

LES-22-071-NRC

5/23/2022



ATTN: Document Control Desk  
Director  
Office of Nuclear Material Safety and Safeguards  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

Louisiana Energy Services, LLC  
NRC Docket No. 70-3103

Subject: 10 CFR 70.50(c)(2), 30 Day Report

On April 27th, 2022, Louisiana Energy Services (LES), dba Urenco USA (UUSA), made an Event Notification to the Nuclear Regulatory Commission (NRC) Operations Center in accordance with 10 CFR 70 App A(a)(4). This notification reported a spill in the Liquid Effluent Collection and Transfer System (LECTS) room. Event Notification 55861 details this occurrence.

As required by 10 CFR 70.50(c)(2), *Twenty-four Hour Reports* will be supplemented within 30 days with the information of 10 CFR 70.50(c)(1), Enclosure 1 provides the written follow-up report within 30 days of the initial report.

Should there be any questions concerning this submittal, please contact Chris Schwarz, Licensing and Performance Assessment Manager, at 575-394-5783.

Respectfully,

**Wyatt Padgett** Digitally signed by Wyatt Padgett  
Date: 2022.05.22 20:55:37 -06'00'

Wyatt Padgett  
Compliance Manager

Enclosure: 10 CFR 70.50(c)(2) 30 Day Report

IE72  
NM5520  
NM55

LES-22-071-NRC

CC:

U.S. Nuclear Regulatory Commission, Region II  
245 Peachtree Center Avenue, NE.  
Suite 1200  
Atlanta, GA 30303-1257  
[RidsRgn2MailCenter@NRC.gov](mailto:RidsRgn2MailCenter@NRC.gov)

Jacob Zimmerman, Fuel Facility Licensing Branch Chief  
U.S. Nuclear Regulatory Commission  
[Jacob.Zimmerman@NRC.gov](mailto:Jacob.Zimmerman@NRC.gov)

Matt Bartlett, Senior Project Manager  
U.S. Nuclear Regulatory Commission  
[Matthew.Bartlett@nrc.gov](mailto:Matthew.Bartlett@nrc.gov)

Robert Williams, Region II, Projects Branch 1, Chief  
U.S. Nuclear Regulatory Commission  
[Robert.Williams@nrc.gov](mailto:Robert.Williams@nrc.gov)

**Enclosure 1**

**10 CFR 70.50 (c)(2) 30 Day Report**

10 CFR 70.50(c)(1)

(i) Caller's name, position title, and call-back telephone number;

- The individual who facilitated Event Notification (EN) 55861 was Barry Love, Licensing Specialist. The call-back telephone number for Barry Love is 575-394-4482.

(ii) Date, time, and exact location of the event;

- The NRC Event Notification was submitted on April 27th, 2022. The discrepancy reported in EN 55861 was identified at approximately 07:55 MST on November Feb 28<sup>th</sup>, 2022. The location of this event was at Urenco USA in Eunice, New Mexico (Lea County). The affected area within the UUSA facility in the Cylinder Receipt and Dispatch Building (CRDB) on the floor of the Liquid Effluent Collection and Transfer System (LECTS) room. This event was reported based on an NRC inspection findings during a site inspection conducted March 21st through the 24<sup>th</sup>.

(iii) Description of the event:

- On February 28, 2022, water was discovered on the floor of the Liquid Effluent Collection and Transfer System (LECTS) room. The water was leaking from the slab tanks berm into the non-Radiological Controlled Area floor. The area was conservatively and promptly roped off and signage was posted. Radiological readings in the area were taken and found to be less than background and the spill was cleaned up that day.
- NRC Region II re-exited an inspection on April 26, 2022 from an inspection which was conducted March 21st through the 24th. During this exit, an event was reclassified as a Non-Cited Violation for failure to report an event. As a result, UUSA is reporting this event as a 24-hour Report per the NRC's inspection and reviewed historical events as part of an extent of condition.
- As a result of, of this Extent of Condition review, several historical examples of unplanned contamination events where URENCO USA implemented conservative actions restricting access that were not reported under 10 CFR 70.50(b)(1) as required by regulation. URENCO USA is conservatively reporting these events as they are similar to the original, EV149668. These events occurred on March 3rd, 2016 (EV 111023), April 14th, 2016 (EV 1129221), August 4th, 2016 (EV 113877), December 7th, 2016 (EV 116283), February 23rd, 2017 (EV 117238), November 24th, 2019 (EV 136211), November 29th, 2021 (EV 148894), February 28th, 2022 (EV 149668), and April 14th, 2022 (EV 151253). These events have been investigated and corrected during the approximate time period in which they were identified.

