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July 2nd, 2001

To: Dr. Jane Summerson,
EIS Document Manager, M/S 010
U.S. Department of energy
office of Civilian Radioactive
Waste Management, Yucca Mountain Site
characterization office, P.O. Box 30307
North Las Vegas, Nevada 89036-0307

Dear Dr. Jane Summerson;

This letter is in answer to your letter dated June 18th 2001, which extended your Public comment period to July 6th 2001; and your Supplement of the Draft Environmental Impact Statement for a Geologic Repository for the Disposal of spent Nuclear Fuel and High Level Radioactive Material (Waste) at Yucca Mountain, Nye County, Nevada; Dated May, 2001.

1... From the very beginning, my major concern were the containers, (Casks), this high Level nuclear material will be stored in. What will be the constant temperature without attempts to neutralize it. How much heat will Gamer Ray; Alfa Rays; Nutronis; Protonis; radio activity; Fissio products and continual radiation-generated heat; will there be?!!

1 cont. Your offices has not declosed the tremendous heat that will be generated with in each container.

However, your Supplement, dated May, 2001, did give an indication of what the heat temperature will be in each container.

Table 2. Design Evolution; sub item 2.1, page 2-1, last paragraph states that 11,000 to 17,000 thousand Containers are necessary to support 70,000 thousand metric Tons of spent nuclear fuel and high level radio active material in a repository at Yucca Mountain.

Table 1.2, Scope, third paragraph from the end indicates that high temperature of a portion of the emplacement drift rock wall, will have a temperature of 205° Farinheit.

Table 2.3.3.2. Ventilation, Second paragraph from the end of 2.3.3.2 reads as follows; "During enplacements, Ventilation would maintain drift temperatures within acceptable range for equipment operations. After enplacement, ventilation would remove at least 70 percent of the heat generated by the waste packages."

2... So, if the drift Rock is maintained at 205 degrees Farinheit; and the Ventilations fans are removing 70% of the heat;

2 cont. it means that the high Level Nuclear material is sustainning 30% more heat in the Containers; with the Ventilation system in Full operation; which means that each contain is generating 266.5 degrees Farinheit.

Any High School student can tell yw that water boils at 212 degrees Farinheit.

So, If the Ventilation System or another Coolent system Fails to operate; that means the Containers can add an additional Temperature of 70% to 266.5 degrees Farinheit; Comes to 1,865.5 degrees Farinheit.

So, If all the Coolent and Ventilation Systems fail; a chain reaction will derelope and each of the 11,000 to 17000 Containers can melt-down and explode

3 Beside the extensive property damage, the effect on peopl around the Country will be devestating. Initially peoples thyroid glands will be affected. then the Blood systems, (Red Blood Cells) will be over whelmed by (White Blood cells). A prolonged and progressive increas in white Cells is called Leukemia and is a form of Cancer. Source: the American Peoples encyclopedia 1959 Edition pages 3-632 and 3-633.

I am sure, by now, you know that the concentration of all this High Level nuclear material is a bad idea. never in the history of human-kind has so much destructive power is considered to be placed in one area.

Please reference your figure 2-10. Your design evolution has a Boil-water reactor (BWR) and a Pressurized water reactor (PWR) which includes Drip sheilds.

4 There are no Oceans, Lakes, Rivers; or any other above ground means to provide Coolent to the Yucca Mountain area. The major source is under-ground drinking water. That in-its-self should disqualify this site.

I was always of the opinion that The High level nuclear material inside the containers, will have to be vented (open the containers in order to release the (built-up) presure; in order to keep them from exploding.

5... There is a major Scientific Flaw to all your planning. No one pays attention To the Wind; the weather; The Rain.

the prevailing winds is west To east; the same is true with the weather. Wind and Rain whirls in all directions. Such as the Santa Ana winds for California which flows from east to west.

5 cont.

Any disaster at Yucca Mountain will affect the Fields, Farms, Communities, Cities through-out the United states, parts of Canada and Mexico.

Learn from the chernobyl disaster. People, after 14 years are still suffering from it; also the land is useless. The fall-out reached Western and Eastern Europe.

In the immediate area; Over 20 million people can and will be affected by this Potential desaster. Southern Nevada, Clark County, Las Vegas and other Cities in this area; are only 70 Air Miles (as the crow flies) away. Hoover Dam is 100 Air miles away, All of Southern California are within 275 Air Miles away. Note! Yucca Mountain is less than 20 Air miles away from the California state line.

6... My recommendation for storage of all this High Level Nuclear Material is:

1. Disperse each Containers seporately to the Northeast Coast, the wind and weather will not affect any leakage to the rest of the Country.
2. The best place to store this nuclear Material is in the Salt waters of the Atlantic Ocean, the Salt is nature's purifier; and will evenually noturalize this High level dangerous Nuclear Material.

6 cont. the winds will blow any Fall-out; out to thousands of miles of open ocean water.

7 Yucca Mountain is the wrong site; in the wrong place. Nature determines direction of wind and weather. No Science or the Congres and or the excexutive branch of Government can change that; and the Surpreme Court cannot overturn it.

So please, reject yucca Mountain as a Suitable site. It is not; and can not be made safe.

Verey Sincerely

Harry Sontag

HARRY SONTAG
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Please note: I intend to submit copies of this letter, To the President, two Nevada Senators; Two Nevada members of the House; the majority and Minority leaders both in the Senate and the House of Rrepresentatives.