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Subject: ANOI Rail Comment

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Comment Text :  
-->Dr. Jacob D Paz

Jacob and Marty Environment Inc

PO BOX 72361

Las Vegas, NV 89170

Dr. Jane Summerson  
November 17, 2006

EIS Document Manager

Regulatory Manager

Office of Civilian Radioactive waste Management

Department of Energy

1551 Hillshire Dr. M/S 010

Las Vegas, NV 89134

Dear Dr. Summerson:

The Department (DOE) invites comments on the scope of the Supplemental Yucca Mountain Rail Corridor and Rail Alignment EIS to ensure that all relevant environmental issues and reasonable alternatives are addressed. Scoping will help define the expanded scope of the Rail Alignment EIS to supplement the rail corridor analysis of the Yucca Mountain Final EIS, and analyze the Mina corridor. This Supplemental Yucca Mountain Rail Corridor and Rail Alignment EIS will also consider, in detail, alignments for the construction and operation of a rail line within the Caliente and Mina rail corridors.

- What quantities of hazardous caringen Zeolite fibers are we talking about during construction of Rail Road and methods of disposal?

- How are the Visitors and the public protected from exposure to these fibers?

2. Why in Health and Safety health hazard associated with radon and precaution to be taking by should be discussed?

4. Why the possibility or the/probability of employee exposure to silica dust and radon has been ignored? During the construction of 300 miles of Rail Road.

6. My question is dose DOE-YMP planning to develop a dispersion scenario model using SF6 in case of accidental relapses of radionuclide or fire form rail in "major cities" along the rail rout.

7. In a recent publication by [Pellmer et al, 2005] on "Priority list of research area for radiological threat countermeasures." Stated that Combine Injuries Should receive high priority:

1. To understand the mechanisms of the interactions of exposures to radiation in combination with chemical agents, pathogens and traumatic injury (burn and blast).

2. To develop medical interventions for radiation injury in combination with other chemical, biological or physical exposures.

How the DOE is going to address accidental release or terrorist activity of radioactive shipment a probable treat is both relapses of Pb and radionulides. Experimental data that define the interactions of threat agents and the implications of combined exposures for treatment and prophylaxis are needed. Existing data suggest that the interaction of radiation with other injuries could produce severe medical complications. Since exposure to radiation impairs immune responses, a radiation casualty would become more susceptible to infection. Interaction of radiation injuries with physical injuries such as burns and wounds also complicates therapy. Radiation impairs the healing process and predisposes to infectious complications. Other less well-understood interactions between radiation and other exposures could complicate the pathology and medical treatment. Because of these risks, understanding the mechanisms of interactions and developing countermeasures

for combined exposures are important for full preparedness in the event of a radiological or nuclear attack. Is the DOE-YMO is going to stated that they would not support such research and why. How can they estimate the real danger to population at risk during shipment of radioactive waste?

Pellmar C.T, et al, Priority list of research area for radiological threat countermeasures. Radiation Research , 163: 115-123, 2005

Yours truly,

Dr. Jacob Paz

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