See-Meng
Subject: FW: draft letter to FERC

See-Meng, I don't believe you received this email. I have not reviewed it yet, but will try to get to it shortly.

Jeff

From: Wilson, George
Sent: Wednesday, November 17, 2010 7:09 AM
To: Mitman, Jeffrey; Coleman, Neil; Wescott, Rex; Stang, John; Persinko, Andrew; Scott, Catherine; Khanna, Meena; Sexton, Kimberly; Simon, Marcia
Cc: Hiland, Patrick; Cunningham, Mark
Subject: draft letter to FERC

Please look at the draft letter and provide comments

George Wilson
USNRC
Acting Deputy Director, Division of Engineering
Mail Stop O12H2
301-415-1711

B-133

Mitman, Jeffrey

From: Wilson, George
Sent: Wednesday, November 17, 2010 7:09 AM
To: Mitman, Jeffrey; Coleman, Neil; Wescott, Rex; Stang, John; Persinko, Andrew; Scott, Catherine; Khanna, Meena; Sexton, Kimberly; Simon, Marcia
Cc: Hiland, Patrick; Cunningham, Mark
Subject: draft letter to FERC
Attachments: FERC Letter - ONS temporary walls word doc.docx

Follow Up Flag: Follow Up
Flag Status: Completed

Please look at the draft letter and provide comments

George Wilson
USNRC
Acting Deputy Director, Division of Engineering
Mail Stop O12H2
301-415-1711

OFFICIAL USE ONLY/SECURITY-RELATED INFORMATION

Mr. Daniel J. Mahoney, Director
Division of Dam Safety and Inspections
Federal Energy Regulatory Commission
Office of Energy Projects

SUBJECT: Oconee Intake Dike - External Flood Diversion Barrier

Dear Mr. Mahoney:

By letter dated, September 13, 2010, the Federal Energy Regulatory Commission (FERC) requested that the U.S. Nuclear Regulatory Commission (NRC), confirm that the temporary structure on the Oconee Intake Dike, is a beneficial or prudent feature of the Oconee Nuclear Station (ONS) Safe Shutdown Facility (SSF) protection project that adds to the interim flood protection of the SSF.

Duke provided the NRC staff with 2D modeling runs of the flooding inundation study utilizing the existing temporary intake dike wall. Those model runs showed that there would be a reduction in the water level from approximately 19 ft. to 5.5 ft. at the SSF on the ONS site. It is noted that the SSF is currently protected by a 7.5 ft. wall; therefore the current wall provides protection for the SSF, in the above scenario. The SSF provides equipment for additional accident mitigation at the site. The present intake dike wall structure is not designed to be water tight and does not meet FERC's design criteria. There is no positive upstream cutoff water barrier and uplift was not analyzed in the stability analysis. Based on this information, there is not an absolute assurance that the intake dike wall structure will perform in a manner that the analysis predicts; however there is a good likelihood that the intake dike wall act as a flood diversion barrier as depicted in the 2D modeling run. The NRC staff agrees that if the intake dike wall performs the function of a flood diversion barrier then it is beneficial for an interim flood protection measure at the ONS.

If you have any questions, please contact me at (301)415-1711.

Sincerely,

George Wilson, Dam Safety Officer
Division of Engineering
Office of Nuclear Reactor Regulation
US NRC

cc: Charles Wagner, FERC