



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

REGION III  
2443 WARRENVILLE RD. SUITE 210  
LISLE, IL 60532-4352

June 20, 2016

Mr. Willie (Jack) M. Crawford  
Radiation Safety Officer  
The Curators of the University of Missouri  
311 Jesse Hall  
Columbia, MO 65211

SUBJECT: NRC REVIEW OF THE CURATORS OF THE UNIVERSITY OF MISSOURI'S  
FINAL STATUS REPORT AND SUPPORTING DOCUMENTATION FOR  
SINCLAIR FARM

Dear Mr. Crawford:

Enclosed is Amendment No. 114 to your NRC Material License No. 24-00513-32. Please note that the major changes made to your license are printed in **bold** font.

Within the license amendment is the addition of two burial sites: Sinclair Farm Cow Burial Site and South Farm Burial Site, of which both are separate outdoor areas. Title 10 of the *Code of Federal Regulations* (CFR) 30.36(d) requires, in part, that if any separate building or outdoor area requires a Decommissioning Plan pursuant to 10 CFR 30.36(g)(1), the licensee is required to submit the plan to the NRC with 12 months of the criteria set forth in 10 CFR 30.36(d). However pursuant to 10 CFR 30.36(h)(1) if any separate building or outdoor area does not require a Decommissioning Plan, the licensee may submit documentation to show the separate building or outdoor area is releasable in accordance with NRC requirements no later than 24 months following the initiation of decommissioning. The licensee is required to initiate decommissioning if conditions under 10 CFR 30.36(d)(1), (d)(2), (d)(3) or (d)(4) are met. The licensee is required to comply with the above regulations concerning the Sinclair Farm Cow Burial Site and South Farm Burial Site.

This also refers to your request for the NRC to review documents supporting the release of portions of Sinclair Research Farm Properties at The Curators of the University of Missouri. Your latest letter dated December 18, 2015, (ML16012A270) makes reference to five other documents (ML15106A519, ML15106A613, ML15106A647, ML15106A666, and ML15106A393) to support the licensee's position that The Curators of the University of Missouri can release portions of the Sinclair Research Farm Properties for unrestricted use.

Enclosure contains Sensitive Unclassified  
Non-Safeguards Information. When  
separated from the Enclosure, this  
transmittal letter is decontrolled.

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In your December 18, 2015 letter, the licensee provides specific reference to an area designated as Tract 7, within the Sinclair Research Farm property, which had boundaries with Tract 6 on the North and East sides and a boundary with Tract 5 on the south side. The boundary on the west side is considered private property and not owned by The Curators of the University of Missouri. This Tract 7 is a rectangle approximately 745 feet by 420 feet or 7.18 acres. Within your letter, you provided maps with corresponding dimensions and Global Positioning System (GPS) coordinates bounding that area. It is NRC's understanding that Tract 7 does contain former pits where radioactive material was buried and that the licensee is continuing its characterization of the area to determine if remediation is necessary. Consequently, the licensee has informed the NRC that this Tract is not planned to be released for unrestricted use at this time.

The NRC conducted independent inspections and reviewed information provided by the licensee concerning Tracts 1, 2, 3, 4, 5, and 6 and has no objection to the release of these areas for unrestricted use, with regard to materials covered under NRC license authority. Based upon our inspections and reviews, these tracts either meet or are lower than the unrestricted release use criteria of 25 mRem/year as required under 10 CFR 20.1402.

Please be aware that the historical records relating to the above areas and the information used as the basis for unrestricted release must be maintained, pursuant to 10 CFR 30.35, "*Financial Assurance and Recordkeeping for Decommissioning*" and may be subject to inspection by NRC, until The Curators of the University of Missouri's license has been terminated.

Please review the enclosed document carefully and be sure that you understand all conditions. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region III office at 630-829-9887 so that we can provide appropriate corrections and answers.

If you have specific questions concerning the decommissioning process or the requirements for the decommissioning of your facility, you may contact Michael LaFranzo of the Materials Control, ISFSI, and Decommissioning Branch at 630-829-9865.

An environmental assessment for this action is not required, since this action is categorically excluded under 10 CFR 51.22(c)(14) and (20).

The NRC's Safety Culture Policy Statement became effective in June 2011. While a policy statement and not a regulation, it sets forth the agency's *expectations* for individuals and organizations to establish and maintain a positive safety culture. You can access the policy statement and supporting material that may benefit your organization on NRC's safety culture website at <http://www.nrc.gov/about-nrc/regulatory/enforcement/safety-culture.html>. We strongly encourage you to review this material and adapt it to your particular needs in order to develop and maintain a positive safety culture as you engage in NRC-regulated activities.

NRC's Regulatory Issue Summary (RIS) 2005-31 provides criteria to identify security-related sensitive information and guidance for handling and marking of such documents. This ensures that potentially sensitive information is not made publicly available through ADAMS, the NRC's electronic document system. Pursuant to NRC's RIS 2005-31 and in accordance with Title 10 of the *Code of Federal Regulations* (CFR) 2.390, the enclosed license document is exempt from

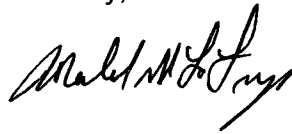
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public disclosure because its disclosure to unauthorized individuals could present a security vulnerability. The RIS may be located on the NRC's website at: <http://www.nrc.gov/reading-rm/doc-collections/gen-comm/reg-issues/2005/ri200531.pdf> and the link for frequently asked questions regarding protection of security related sensitive information may be located at: <http://www.nrc.gov/reading-rm/sensitive-info/faq.html>.

In accordance with 10 CFR Part 2.390 of the NRC's "Rules of Practice," a copy of this letter will be available electronically for public inspection in the NRC's Public Document Room or from the NRC's Agencywide Documents Access and Management System (ADAMS), accessible from the NRC's website at <http://www.nrc.gov/reading-rm/adams.html>.

Sincerely,



Michael M. LaFranzo,  
Senior Health Physicist  
Materials Control, ISFSI, and  
Decommissioning Branch  
Division of Nuclear Materials Safety

Docket No. 030-02278  
License No. 24-00513-32  
Mail Control No. 586693

Enclosure: Amendment No. 114