



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION IV  
1600 E LAMAR BLVD  
ARLINGTON, TX 76011-4511

## EMAIL



**Name:** James B. Paces License: 05-01399-08  
**Organization:** U.S. Department of the Interior Docket: 030-03728  
U.S. Geological Survey Control: 585882  
**E-mail Address:** jbpaces@usgs.gov  
**From:** Jacqueline D. Cook  
**Date:** July 19, 2015  
**Subject:** Application dated January 27, 2015 for License Renewal  
**Pages:**

Mr. Paces:

Per your application dated January 27, 2015, the items on the next pages are deficiencies which require your response. **I apologize for the short notice but if you can respond to this e-mail by Thursday, July 23, 2015, it will be greatly appreciated.** Our fax number is (817) 200-1263. You may respond by e-mail in pdf format if you'd like. My email address is [Jackie.Cook@nrc.gov](mailto:Jackie.Cook@nrc.gov). When responding to this e-mail, please include the license, docket and control numbers located at the top of this page.

Please note that I used NUREG-1556, Volume 11, "Consolidated Guidance About Materials Licenses: Program-Specific Guidance About Licenses of Broad Scope", dated April 1999. Please use this guidance when responding to the deficiencies on the following pages. (<http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1556/v11/>).

Thanking you in advance for your cooperation, assistance, and prompt response in this matter.

/RA/  
Jacqueline D. Cook  
Senior Health Physicist

**PUBLIC**

- ☐ Immediate Release  
☒ Normal Release

**NON-PUBLIC**

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

Reviewer: \_\_\_\_\_

Date: 7/19/15

1. Please note that Item 1 of the license (License No. 05-01399-08) lists the licensee as U.S. Department of the Interior, U.S. Geological Survey; however, Item 2 of NRC Form 313 dated January 27, 2015, specifies the licensee as U.S. Geological Survey. Please explain this discrepancy.
2. Please specify the manufacturer and model for Item 7.E. of your license (License No. 05-01399-08).
3.
  - A. Please clarify the address of license condition (LC) 10.A. (ii) – is it 6595 N.E. 65<sup>th</sup> Street, as specified on the license or 6505 as specified in the renewal application dated January 27, 2015.
  - B. Please clarify the address of LC 10.A. (iii) – is it USGS, Idaho National Laboratory as specified on the license or USGS, INEEL as specified in the renewal application dated January 27, 2015.
  - C. Please confirm if LC 10.A. (x) should include “Stephenson Center” as specified in the application dated January 27, 2015.
  - D. Please confirm if LC 10.A. (xi) should include “California Water Science Center” as specified in the application dated January 27, 2015.
  - E. Please confirm if LC 10.A. (xiv) should include “Pacific Coastal and Marine Science Center” as specified in the application dated January 27, 2015.
4. Please expand Item 7.2, Pages 8-11 of 85 of your renewal application dated January 27, 2015 to include the following:
  - Taking appropriate actions when noncompliance is identified, including analysis of the cause, corrective actions, and actions to prevent recurrence.
  - A description of the process for procedure and program review and approval, including documentation of the specific change. At a minimum, documentation shall state the reason for the change and summarize the radiation safety matters that were considered prior to approval of the change.

PUBLIC

- ☐ Immediate Release  
☒ Normal Release

NON-PUBLIC

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

Reviewer: JP Date: 7/9/15

5. A. Please expand Item 9.2, page 16-85 of your renewal application dated January 27, 2015 to include the following:
- Sample diagrams should be provided for each classification scheme
- B. Please expand Item 9, pages 14-17 of your renewal application dated January 27, 2015 to include the following:
- When reviewing facilities where radioactive materials may become airborne, sample diagrams should take into consideration description of the ventilation systems, including pertinent airflow rates, pressures, filtration equipment and monitoring systems.

**PUBLIC**

- ☐ Immediate Release  
☒ Normal Release

**NON-PUBLIC**

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

Reviewer: JP Date: 2/19/15