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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)²

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

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

W = weight of cask system

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

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

NUCLEAR 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Other _____	WITHDRAWN _____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> _____	