

OFFICE OF THE SECRETARY  
CORRESPONDENCE CONTROL TICKET

Date Printed: Jul 07, 2004 10:47

PAPER NUMBER: LTR-04-0421  
ACTION OFFICE: EDO

LOGGING DATE: 07/07/2004

To: Dyer, NRR

AUTHOR: Walston Chubb (Retired Consultant)  
AFFILIATION: PA  
ADDRESSEE: CHRM Nils Diaz

cys: EDO  
DEDMRS  
DEDH  
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AO  
DEDR

SUBJECT: ~~Provides lesson in the relationship or power to life and death-~~  
Exposure to Nuclear Radiations

ACTION: Appropriate  
DISTRIBUTION: RF

LETTER DATE: 06/20/2004

ACKNOWLEDGED No

SPECIAL HANDLING: Immediate release via SECY/EDO/DPC

NOTES:

FILE LOCATION: ADAMS

DATE DUE:

DATE SIGNED:

June 20, 2004

Nils Diaz, acting chairman  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555 - 0001

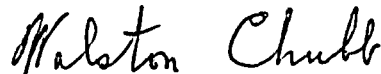
Dear Chairman Diaz,

It has taken years to uncover the mistake  
described by the enclosure.

Now, it is your/<sup>turn</sup>to discover and reveal how  
the error was made and who made it.

Have fun!

Sincerely,



Walston Chubb, retired consultant  
nuclear materials and radiochemistry  
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encl. A Sorry Lesson

A Sorry Lesson in the Relationship of  
Power to Life and Death  
(All numbers are approximations)

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The power required to kill:

Energy absorbed by a human in an atomic bomb blast,  
usually stated as 500 Rem: 1700 watts

Energy absorbed by a human in an electrocution,  
usually stated as 2000 volts: 200 watts

The power to live:

Energy required for a human to stay alive and warm,  
usually stated as 2800 calories per day: 0.14 watt

The maximum power that Federal regulations allow a worker  
to receive in the form of nuclear radiations,  
usually stated as 5 Rem per year:  $1.6 \times 10^{-9}$  watt

A whopper of a mistake has been made in deriving our  
Federal regulations for exposures to nuclear radiations.

In the absence of this mistake, there would be no:

- Exaggerated fear of nuclear radiations;
- Oppressive regulation of the nuclear industry;
- Serious concerns about the disposal of spent nuclear fuel;
- Concerns about the disposal of low-level radioactive wastes;
- Concerns about medical treatments with radioisotopes;
- Blackouts;
- Shortages and high prices of gasoline and natural gas;
- Unemployment in nuclear related industries;
- Excess profits on imported oil and gasoline;
- Power struggle over those excess profits;
- Leakage of excess profits to barbarians;
- An attack on a naval vessel named Cole;
- An attack on the World Trade Center;
- Commission to investigate the attack on 9/11/01;
- War on terrorism;
- Huge national debt;
- Loss of funding for HEW;
- Loss of national prestige and international influence.

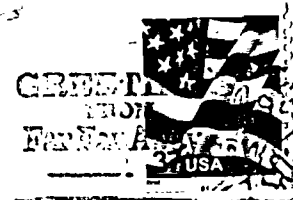
The free world will have to work as one to recover from this mistake!

Sincerely,

*Walston Chubb*

Walston Chubb, retired consultant  
nuclear materials & radiochemistry

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Nils-Diaz, acting chairman

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