BSC

Calculation/Analysis Change Notice

Complete only applicable items.

1. QA: QA
2. Page 1 of 1

3. Document Identifier:	4. Rev.:	5. CACN:
050-SYC-WH00-00800-000	00A	001

6. Title:
WHF Tier 1 Seismic Analysis – 2007 Geotechnical Data

7. Reason for Change:
The design response spectra shown in references 2.2.3 and 2.2.4 have been qualified with a caveat indicating that spectral values of points with a period of 3.33 second and above are plotted incorrectly. As a result it has been determined that the highest period at which the spectral values are qualified is 2 seconds. This caveat limits the data in DTNs MO0706DSDR5E4A.001 and MO0706DSDR1E4A.001.

8. Supersedes Change Notice: ☐ Yes If, Yes, CACN No.: _____ ☒ No

9. Change Impact:

Inputs Changed:	☒ Yes	☐ No	Results Impacted:	☐ Yes	☒ No
Assumptions Changed:	☐ Yes	☒ No	Design Impacted:	☐ Yes	☒ No

10. Description of Change:
Remove from Ref 2.2.3 the statement "TBV-8691" and from Ref 2.2.4 the statement "TBV-8690" from the references because of the qualification of the DTN.

Delete the last two sentences from Section 4.3, 2nd bullet on page 14.

> "The seismic data in References 2.2.3and 2.2.4 have been entered into the Technical Data Management Database, but they are unqualified and are not currently included on an interface exchange drawing. Completion of these activities is being tracked in the Document Input Reference System database via TBV-8691 and TBV- 8690."

Add the following after the first paragraph of Section 7.2 of the calculation:

MO0706DSDR5E4A.001 (Ref. 2.2.3) and MO0706DSDR1E4A.001 (Ref 2.2.4) have been qualified with a caveat that limits the validity of results for SSCs with frequencies greater than 0.5 hertz (below 2 second period).

The modes shown in Tables 1 through 12 indicate the structure's first mode for all cases have a frequency above the 0.5 hertz (below 2 seconds period) threshold. Therefore it is concluded that the building response is not affected by the caveat indicated above.

11. REVIEWS AND APPROVAL

Printed Name	Signature	Date
11a. Originator: Anant Varkekar	A Varkekar	3/1/2008
11b. Checker: Surendra Goel	S Goel	3/1/2008
11c. EGS: Thomas Frankert	Thomas Frankert	3/1/2008
11d. DEM: Raj Rajagopal	R Rajagopal	3/1/2008
11e. Design Authority: Barbara Rusinko	B Rusinko	3/1/08