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USNRC

FORMULA FOR ENERGY ABSORPTION BY A SPRING

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OFFICE OF THE SECRETARY  
RULEMAKINGS AND  
ADJUDICATIONS STAFF

E (Energy Absorption by Spring) = 1/2 K (Stiffness) x d (deflection)<sup>2</sup>

$E = \frac{1}{2} K d^2$

$d = \frac{W}{K}$

W = weight of cask system

$E = \frac{1}{2} K \frac{W^2}{K^2}$

$E = \frac{1}{2} \frac{W^2}{K}$

2 CLEAR REGULATORY COMMISSION

Docket No. \_\_\_\_\_ Official Ex. No. 93

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

Staff _____	IDENTIFIED <input checked="" type="checkbox"/>
Applicant <u>X</u>	RECEIVED _____
Intervenor _____	REJECTED _____
Other _____	WITHDRAWN _____
DATE <u>5/7/02</u>	Witness _____
Clerk <u>[Signature]</u>	