

FEB 02 2016

LES-16-00017-NRC

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  
License Number: SNM-2010  
NRC Docket Number: 70-3103

Subject: 60 Day Written Follow-up Report for Event Notification 51593

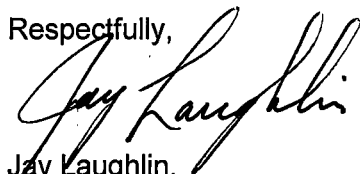
On December 7, 2015 twenty-four hour event notification report 51593 was submitted by Louisiana Energy Services, LLC dba URENCO USA (UUSA), to the NRC Operations Center in accordance with 10 CFR 70.74(a). As required by 10 CFR 70 Appendix A (b), UUSA is providing this letter which contains the 60 day written follow-up to the initial report.

The 10 CFR 70.74 and 10 CFR 70 Appendix A written follow-up reporting requirements are detailed in 10 CFR 70.50(c)(2). Event Notification 51593, Enclosure 1, and the Written Follow-up Report, Enclosure 2, provide responses to these requirements.

As required by the UUSA Corrective Action Program, a Root Cause Evaluation (RCE) of the as-found condition is ongoing. Due to the investigation in progress, the probable cause and corrective actions have not yet been determined. UUSA will provide a supplement to this letter when the RCE is reviewed and approved by senior management; expected by April 8, 2016.

If you have any questions, please contact Salem Thyne, Licensing and Performance Assessment Manager, at 575-394-5252.

Respectfully,



Jay Laughlin,  
Chief Nuclear Officer and Head of Operations

Enclosures: 1. Event Report Notification 51593  
2. Written Follow-up Report

IE72  
NMS5

cc:

