

# HORIZONTAL DISPLACEMENT, JUST PRIOR TO SLIDING, AT CASK/PAD INTERFACE

DOCKETED  
USNRC

2003 JAN 13 PM 2:45

OFFICE OF THE SECRETARY  
RULEMAKINGS AND  
ADJUDICATIONS STAFF

Horizontal Stiffness =  $k_h$

Coefficient of Friction =  $\mu$

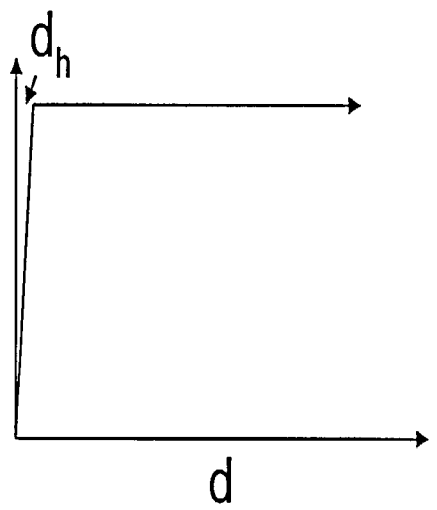
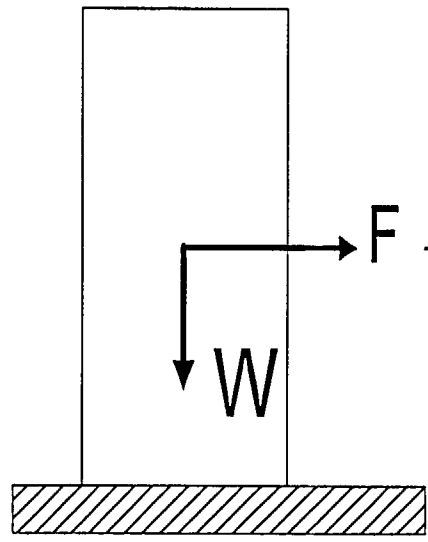
Horizontal movement, just prior to sliding, =  $d_h$

◆  $d_h = \mu W / k_h$

- $k_h = 100,000 \text{ lb/in,}$
- $\mu = 0.2$

▪  $d_h = 0.72''$

◆ Horizontal distance,  $d_h$ , just prior to sliding, is unrealistic!



NUCLEAR REGULATORY COMMISSION

Docket No. \_\_\_\_\_ Official Ex. No. 92

In the matter of \_\_\_\_\_

Staff \_\_\_\_\_ IDENTIFIED \_\_\_\_\_

Applicant  RECEIVED \_\_\_\_\_

Intervenor \_\_\_\_\_ REJECTED \_\_\_\_\_

Other \_\_\_\_\_ WITHDRAWN \_\_\_\_\_

DATE 5/1/72 Witness \_\_\_\_\_

Clerk  \_\_\_\_\_