

JAMES E. BICKFORD  
SECRETARY



RECEIVED

OCT 13 1999

PAUL E. PATTON  
GOVERNOR

EIS000066

COMMONWEALTH OF KENTUCKY  
**NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET**  
DEPARTMENT FOR ENVIRONMENTAL PROTECTION  
FRANKFORT OFFICE PARK  
14 REILLY RD  
FRANKFORT KY 40601

October 4, 1999

Wendy R Dixon EIS Project Manager  
M/S 010 US Department of Energy  
Office of Civilian Radioactive Waste Management  
Yucca Mountain Site Characterization Office  
P O Box 30307  
North Las Vegas NV 89036-0307

Re: Draft EIS for geologic repository for disposal of spent nuclear fuel and high-level radioactive waste at Yucca Mountain, Nye County, Nevada (SERO 99-52).

Dear Mr. Hinkle:

The Natural Resources and Environmental Protection Cabinet (NREPC) serves as the state clearinghouse for review of environmental documents generated pursuant to the National Environmental Policy Act (NEPA). Within the cabinet, the Commissioner's Office in the Department for Environmental Protection **coordinates** the review for Kentucky State Agencies.

The Kentucky agencies listed on the attached sheet have been provided an opportunity to review the above referenced report. Responses were received from six (also marked on attached sheet) of the eight agencies that were forwarded a copy of the documents. Attached are comments from the Kentucky Divisions of Water and Waste Management. If any further comments are submitted, they will be forwarded at that time.

If you should have any questions, please contact me at (502) 564-2150, ext. 112.

Sincerely,

A handwritten signature in cursive script, appearing to read "Alex Barber".

Alex Barber

Enclosure

**NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION  
CABINET  
ENVIRONMENTAL REVIEW**

Draft EIS for geologic repository for disposal of spent nuclear fuel and high-level radioactive waste at Yucca Mountain, Nye County, Nevada

The following agencies were asked to review the above referenced project. Each agency that returned a response will appear below with their comments and the date the project response was returned.

**C denotes Comments  
NC denotes No Comment  
IR denotes Information Request  
NR denotes No Response**

**REVIEWING AGENCIES:**

Division of Water _____	comments
Division of Waste Management _____	comments
Division for Air Quality _____	not sent
Department of Health Services _____	no response
Economic Development Cabinet _____	not sent
Division of Forestry _____	not sent
Department of Surface Mining Reclamation & Enforcement _____	not sent
Department of Parks _____	not sent
Department of Agriculture _____	nc
Nature Preserves Commission _____	nc
Kentucky Heritage Council _____	not sent
Division of Conservation _____	not sent
Department for Natural Resources _____	not sent
Department of Fish & Wildlife Resources _____	nc
Transportation Cabinet _____	nc
Department for Military Affairs _____	no response

2

JAMES E. BICKFORD  
SECRETARY



EIS000066

PAUL E. PATTON  
GOVERNOR

COMMONWEALTH OF KENTUCKY  
**NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET**  
DEPARTMENT FOR ENVIRONMENTAL PROTECTION  
FRANKFORT OFFICE PARK  
14 REILLY RD  
FRANKFORT KY 40601

Comments for Project #SER099-052

The Division of Waste Management's main concern would be the routes used to transport the material. There are no permitted hazardous waste disposal sites for this type waste in Kentucky. The division may have further comments when the routes are finalized.

1



3



COMMONWEALTH OF KENTUCKY  
**NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET**  
DEPARTMENT FOR ENVIRONMENTAL PROTECTION  
FRANKFORT OFFICE PARK  
14 REILLY RD  
FRANKFORT KY 40601

**MEMORANDUM**

**TO:** Alex Barber *AB*  
State Environmental Review Officer  
Department for Environmental Protection

**FROM:** Timothy Kuryla *TK*  
EIS Coordinator  
Division of Water

**DATE:** September 30, 1999

**SUBJECT:** DEIS, Spent Nuclear Fuel & Radioactive Waste Disposal at Yucca Mountain (Nye County, Nevada), SERO990831-52

The Division of Water has reviewed the Draft Environmental Impact Statement, prepared by the U.S. Department of Energy, regarding the disposal of spent nuclear fuel and radioactive waste in Yucca Mountain (Nye County, Nevada). The Division finds in the DEIS no provision for state notification regarding routes and mode of transportation (railroad or highway). The states need to be involved and informed. It is possible that such waste could be transported through the Commonwealth of Kentucky.

If such waste is transported through Kentucky, the Division of Water notes the following:

In the event of an accident which results in the release of spent nuclear fuel and radioactive waste, an extensive water sampling program would be required to insure that there are no adverse health effects. This sampling, coupled with spill control and contamination prevention measures, could result in the closing of water and wastewater treatment plants which would, thereby, create water shortages and sanitation problems. Consideration should be given to plans for providing emergency supplies of potable water and emergency wastewater treatment.



3

Using a list of all populated areas through which a Kentucky route passes, an emergency notification guide needs to be prepared. The guide needs to list for each populated segment a 24-hour telephone number for the local water and wastewater authorities. The drivers of the highway vehicles or the crews of the trains with the railroad cars containing the spent nuclear fuel and radioactive waste need to have instructions to notify those local authorities so that appropriate action could be taken to protect:

- the intakes and facilities of water treatment plants,
- wastewater treatment plants by having the spilled material held in interceptors or routed to bypass the plant, and
- the operators of water and wastewater plants.

Transporters need to comply with the federal Hazardous Materials Transportation Safety Act (49 USC §1801 et seq.) requirements including contingencies for response contractors, phone notifications, and special requirements for monitoring-cleaning.

c: Gene Blair, Field Operations Branch

5