



CONVERSATION RECORD

7/9/15

NAME OF PERSON(S) CONTACTED OR IN CONTACT WITH YOU

Todd Hout - Director; Jack Crawford - RSO; Felicity Bechfield - Assistant

DATE OF CONTACT

07/02/2015

TYPE OF CONVERSATION

☐ E-MAIL☒ TELEPHONE☐ INCOMING☒ OUTGOING

E-MAIL ADDRESS

Crawford, Jack <crawfordw@missouri.edu>

TELEPHONE NUMBER

(314) 882-0931

ORGANIZATION

University of Missouri

DOCKET NUMBER(S)

030-02278

LICENSE NUMBER(S)

24-00513-32

CONTROL NUMBER(S)

586692

SUBJECT

Technical Discussions of Pickard Hall Site Characterization Plan submittal (ML15106A640)

SUMMARY

Additional Attendees:

David Culp - Chase Environmental Representative

Dustin Miller - Chase Environmental Representative

NRC Attendees:

Michael LaFranzo - Senior Health Physicist

Dr. Peter Lee, CHP

Daniel Strohmeyer, CHP

During NRC's review of the Pickard Hall Site Characterization Plan, the NRC had several technical questions/comments. The questions/comments and the licensee's response are documented below:

Continue on Page 2

ACTION REQUIRED (IF ANY)

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

Continue on Page 3

NAME OF PERSON DOCUMENTING CONVERSATION

Michael LaFranzo, Senior Health Physicist

SIGNATURE

CONVERSATION RECORD (continued)

SUMMARY: (Continued from page 1)

1. The NRC requested further information regarding licensee ventilation systems concerning dose reduction of licensee personnel and the public. The licensee indicated that negative pressure and a HEPA filtration system would be used to limit airborne concentration. The NRC requested that the clarifying information be provided in writing for NRC review.
2. The NRC requested additional information on the use of Lapel air sampling. Specifically, the licensee did not provide a sufficient amount of information to properly identify DAC's of certain nuclides. The NRC requested the including of a demonstration that the MDC will meet the DAC and effluent release concentration. The licensee indicated they would respond with additional information concerning airborne MDC and other pertinent information associated with dose assessment of workers.
3. The NRC requested additional information on the licensee's Radon air sampling program. The licensee indicated that they would provide NRC sampling procedures concerning the Radon air sampling program.
4. The NRC requested additional information concerning the licensee's procedures to remove of subsurface contaminated drain lines. The licensee indicated that they would provide NRC with additional information concerning the removal of subsurface contaminated drain lines.
5. The NRC requested additional information concerning procedures for characterizing drain lines extended beyond Pickard Hall, including the discharging area, such as the manholes. The licensee indicated they would provide NRC with the requested additional information.
6. The NRC requested additional justification for subsurface sampling locations outside of Pickard Hall. The licensee indicated they would provide NRC with the requested information.
7. The NRC requested the licensee provide justification for scans of core samples taken that would be analyzed by a laboratory. The licensee indicated that the wording within the Characterization Plan was not as intended and would provide NRC clarification of the intent.
8. The NRC requested procedures concerning original building ventilation duct contamination surveys associated with the previous radium extraction process. The licensee indicated they would provide the procedures as requested.
9. The licensee provided a Clearance of Material criteria as stated in Table 1 of ANSI/HPS N13.12-2013 referenced in the Characterization Plan. The NRC referred the licensee to Regulatory Guide 1.86. The licensee indicated they would look into the issue and get back to the NRC with such a criteria.
10. The NRC requested additional information regarding disposal of radiologically contaminated waste, including potential mixed waste (lead and asbestos contaminated materials). The licensee indicated that additional information on disposal of contaminated waste would be provided to NRC.
11. The NRC requested additional clarification of how the licensee plans to address radiological contours and profiles needed for volumetric soil contamination. The licensee indicated they would provide additional information regarding the requested information.
12. The NRC requested clarification regarding background variations and non-licensed radiological material (e.g.: natural occurring material in granite) and how that information would be incorporated into the Characterization Plan. The licensee indicated they would provide additional clarification regarding naturally occurring/non-NRC licensed radioactive material.