

April 7, 2016

Mr. Bill Halliburton, Administrator
Cimarron Environmental Response Trust
c/o: Environmental Properties
Management, LLC.
9400 Ward Parkway
Kansas City, MO 64114

SUBJECT: REQUEST TO ACCEPT DECOMMISSIONING PLAN FOR THE CIMARRON
FACILITY NEAR CRESCENT, OKLAHOMA FOR TECHNICAL REVIEW

Dear Mr. Halliburton:

By letter dated December 31, 2015 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML16032A285) the Cimarron Environmental Response Trust submitted a license amendment request for approval of its Decommissioning Plan (DP).

The U.S. Nuclear Regulatory Commission (NRC) staff has conducted its administrative review and cannot accept the DP as submitted, as there are areas where additional information is needed before the DP can be accepted for detailed technical review. Additional information is needed in the following areas:

Nuclear Criticality Safety

1. Provide the technical basis for applying the fissile exempt criteria of 10 CFR 71.15 to disposal, and describe the physical and chemical form and configuration of the materials and its containers subject to those criteria. Provide the criticality analysis used to derive those criteria and justify their applicability to disposal at your site, including any additional requirements (e.g., spacing between fissile-exempt and non-fissile exempt material) necessary to support their use. If this technical basis is contained in the documents referenced in your submittal, NUREG/CR-6284 and NUREG/CR-6505, or in exemptions at other facilities mentioned in your submittal, describe the basis specifically and justify its applicability to activities at your site.
2. The NRC staff noted an apparent inconsistency in Section 6.0 "Revisions to the License" in that Condition 8(D) refers to waste containers meeting the transportation requirements for fissile exempt material, which are contained in 10 CFR 71.15(a) - (f), whereas the attached Note 2 only refers to the concentration-based criteria in 10 CFR 71.15(c). Please explain this difference and revise Section 6.0 as necessary.

Groundwater

1. Submit computer groundwater flow models for Burial Area 1 and the Western Alluvial Area, including input files and output files.
2. Submit Oklahoma Pollution Discharge Elimination System (OPDES) permit application for on-site groundwater injection.
3. Submit OPDES permit application for groundwater discharge to the Cimarron River.

Financial Assurance

1. Submit Certification statement referenced in Appendix H to the DP.
2. Submit Trust Agreement referenced in Section 16.3.4 of the DP.

In accordance with 10 CFR 2.390 of the NRC's "Agency Rules of Practice and Procedure," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records component of NRC's ADAMS. ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>.

Please let me know when you will be able to provide the above cited information. If you have any questions concerning this letter, please contact me at (301) 415-6664 or via email at Kenneth.Kalman@nrc.gov.

Sincerely,

/RA/

Kenneth Kalman, Project Manager
Materials Decommissioning Branch
Division of Decommissioning, Uranium Recovery,
and Waste Programs
Office of Nuclear Material Safety
and Safeguards

Docket No.: 70-925

cc: Cimarron Site Service List

Groundwater

1. Submit computer groundwater flow models for Burial Area 1 and the Western Alluvial Area, including input files and output files.
2. Submit Oklahoma Pollution Discharge Elimination System (OPDES) permit application for on-site groundwater injection.
3. Submit OPDES permit application for groundwater discharge to the Cimarron River.

Financial Assurance

1. Submit Certification statement referenced in Appendix H to the DP.
2. Submit Trust Agreement referenced in Section 16.3.4 of the DP.

In accordance with 10 CFR 2.390 of the NRC's "Agency Rules of Practice and Procedure," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records component of NRC's ADAMS. ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>.

Please let me know when you will be able to provide the above cited information. If you have any questions concerning this letter, please contact me at (301) 415-6664 or via email at Kenneth.Kalman@nrc.gov.

Sincerely,

/RA/

Kenneth Kalman, Project Manager
Materials Decommissioning Branch
Division of Decommissioning, Uranium Recovery,
and Waste Programs
Office of Nuclear Material Safety
and Safeguards

Docket No.: 70-925

cc: Cimarron Site Service List

ADAMS Accession No.: ML16091A427

OFFICE	DUWP:PM	DUWP:LA	DUWP:BC	DUWP:PM
NAME	K. Kalman	C. Holston	M. Norato	K. Kalman
DATE	4/01/16	4/05/16	4/07/16	4/07/16

OFFICIAL RECORD COPY

CIMARRON SITE SERVICE LIST

cc:

Mike Broderick
Radiation Management Section
Waste Management Division
Department of Environmental Quality
707 North Robinson
Oklahoma City, OK 73102-6087

Bill Halliburton, Administrator
Cimarron Environmental Response Trust
c/o: Environmental Properties Management, LLC.
9400 Ward Parkway
Kansas City, MO 64114

Jeff Lux
Environmental Properties Management, LLC.
1908 Willow Way Circle
Edmond, OK 73013