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**ENCLOSURE 1**

**Event Report Notification 51593**

NRC Received at 1508 by Jeff Herrera

EN:51593

NRC FORM 361A (8-2010)		U.S. NUCLEAR REGULATORY COMMISSION		LICENSE NUMBER	
<b>FUEL CYCLE AND MATERIALS EVENT NOTIFICATION WORKSHEET</b>				SNM-2010	
REPORT TIME	FACILITY OR ORGANIZATION	NAME OF CALLER	CALL BACK TELEPHONE NO.		
1300	URENCO USA (UUSA)	David Hurd, Shift Manager	(575) 394-6175		
EVENT TIME	EVENT DATE	LOCATION OF EVENT (Include County and State)	PORTION OF PLANT AFFECTED		
1600	12/07/2015	URENCO USA, Eunice NM, (Eddy County)	UBC Storage Pad Crane		
<b>EVENT CLASSIFICATIONS</b>		<b>EVENT TYPES</b>		<b>INCIDENT REPORTS (30.50, 40.60(70.50))</b>	
<input type="checkbox"/> GENERAL EMERGENCY * <input type="checkbox"/> SITE AREA EMERGENCY <input type="checkbox"/> ALERT <input type="checkbox"/> NOTIFICATION OF UNUSUAL EVENT * <input type="checkbox"/> INCIDENT REPORT <input type="checkbox"/> TRANSPORTATION EVENT <input type="checkbox"/> INFORMATION ONLY <input type="checkbox"/> OTHER (Specify)		<input checked="" type="checkbox"/> FUEL CYCLE <input type="checkbox"/> MEDICAL / ACADEMIC <input type="checkbox"/> TRANSPORTATION <input type="checkbox"/> WASTE MANAGEMENT <input type="checkbox"/> INDUSTRIAL / COMMERCIAL <input type="checkbox"/> FOREIGN EVENT <input type="checkbox"/> OTHER (Specify)		<input type="checkbox"/> 20.2201 LOSS / THEFT <input type="checkbox"/> 20.2202 ACTUAL / THREATENED OVEREXPOSURE <input type="checkbox"/> 20.2202 ACTUAL / THREATENED RELEASE <input type="checkbox"/> 21.21 DEFECT / NONCOMPLIANCE <input type="checkbox"/> 26.719 FITNESS FOR DUTY <input type="checkbox"/> 35.3045 MEDICAL EVENT <input type="checkbox"/> 36.83 IRRADIATOR EVENT <input type="checkbox"/> 39.77 RUPTURED WELL LOGGING SOURCE <input type="checkbox"/> 39.77 IRRETRIEVABLE WELL LOGGING SOURCE <input type="checkbox"/> 40.26 TAILINGS / WASTE DAM FAILURE	<input type="checkbox"/> (a) PROTECTIVE ACTION PREVENTED <input type="checkbox"/> (b)(1) UNPLANNED CONTAMINATION <input checked="" type="checkbox"/> (b)(2) SAFETY EQUIPMENT FAILURE <input type="checkbox"/> (b)(3) MEDICAL TREATMENT WITH CONTAMINATION <input type="checkbox"/> (b)(4) FIRE / EXPLOSION <input type="checkbox"/> 70.52 CRITICALITY / SNM LOST <input type="checkbox"/> 70.52 ACTUAL / ATTEMPTED THEFT <input type="checkbox"/> CRITICALITY CONTROL 4-HOUR (BULLETIN 91-01) <input type="checkbox"/> CRITICALITY CONTROL 24-HOUR (BULLETIN 91-01) <input type="checkbox"/> OTHER NON-CFR REQUIREMENT
* ONLY UNDER OLD 1981 ORDER					
NOTIFICATIONS		YES	NO	WILL BE	
NRC REGION?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
STATE?		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
LOCAL?		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
OTHER GOVERNMENT AGENCIES?		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
PRESS RELEASE?		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
ANYTHING UNUSUAL OR NOT UNDERSTOOD?		<input type="checkbox"/> YES (Explain below)		<input checked="" type="checkbox"/> NO	
DID ALL SYSTEMS FUNCTION AS REQUIRED?		<input checked="" type="checkbox"/> YES		<input type="checkbox"/> NO (Explain below)	
ADDITIONAL INFORMATION ON PAGE 2?		<input checked="" type="checkbox"/> YES		<input type="checkbox"/> NO	
<b>EVENT DESCRIPTION (Continue on Page 2 if necessary)</b>					
<p>Appendix to 10 CFR 70, Paragraph (b)(2)</p> <p><b>Description of the Event:</b>          During unrelated maintenance, it was discovered that the UUSA UBC crane was missing components that are within the IROFS27e, QL1 boundary. These components have been missing since the crane went into operation in early 2015. The IROFS has been declared degraded and is currently inoperable, and in a location where it cannot impact licensed material.</p> <p><b>Radiological or chemical hazards involved, including isotopes, quantities, and chemical and physical form of any material released;</b>          This IROFS is designed to mitigate the consequences of UF6 release, to meet 10 CFR 70.61 performance requirements. No accident occurred. No release occurred.</p> <p><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):</b>          During the period in which the crane was operating in a degraded state, no design basis accidents occurred, thus there are no actual consequences. The crane had been moved to a safe position in order to perform other repairs (away from licensed material), and is locked in place, thereby removing applicability of the IROFS. Thus, there is currently no potential for consequences.</p> <p><b>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:</b>          During unrelated repair activities, it was discovered that the URENCO USA UBC Crane has been in operations since March of 2015 while in a degraded condition. A component within the IROFS QL1 boundary was never installed.</p>					

