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Department of Environmental Quality
Waste Management Division

707 N. Robinson, Oklahoma City, Oklahoma 73101



O K L A H O M A
DEPARTMENT OF ENVIRONMENTAL QUALITY

Date: 11-5-99

Number of pages including cover sheet: 3

To:

Thomas O'Brien

OSP

Phone: 301 415 2308

Fax phone: 301 415 3502

CC:

From:

Waste Management Division

Mike Broderick

Phone: (405)702-5100

Fax phone: (405)702-5101

REMARKS: Urgent For your review Reply ASAP Please comment

As requested.

I apologize for the letterhead on 2nd page,
we are having printer problems.

PO R STPRG

WASTE MANAGEMENT CENTER

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MARK COLEMAN
Executive Director

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY

FRANK KEATING
Governor

November 8, 1999

Tom O'Brien
Office of State Programs
United States Nuclear Regulatory Commission
Washington, D. C. 20555-0001

Dear Mr. O'Brien:

Re: Request for Technical Information (SP-99-074)

In response to the request dated November 2, 1999 in which the NRC requested certain information on current agreement state practices, we are supplying information about our proposed agreement state program.

Question 1. How were your State's radiological criteria derived and to what type of materials (e.g., medical, pipe scale) do they apply? If Regulatory Guide 1.86 was used as a basis please indicate so, if another technical basis was used, please provide that basis.

Response 1. Oklahoma's surface contamination limits were derived from NRC Regulatory Guide 1.86. 10 CFR 20 Subpart E is being adopted by reference in order to update the state "Standards for Protection Against Radiation". The radiological criteria apply to all persons possessing sources of radiation subject to DEQ jurisdiction.

Question 2. How are your State's radiological criteria applied (e.g., through guidance, licensing actions, regulations)?

Response 2. Oklahoma's radiological criteria are applied through Oklahoma Radiation Management rules and the use of NRC developed guidance. Licensing and permitting actions will include decommissioning commitments appropriate for the amount and form of radioactive material in use at the facility.

Question 3. What surveying/monitoring methodologies are used? If NUREG/CR-5849 or MARSSIM are used, please indicate so. If a State developed or another method is used, please provide that method.

Response 3. Methodologies used depend on the probable level of contamination and the area to be surveyed. NUREG 5849 or MARSSIM methodologies will be used as appropriate.

Question 4. What type of instruments (e.g., manual versus automated, hand-held versus stationary, barrel counters versus conveyor systems) and what sensitivity (i.e., lower limit of detection) values are used as selection criteria for instruments used in demonstrating compliance with the radiological criteria provided in response to Question 1.?

Response 4. Hand held instruments with a sensitivity below the limits contained in Appendix D would be used in demonstrating compliance with surface contamination limits. Soil concentrations would be determined through sampling and laboratory analysis. Again, the lower limit of detection needs to be low enough to detect concentrations at or above the contamination limits.



Tom O'Brien
November 8, 1999

MARY COLEMAN

Executive Director



OKLAHOMA
DEPARTMENT OF ENVIRONMENTAL QUALITY

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY

FRANK KEATING

Governor

Question 5. If your release criterion is zero, how do you have your licensees determine that a solid to be released is not radioactive or meets the zero criterion.

Response 5. Release criterion is not zero.

Question 6. If any State licensees currently have volumetric release authorization, please identify the licensees and whether the quantities released are tracked, summarize the scope of these authorized activities, and provide the criteria used in granting the authorization.

Response 6. No State licensees currently have volumetric release authorization.

Sincerely yours,

A handwritten signature in black ink, appearing to read 'Mike Broderick', is written over the typed name.

Mike Broderick, Program Manager
Radiation Management Section

