

Paul Gaukler
05/29/2002 04:22 PM

To: Matias Travieso-Diaz/SPPT/US@SPPT
cc: Blake Nelson/SPPT/US@SPPT
Subject: Additional Information Regarding Testimony of Dr. Wen Tseng

Paul Gaukler
04/28/2002 09.42 PM

To: dchancel@att.state.UT.US, "Connie Nakahara"
<atkey01.cnakahar@state.ut.us>
cc:
Subject: Additional Information Regarding Testimony of Dr. Wen Tseng

In Q/A 72 of his pre-filed direct testimony, Dr. Wen Tseng testifies that the maximum deviation of local displacement from the rigid body for the cases shown on Table D-1(d) on page 234 of the ICEC Calculation is on the order of 0.01 ft, or approximately an eighth of an inch. Such a result is not expressly presented in the calculation, but is drawn from the results of the calculation runs that ICEC performed. The attached documents prepared by ICEC show this result. They consist of 2 plots of dynamic vertical response displacements of cask storage pad obtained from CECSAP analysis for the best-estimate soil case with Holtec's forcing functions applied at Casks 1 and 2.

Figure 1 shows the plot of cask storage pad with node points where the two (longitudinal and transverse) sections selected for plotting displacements are indicated by bold lines.

Figure 2 shows the plot of dynamic vertical response displacements at 5.285 seconds of the pad along the longitudinal section.

Figure 3 shows the plot of dynamic vertical response displacements of the pad at 5.285 seconds along the transverse section.

The pad response displacements shown in Figures 1 and 2 are at their maximum values for those nodes located in the pad region near Casks 1 and 2 where dynamic loadings were applied.



Dynamic Vert Displ (BE, 2 Casks).F

Thanks.
Paul Gaukler
ShawPittman LLP
Phone: 202-663-8304
Fax: 202-663-8007

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Docket No. _____ Official Ex. No. 227
 In the matter of _____
 Staff _____ IDENTIFIED
 Applicant RECEIVED
 Intervenor _____ REJECTED _____
 Other _____ WITHDRAWN _____
 DATE 6/8/02 Witness _____
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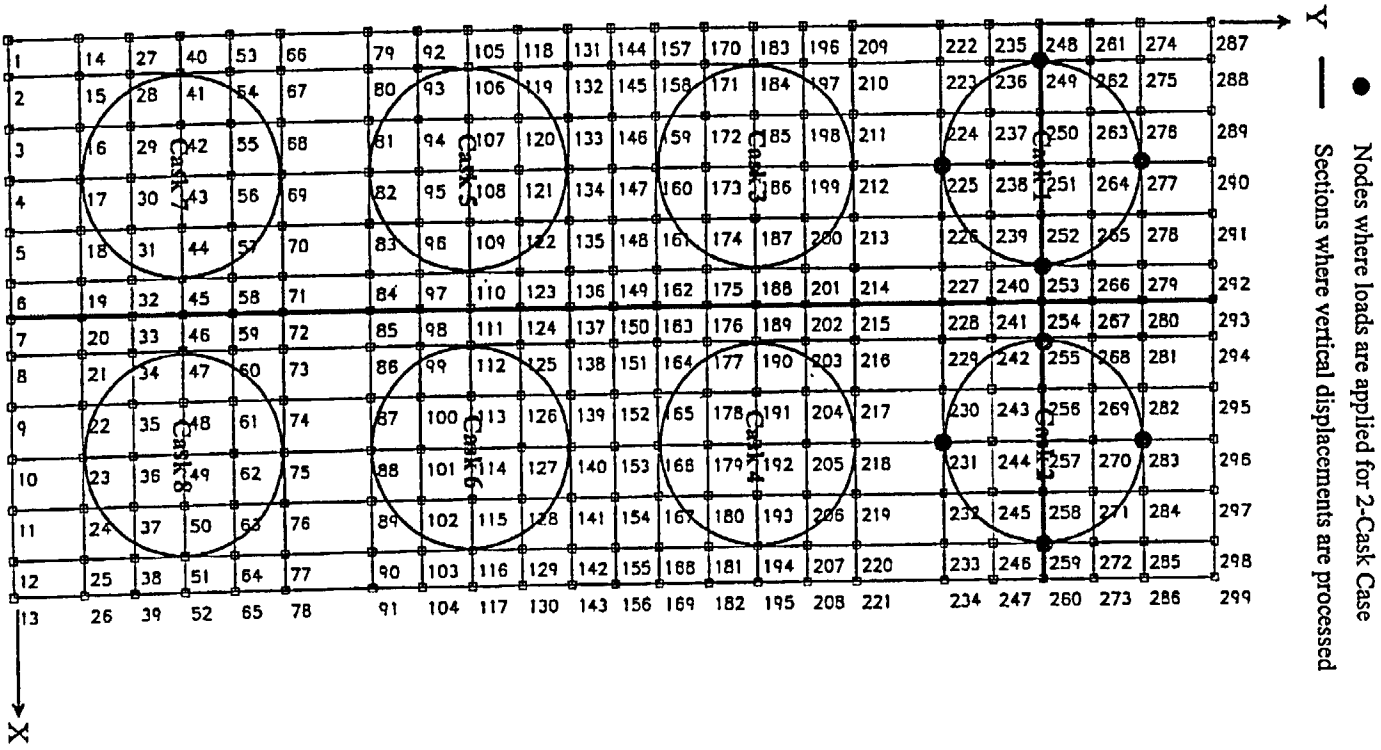