RADIOLOGICAL / CHEMICAL RELEASES: CHECK OR FILL IN APPLICABLE ITEMS							
ISOTOPE	ACTIVITY	PHYSICAL FORM	CHEMICAL FORM		STACK	LIQUID EFFLUENT	OTHER
N/A	N/A	N/A	N/A	MONITOR READING	N/A	N/A	N/A
N/A	N/A	N/A	N/A	ALARM SETPOINT	N/A	N/A	N/A
N/A	N/A	N/A	N/A				
<input type="checkbox"/> ONGOING RELEASE <input type="checkbox"/> TERMINATED RELEASE <input type="checkbox"/> OFFSITE RELEASE <input type="checkbox"/> ONSITE AREAS EVACUATED <input type="checkbox"/> OFFSITE PROTECTIVE ACTION RECOMMENDED		PERSONNEL EXPOSURE / CONTAMINATION DATA					
		NUMBER OF PERSONNEL EXPOSED: None			NUMBER OF PERSONNEL CONTAMINATED: None		
		MAXIMUM EXTERNAL DOSE: N/A			MAXIMUM EXTERNAL LEVEL: N/A		
		MAXIMUM INTERNAL DOSE: N/A			MAXIMUM INTERNAL LEVEL: N/A		
		CRITICAL ORGAN (if known): N/A			CRITICAL ORGAN (if known): N/A		
DEGRADED CRITICALITY SAFETY CONTROLS FOR ACCIDENT SCENARIO(S) (BULLETIN 91-01)							
<input type="checkbox"/> ALL CONTROLS LOST <input type="checkbox"/> ALL BUT SINGLE CONTROLS LOST <input type="checkbox"/> DEFICIENT SAFETY ANALYSIS <input type="checkbox"/> SAFETY SIGNIFICANCE UNKNOWN <input type="checkbox"/> >45% MINIMUM CRITICAL MASS PRESENT OR READILY AVAILABLE							
NUMBER AND TYPES OF CONTROLS NECESSARY UNDER NORMAL OPERATING CONDITIONS							
NUMBER AND TYPES OF CONTROLS WHICH FUNCTIONED PROPERLY UNDER UPSET CONDITIONS							
NUMBER AND TYPES OF CONTROLS NECESSARY TO RESTORE A SAFE SITUATION							
SAFETY SIGNIFICANCE OF EVENTS							
No Event Occurred							
SAFETY EQUIPMENT STATUS							
IROFS has been declared degraded and inoperable							
STATUS OF CORRECTIVE ACTIONS							
Condition has been entered into facility's Corrective Action Program							
EVENT DESCRIPTION (Continued)							
<p>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;</p> <p>This is a sole IROFS to mitigate consequences. There are no other IROFS in place to support this function. Currently there is no analysis available to support the ability of the degraded IROFS to perform its safety function.</p> <p>External conditions affecting the event:</p> <p>There were no design basis external events during operation of the crane, nor do any currently exist.</p> <p>Additional actions taken by the licensee in response to the event:</p> <p>The UBC Crane was already locked out for ongoing corrective maintenance. The lockout remains active, and the IROFS is now declared inoperable. The condition was entered into UUSA's Correcting Action Program for Evaluation and Corrective Actions.</p> <p>Status of the event (e.g., whether the event is on-going or was terminated):</p> <p>The degraded IROFS has been declared inoperable. No <del>have</del> accident sequences occurred.</p> <p>Current and planned site status, including any declared emergency class:</p> <p>The plant did not enter an emergency classification, nor is one planned.</p> <p>Notifications, related to the event, that were made or are planned to any local, State, or other Federal agencies; Status of any press releases, related to the event, that were made or are planned:</p> <p>There are no planned notifications other than this event notification to the NRC Operations Center.</p>							

**ENCLOSURE 2**

**Written Follow-up Report**

Written Follow-up Report

- I. Applicable information required by 10 CFR 70.50(c)(2)
  - a. 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 malfunctions is provided below:
    - i. A Root Cause Evaluation (RCE) team has been chartered and is currently investigating potential causes of the identified condition. Upon completion of management review and approval of the RCE, UUSA will provide a supplement to this written report, including the information required in 10 CFR 70.50(c)(2); expected April 8, 2016.
  - b. Corrective actions taken or planned to prevent occurrence of similar or identical events in the future and the results of any evaluations or assessments are:
    - i. A Root Cause Evaluation (RCE) team has been chartered and is currently investigating potential causes of the identified condition. Upon completion of management review and approval and corrective actions, UUSA will provide a supplement to this written report, including the information required in 10 CFR 70.50(c)(2); expected April 8, 2016.
  - c. UUSA is subject to Subpart H of 10 CFR 70; therefore, a discussion of whether the condition was identified and evaluated in the Integrated Safety Analysis (ISA) is provided below:
    - i. The degraded IROFS was identified in the UUSA ISA as a safety control to prevent occurrence of an accident sequence caused by credible seismic events.