



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
REGION II
245 PEACHTREE CENTER AVENUE NE, SUITE 1200
ATLANTA, GEORGIA 30303-1257

[
October 28, 2015

EN 50938

Gary J. Laughlin, Chief Nuclear Officer
and Head of Operations
URENCO USA
P.O. Box 1789
Eunice, NM 88231

**SUBJECT: LOUISIANA ENERGY SERVICES, URENCO USA FACILITY – NUCLEAR
REGULATORY COMMISSION INTEGRATED INSPECTION REPORT NUMBER
70-3103/2015-004**

Dear Mr. Laughlin:

This refers to the inspections conducted during the third quarter of calendar year 2015 at the Louisiana Energy Services (LES), URENCO USA facility, located in Eunice, New Mexico. The purpose of the inspections was to determine whether activities authorized under the license were conducted safely and in accordance with Nuclear Regulatory Commission (NRC) requirements. The enclosed report presents the results of the inspections. The findings were discussed with members of your staff at exit meetings held on August 27 and September 24, 2015, for this integrated inspection report.

During the inspections, the NRC staff examined activities conducted under your license as they related to public health and safety to confirm compliance with the Commission's rules and regulations and with the conditions of your license. Areas examined during the inspections are identified in the enclosed report. Within these areas, the inspections consisted of selected examination of procedures and representative records, observations of activities, and interviews with personnel.

The inspections covered the following areas; Operational Readiness Reviews, Radiation Protection, Environmental Protection, Transportation of Radioactive Material, and Fire Protection. No findings of significance were identified.

In accordance with Title 10 of the Code of Federal Regulations (10 CFR) Section 2.390 of the NRC's "Rules of Practice," a copy of this letter and enclosure will be made available electronically for public inspection in the NRC Public Document Room or from the NRC's document system (ADAMS), accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>.

G. Laughlin

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Should you have any questions concerning the inspections, please contact us.

Sincerely,

/RA/

Marvin D. Sykes, Chief
Projects Branch 1
Division of Fuel Facility Inspection

Docket No. 70-3103
License No. SNM-2010

Enclosure:
NRC Inspection Report No. 70-3103/2015-004
w/Attachment: Supplementary Information

cc: (See page 3)

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cc: (See page 3)

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 ADAMS: Yes ACCESSION NUMBER: ML15301A020 SUNSI REVIEW COMPLETE FORM 665 ATTACHED

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U. S. NUCLEAR REGULATORY COMMISSION
REGION II

Docket No: 70-3103

License: SNM-2010

Report No: 70-3103/2015-004

Licensee: Louisiana Energy Services, L.L.C. (LES)

Facility: URENCO USA, National Enrichment Facility (NEF)

Location: Eunice, NM 88231

Inspection Dates: July 1 through September 30, 2015

Inspectors: D. Anderson, Fuel Facility Inspector, DFFI (Paragraphs A.1, D.1)
R. Gibson, Jr., Senior Fuel Facility Inspector, DFFI (Paragraph B.2)
G. Goff, Fuel Facility Inspector, DFFI (Paragraph B.3)
K. Kirchbaum, Fuel Facility Inspector, DFFI (Paragraph A.1)
N. Morgan, Fuel Facility Inspector (training), DFFI (Paragraphs B.1-B.3)
N. Pitoniak, Fuel Facility Inspector, DFFI (Paragraph A.1)
C. Read, Fuel Facility Inspector, DFFI (Paragraphs A.1, A.2)
P. Startz, Fuel Facility Inspector, DFFI (Paragraph B.1)

Approved by: M. Sykes, Chief
Projects Branch 1
Division of Fuel Facility Inspection

Enclosure

EXECUTIVE SUMMARY

Louisiana Energy Services, L.L.C., (LES), URENCO USA (UUSA)
NRC Integrated Inspection Report 70-3103/2015-004
July 1 through September 30, 2015

This is a quarterly integrated inspection report that documents announced, routine inspections that were conducted by Nuclear Regulatory Commission (NRC) regional inspectors during normal shifts in the areas of safety operations and radiological controls. The inspectors performed a selective examination of licensee activities that were accomplished by direct observation of safety-significant activities and equipment, tours of the facility, interviews and discussions with licensee personnel, and a review of facility records.

Safety Operations

- The fire protection systems were adequately maintained in accordance with site procedures. No violations of NRC regulations were identified with regard to the site's fire protection program. (Paragraph A.1)
- The inspectors determined that Item Relied On For Safety (IROFS) C23 was properly implemented for Cascades 5.9, 5.10, and 6.1 in order to perform its intended safety function. (Paragraph A.2)

Radiological Controls

- The Radiation Protection program was implemented in accordance with the license application and regulatory requirements. (Paragraph B.1)
- The licensee's effluent control and environmental protection program was adequately implemented to satisfy license requirements and procedures. (Paragraph B.2)
- Shipments of radioactive materials were received and handled in accordance with applicable regulations and plant procedures. Certificates of compliance were adequate and maintained current. Shipping records were accurately completed and maintained in accordance with applicable regulations. (Paragraph B.3)

Special Topics

- Event Notification (EN) 50938 was closed after NRC review of licensee analyses and walkdowns of the sample cylinder storage areas. No violations of NRC requirements were identified. (Paragraph D.1)

Attachment

Key Points of Contact
List of Items Opened, Closed, and Discussed
Inspection Procedures Used
Documents Reviewed

REPORT DETAILS

Summary of Plant Status

The Louisiana Energy Services (LES), URENCO USA Facility, enriches uranium hexafluoride (UF₆) for the fabrication of low-enriched fuel assemblies used in commercial light water reactors. During the inspection period, normal production activities were ongoing. Construction and testing in some areas of Separation Building Module (SBM) 1005 and other applicable process areas continued in preparation for future operation of additional cascades and equipment.