Figure 1 CECOSAP Finite- Element Model with Node Numbers

Private Fuel Storage Facility (Best-Estimate Soil, 2-Cask Case)

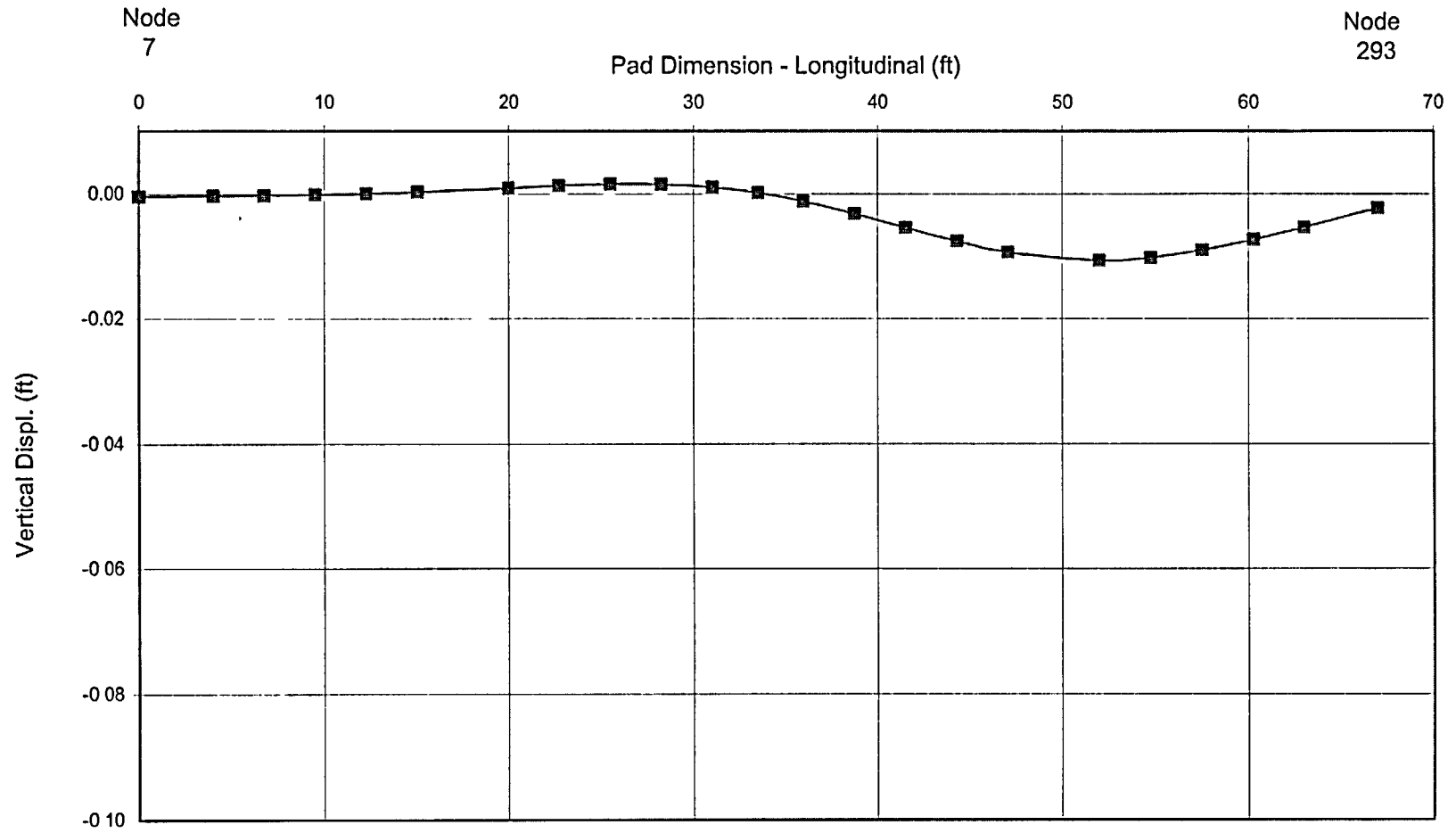


Figure 2 Dynamic Vertical Response Displacements of Cask Storage Pad at 5.285 Seconds - Longitudinal Section

