Sengupta, Abhijit

From:

Thomas, George

Sent:

Saturday, January 23, 2010 4:02 PM

To:

Farzam, Farhad

Cc: Subject: Lake, Louis; Khanna, Meena FW: Design Basis Calculations

Attachments:

0102-0135-02 concrete strength and elastic modulus r0 final.pdf; 0102-0135-03_r0_final.pdf; 0102-0135-04 FE Model Description signed.pdf; 0102-0135-05 Conduit Local Stress Analysis

signed (2).pdf; 0102-0135-07 concrete moment capacity load r0 (2).pdf; 0102-0135-08

seismic wind tornado r0.pdf

Farhad.

Attached are 6 additional calcs that PE has provided for NRC review.

Thanks. George

From: Dyksterhouse, Don [mailto:don.dyksterhouse@pgnmail.com]

Sent: Saturday, January 23, 2010 3:34 PM

To: Thomas, George

Cc: Dyksterhouse, Don; Miller, Garry **Subject:** Design Basis Calculations

George,

Please find attached the following calculations: For your information, the attached MPR signed calculations have the number listed in the left column. The calculation numbers in the red are the Progress Energy Calculation numbers. I expect the Tendon Detensioning Calculation to be approved early next week and will transmit the calculation to you after approval.

0101-0135-jlh-2	S09-0054 Radial Pressure at Hoop Tendons (provided on 1/8/10)
0101-0135-01	S09-0055 Reinforcement Ratio and Effective Modulus of Elasticity (provided 1/8/10)
0101-0135-02	S09-0056 Concrete Modulus of Elasticity and Minimum Compressive Strength
0101-0135-03	S10-0001 Tendon Tension Calculation
0101-0135-04	S10-0002 Finite Element Model Description
0101-0135-05	S10-0003 Conduit Local Stress Analysis
0101-0135-06	<u>\$10-0004</u> Tendon Detensioning Calculation (not approved at this time)
0101-0135-07	<u>\$10-0005</u> Bending/Tension Interaction Diagrams for Selected Sections
0102-0135-08	<u>\$10-0006</u> Seismic Wind, and Tornado Evaluation and Delamination Depth Evaluation for
Detensioned State	

From: Thomas, George [mailto:George.Thomas2@nrc.gov]

Sent: Friday, January 22, 2010 1:27 PM

To: Dyksterhouse, Don

Subject: Design Basis Calculations

Hello Don.

Do you have any more Design Basis calculations ready for NRC review. If you do, please email them to me, or let me know when they would be available.

Thanks.

George Thomas
CR-3 Containment Delamination SIT
301-415-6181
George.Thomas2@nrc.gov