

Roldan, Lizette

From: Roldan, Lizette
Sent: Friday, July 05, 2013 4:41 PM
To: 'Lindigrin, John A ERDC-SO-MS'; 'john.a.lindigrin@erdc.usace.army.mil'
Subject: REQUEST FOR ADDITIONAL INFORMATION REGARDING RENEWAL CONTROL 579802

License No: 23-01544-10
Docket No: 030-05062
Mail Control: 579802

Dear Mr. Lindigrin:

The Nuclear Regulatory Commission (NRC) has reviewed your response for additional information received April 22, 2013 of the renewal request for NRC License 50-29059-01 dated January 16, 2013 and additional information is needed to complete the review process:

1. Request to use the radioactive material in temporary job sites. Keep in mind that the temporary jobsite under the NRC license only allows you to perform the activities licensed in your NRC license, in NRC jurisdiction, including exclusive federal jurisdiction. If you are going to perform work outside of NRC jurisdiction you have to either possess a radioactive material license with that state for research and development or file for reciprocity with that state.
2. In your application you state that you will allow the disposal of liquids into the sanitary sewage only for material with half-life of 100 days or less. Please describe the method you will use for the solid waste in accordance with 10 CFR 20.2001 (e.g., decay in storage for radioactive material with half life less than 120 days, transfer to authorized recipient, short lived vs. long lived material).
3. Provide a statement: "We reserve the right to upgrade our survey instruments as necessary as long as they are adequate to measure the type and level of radiation for which they are used."
4. Please confirm there will be no release to the environment during the conduct of the DU penetrations experiments.
5. Enclosure 15 to Enclosure 1, page 3 states "NRC license amendments can take up to 2 months." Just for clarification, NRC license amendments can take up to 90 days to be completed.

We will continue our review upon receipt of this information. Please reply to my attention at the Region IV Office and refer to Mail Control No. 579802 when providing your response. The response should be in the form of a letter and must be signed by you. You may attach the letter to an email as a PDF. If you have any technical questions regarding this deficiency letter, please call me at (817) 200-1596. Please provide the information by July 17, 2013.

Thank you for your cooperation.

Sincerely,

Lizette Roldán-Otero, Ph.D.

Health Physicist
U.S. Nuclear Regulatory Commission
1600 E. Lamar Blvd.
Arlington, TX 76011-4511
Office: 817-200-1596
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PUBLIC

- ☐ Immediate Release
☒ Normal Release

NON-PUBLIC

- ☐ A.3 Sensitive-Security Related
☐ A.7 Sensitive Internal
☐ Other: _____

Reviewer: fwl Date: 07/17/13



DEPARTMENT OF THE ARMY
ENGINEER RESEARCH AND DEVELOPMENT CENTER, CORPS OF ENGINEERS
WATERWAYS EXPERIMENT STATION, 3909 HALLS FERRY ROAD
VICKSBURG, MISSISSIPPI 39180-6199

July 17, 2013

Safety and Environmental
Management Office

Lizette Roldan-Otero, Ph.D.
United States Nuclear Regulatory Commission, Region IV
1600 East Lamar Boulevard
Arlington, Texas 76011-4511

Dear Dr. Roldan-Otero:

Reference is made to Mail Control No. 579802 and our application dated January 16, 2013 for renewal of NRC License 23-01544-10.

The additional information you requested is below:

a. All research involving licensed material will be conducted at the ERDC, WES, 3909 Halls Ferry Road, Vicksburg, MS 39180. If ERDC should have a reason to use licensed material outside the NRC jurisdiction it will file for reciprocity with that state.

b. We are not presently or have plans in the future to dispose of radioactive liquids with a half-life of 100 days or less into a sanitary sewer. The local municipality will not allow us to dispose of any radioactive liquids into the sanitary sewer. If the local municipality does change their policy and allow us to dispose of radioactive liquids into the sanitary sewer, ERDC will only dispose of radioactive liquids with a half-life of 100 days or less. Solid radioactive waste with a short half-life will be disposed of in the same manner as our other solid radioactive wastes.

c. The ERDC, WES, reserves the right to upgrade our survey instruments as necessary as long as they are adequate to measure the type and level of radiation for which they are used. The ERDC, WES, requests the frequency of calibration for our instruments be annually.

d. Our research will not involve the firing of DU penetrators or burying DU penetrators underground. Tests will be conducted with DU penetrators suspended above the ground. Sensors will be positioned above the suspended penetrators. Section 10, Radiation Safety Program, paragraphs (q.)(3), (q.)(7)(b.), and Appendix D-12 of our application state our research will not involve any release of radioactive material into the environment.

If you have any questions, please let me know. You may email me at John.A.Lindigrin@usace.army.mil or call me at (601)634-2401.

Sincerely,

John A. Lindigrin
Radiation Safety Officer
Engineer Research and Development Center
Waterways Experiment Station