- (A) Radiological or chemical hazards involved, including isotopes, quantities, and chemical and physical form of any material released;
- The radiological hazard was confined to the LECTS room and has been cleaned up and decontaminated.
  - There were no chemical hazards involved and no release occurred from the site.
- (B) Actual or potential health and safety consequences to the workers, the public, and the environment, including relevant chemical and radiation data for actual personnel exposures to radiation or radioactive materials or hazardous chemicals produced from licensed materials (e.g., level of radiation exposure, concentration of chemicals, and duration of exposure);
- There were no actual or potential health or safety consequences to workers, the public, or the environment. No unexpected exposure to radioactive materials or hazardous chemicals produced from licensed materials occurred. During the time period in which the water was on the floor of the LECTS room, no personnel contamination events were reported, no airborne alarms were received and no excess radiation exposures occurred.
- (C) The sequence of occurrences leading to the event, including degradation or failure of structures, systems, equipment, components, and activities of personnel relied on to prevent potential accidents or mitigate their consequences; and
- When the slab tank pump failed, the liquid filled up the berm. This water then leaked past the berm onto the non-RCA floor through cracks in the berm. This spill was then discovered and reported by Security on tour at 0735 on February 28, 2022. The Radiation Protection Supervisor and Recycling Supervisor were informed. The area in the LECTS Room was promptly roped off and signage posted on the LECTS Room Door. All personnel near area completed personnel monitoring. Radiological readings in the area were taken and found to be less than background.
- (D) Whether the remaining structures, systems, equipment, components, and activities of personnel relied on to prevent potential accidents or mitigate their consequences are available and reliable to perform their function;
- The structures, systems, equipment, components, and activities in the unaffected areas remain available and reliable to perform their function. Air monitoring and contamination monitoring was available during the spill. No personnel were contaminated and no contamination was released into the environment.
- (iv) External conditions affecting the event;
- No external conditions affected this event.

(v) Additional actions taken by the licensee in response to the event;

- The condition has been entered into UUSA's accredited Corrective Action Program as EV 149668 and EV 149975. Causal analyses are being conducted in accordance with UUSA's accredited Corrective Action Program.

(vi) Status of the event (e.g., whether the event is on-going or was terminated);

- The event is not considered to be on-going as the spill has been cleaned up and postings removed.

(vii) Current and planned site status, including any declared emergency class;

- No change in site emergency status occurred or will occur in response to this event.

(viii) Notifications, related to the event, that were made or are planned to any local, State, or other Federal agencies;

- No notifications to local, State, or Federal agencies occurred or are planned for this event.

(ix) Status of any press releases, related to the event, that were made or are planned.

- UUSA provided a statement to the press on May 19<sup>th</sup> 2022 concerning the LECTS Room event..

10 CFR 70.50(c)(2)

(ii) The probable cause of the event, including all factors that contributed to the event and the manufacturer and model number (if applicable) of any equipment that failed or malfunctioned;

- The probable cause of the event is a leak in the Slab Tanks pump failed and liquid leaked through the berm through cracks that had previously been patched. The material used to fill the cracks is not entirely intact and allowed the liquid to seep through.

(iii) Corrective actions taken or planned to prevent occurrence of similar or identical events in the future and the results of any evaluations or assessments; and

- Additional repairs to the berm are planned. UUSA Engineering is currently determining the best repair method and tracking this issue as AC 167990 in the Corrective Action Program.

(iv) For licensees subject to Subpart H of this part, whether the event was identified and evaluated in the Integrated Safety Analysis.

- The UUSA Integrated Safety Analysis Summary (ISAS), Table 3.7-1 Accident Sequence and Risk Index and Table 3.7-3, External Events and Fire Accident Sequences and Risk Index list the potential accident sequences that were identified that could have consequences that exceed the performance criteria of 10 CFR 70.61 listed in Subpart H.

LES-22-071-NRC

- A spill from the slab tanks has been analyzed (ISA-MEM-0037 and 51-2400546-01-LES) and was determined to not be a consequence that exceeds the performance requirements of 10 CFR 70.61. Items Relied on For Safety (IROFS) are not necessary to prevent or mitigate spill event sequences as these do not exceed 10 CFR 70.61 criteria.