

TRIP REPORT

DATE OF TRIP: May 1, 2018

MEMORANDUM TO: The Curators of the University of Missouri File

LOCATION: The Curators of the University of Missouri
Environmental Health & Safety
900 E. Stadium Blvd.
Columbia, Missouri 65211

LICENSE NO.: 24-00513-32

DOCKET NO.: 030-02278

CONTROL NO.: 586692

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PURPOSE: **TO DISCUSS: 1) ADDITIONAL INFORMATION REQUIRED TO CONTINUE AMENDMENT REVIEW OF PICKARD HALL CHARACTERIZATION; 2) DECOMMISSIONING STATUS OF #8 RESEARCH AND DEVELOPMENT BUILDING; AND 3) DECOMMISSIONING STATUS OF SOUTH FARM BURIAL SITE**

BACKGROUND: 1) Pickard Hall:

On October 5, 2017, the NRC visited the licensee's facility and discussed Characterization Plans for Pickard Hall. In the documented NRC Trip Report (ML17283A195), NRC requested

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the licensee respond to several areas associated with the licensee's Characterization Plan. On March 23, 2018, the licensee provided NRC responses from the October 5, 2017 meeting (ML18086B019).

2) #8 Research and Development Building and storage building:

On March 3, 2018, the licensee provided required notification for the decommissioning of #8 Research and Development building which included a small radioactive material storage building close by. The licensee had also provided a copy of radiological surveys and a Historical Site Assessment.

3) South Farm Burial Site:

In a letter dated, March 25, 2016 (ML16092A340), the licensee requested that South Farm burial site be added to its broad scope license.

On June 20, 2016, Amendment 114 of License No. 24-00513-32 (ML16172A234) listed South Farm as a location where licensed material may be stored incident to decommissioning activities.

DISCUSSION:

1) Pickard Hall:

The NRC discussed the licensee's response and provided comments that additional description of radiological airborne controls and monitoring was needed including further elaboration of the licensee's audit program including, but not limited to, quality assurance and quality control monitoring efforts of the contractor while performing work with licensed material.

The licensee also informed the NRC that the licensee was anticipating to request an alternate disposal option pursuant to 10 CFR 20.2002.

2) #8 Research and Development Building and storage building:

During the site visit, the NRC walked down the #8 Research and Development Building and storage building. A small quantity of alpha contamination was noted in one of two below ground storage concrete lined pits. The rest of the building contained limited concentrations of tritium and Carbon-14 contamination.

During a telephonic conference call on May 8, 2018, the NRC discussed with the licensee the verification that no alpha emitting radionuclides were used or stored in the #8 Research and Development Building.

3) South Farm Burial Site:

During the site visit, the licensee provided data that a small quantity of licensed material was buried within the South Farm Burial Site. In addition, the licensee indicated that they would use the Sinclair Farm regulatory pathway as a similar methodology to request the release the South Farm Burial Site from the NRC license.

CONCLUSION:

1) Pickard Hall:

The licensee committed to provide NRC an updated Characterization Plan within approximately 90 days of the site visit – August 1, 2018 - and an alternate disposal request pursuant to 10 CFR 20.2002 within approximately 30 days of the site visit – June 1, 2018.

2) #8 Research and Development Building and storage building:

The licensee committed to provide the NRC a radiological airborne and remediation dose assessment within 90 days of the site visit – August 1, 2018 – which will assist in addressing whether a decommissioning plan is required pursuant to 10 CFR 30.36 for remediation and the unrestricted release of the #8 Research and Development Building and storage building.

3) South Farm Burial Site:

The licensee committed to provide the NRC a radiological characterization of the South Farm Burial Site to show that the site can be released for radiological unrestricted use within 180 days of the site visit - December 1, 2018.

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