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ADDRESSEE: Gregory Jaczko

SUBJECT: Concerns the use of electric power in the U.S.

ACTION: Appropriate

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September 10, 2010

Gregory Jaczko, chairman
U.S. Nuclear Regulatory Commission
Washington, DC 20555 - 0001

Dear Mr. Jaczko,

The use of expensive electric power is a significant contributor to the present recession. While thirty foreign countries have built 320 nuclear power plants, the U.S. has built over 300 gas-fired power plants. Gas-fired power costs more than $2\frac{1}{2}$ times as much as nuclear power. About 20% of our electric power is now made by gas-fired power plants. This extra cost has sent jobs and businesses over-seas in search of lower cost labor and energy. An example is the automobile business. It has gone to Japan which has 54 nuclear power plants to support its low cost labor.

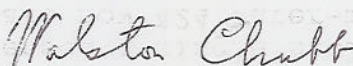
Congress is responsible for this situation. It created the Nuclear Regulatory Commission and peopled it with persons with no experience in the nuclear business. Presumably, these inexperienced people would license nuclear power plants if they felt confident that they were safe; and vice versa. Naturally, these people haven't licensed a single nuclear power plant since 1974. Since there are now 424 water-moderated nuclear power plants in existence, and since no person has ever been hospitalized with radiation sickness contracted at any of them, there is clearly something wrong at the NRC. They are not learning their business.

Why do all nuclear power plants have ten-mile evacuation zones around them? Do NRC personnel believe that nuclear power plants can explode like a atomic bomb? An atomic bomb is a critical mass about the size of a soft-ball. It can vaporize itself in much less than 0.003 second. The core of a nuclear power plant is about ten feet in diameter and fourteen feet high. Such a reactor can produce a powerful steam explosion, as at Chernobyl; but it isn't likely to melt or vaporize. Reactors containing more than 20% uranium can remain critical without a moderator; but water-moderated reactors will shut down if they lose their moderator.

When the NRC was created, some people believed that radiation damage to humans was permanent and cumulative. This belief was derived from the feudal, Shinto belief in seeds-of-death. Thus, the NRC came to believe that 5 Rem per year would produce death in 100 years. In 1986, the Chernobyl accident sent 237 workers to the hospital with radiation sickness. Of these, 209 recovered and were discharged within about five weeks. Evidently, radiation damage produces the same effect as starvation. No after-effects have been reported.

The NRC has ignored the evidence from Chernobyl, retains its feudal beliefs, licenses no nuclear power plants, and degrades the ability of the U.S. to compete in world commerce.

Sincerely,



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