Private Fuel Storage Facility (Best-Estimate Soil, 2-Cask Case)

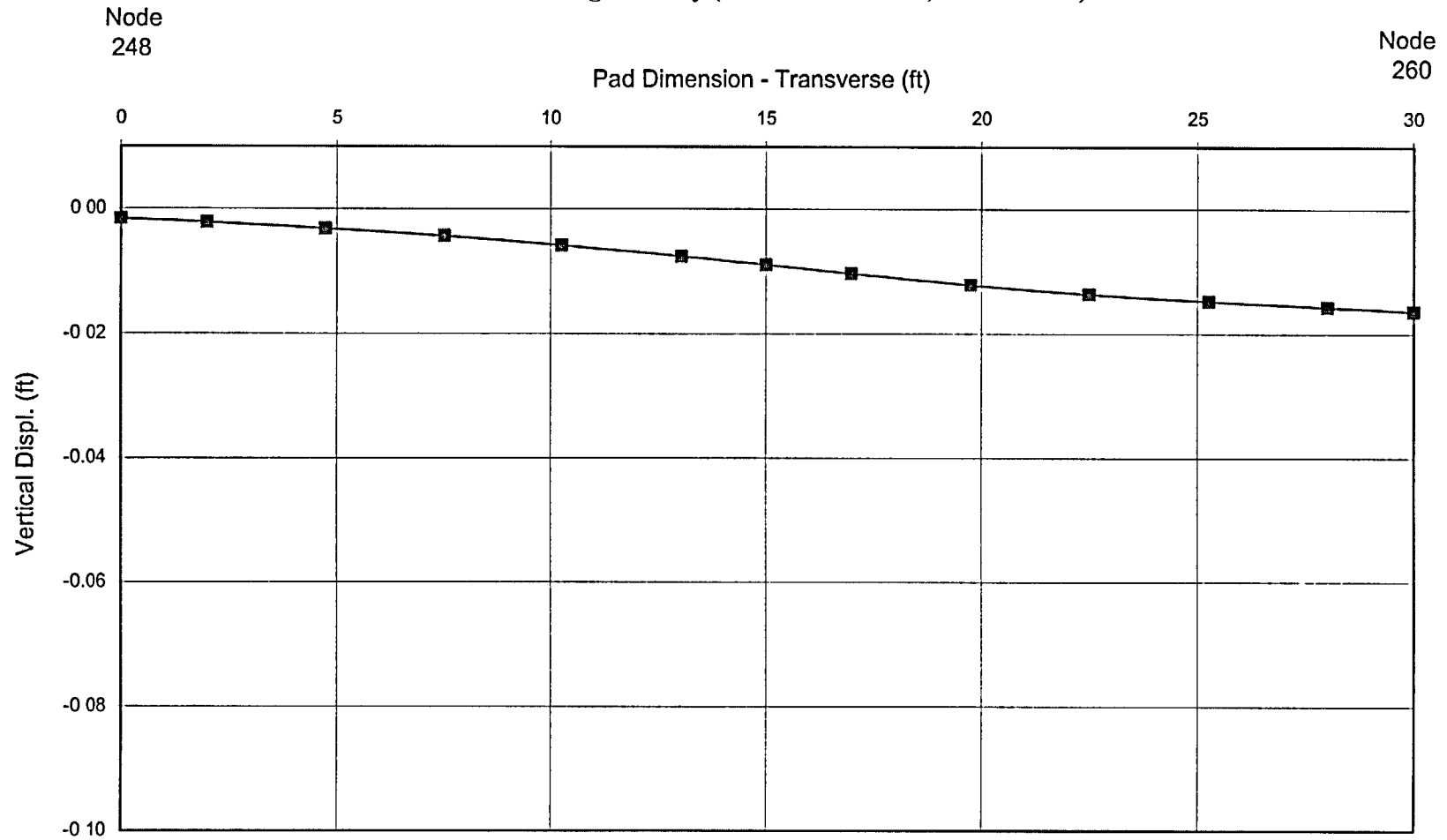


Figure 3 Dynamic Vertical Response Displacements of Cask Storage Pad at 5.285 Seconds - Transverse Section