A. Safety Operations

1. Fire Protection Triennial (Inspection Procedure (IP) 88054)

a. Inspection Scope and Observations

The inspectors reviewed licensee programs, procedures, surveillances, maintenance, functional tests, drawings, and corrective action reports for the fire protection system to ensure that designated programs met license requirements and were adequate to preclude or mitigate the consequences of a fire.

The inspectors toured plant areas containing safety controls and items relied on for safety (IROFS) to assess the material condition of fire protection equipment, systems, and features. Fire equipment locations were compared to the area Pre-Incident Plan to verify equipment locations as per required codes. The inspectors verified that flammable materials were stored in marked cabinets as specified in approved procedures and that housekeeping and the control of combustible materials were adequate and consistent with the approved procedures. Building exterior fire barriers were also inspected to ensure barrier integrity and verify no combustible storage in the areas.

The inspectors reviewed records and interviewed licensee personnel to verify that the observed fire protection systems were maintained in an adequate state of readiness and had been properly tested to verify their ability to perform their safety function. The inspectors determined that the fire pumps, fire dampers, doors, and penetration seals were being maintained in a condition that would ensure they were available and reliable to perform their safety function. Also, the inspectors determined that fire hoses and portable extinguishers were provided at their designated locations and that access was unobstructed.

The inspectors reviewed the licensee fire protection system out-of-service records and determined that adequate compensatory measures were put in place for out-of-service, degraded, or inoperable fire protection equipment, systems or features.

The inspectors verified that fire brigade training records and qualifications were up to date and members participated in drills at the appropriate frequency. The inspectors verified that Memorandums of Understanding (MOUs) for offsite fire support were in place and renewed/reviewed within the frequency specified in approved procedures.

The inspectors reviewed the licensee corrective action program (CAP) entries for the past 12 months and determined that the licensee identified safety control for IROFS fire protection operability problems at an appropriate threshold and entered them into the CAP.

b. Conclusion

No violations of NRC requirements were identified.

2. Plant Operations (IP 88020) Verification that the systems structures and components designed to support operation of Cascades 5.9, 5.10, and 6.1 met license requirements prior to initiation of feed

a. Inspection Scope and Observations

The inspectors reviewed records associated with the IROFS C23 for the verification of Cascades 5.9, 5.10, and 6.1. The inspectors determined that the design features for IROFS C23 for the TC 21 centrifuges were adequate to minimize releases and were being adequately implemented and properly communicated as described in the Integrated Safety Analysis (ISA) Summary.

The inspectors confirmed that the reviewed passive engineered controls were present and capable of performing their intended safety function. The inspectors reviewed the procedure applicable to the operational validation of IROFS C23 and determined that the procedure was current, reflected the safety controls, and was followed by the operators and technicians.

Through interviews and document reviews, the inspectors verified that the licensee conducted calibration and surveillance activities as required by the ISA Summary and the commercial grade dedication (CGD) process for IROFS C23. The inspectors also reviewed the CGD package for each cascade to verify compliance with applicable procedures and license requirements.

b. Conclusion

No violations of NRC requirements were identified.

B. Radiological Controls

1. Radiation Protection (IP 88030)

a. Inspection Scope and Observations

The inspectors reviewed the 2014 and available 2015 radiation safety committee meeting minutes and the current As Low As Reasonably Achievable (ALARA) program in order to ensure that the program performance was being reviewed, at least annually, to comply with 10 CFR 20.1101. The inspectors interviewed the radiation safety program manager and radiological supervisors and determined that the radiation protection program responsibilities and functions were independent from operations. The inspectors reviewed radiological protection procedures and determined that changes to

these procedures that were made since the last inspection were consistent with regulations and licensee requirements.

The inspectors reviewed calibration stickers on survey instruments and monitoring equipment, corresponding calibration records, and functional test records. In addition, the inspectors observed source/response checks. As a result, the inspectors determined that the performance of radiation survey/detection instruments and equipment was in accordance with licensee requirements and procedures.

The inspectors reviewed the Total Effective Dose Equivalent results for plant personnel and determined that they were less than the regulatory limit of 5 rem/yr. The inspectors reviewed 2014 and available 2015 plant personnel dosimeter data and determined that the Lens Dose Equivalent and Shallow Dose Equivalent results were less than the regulatory limit of 15 rem/yr and 50 rem/yr, respectively. The inspectors verified that records were maintained in accordance with 10 CFR 20.2106. The contractor used for dosimetry processing was approved by the National Voluntary Laboratory Accreditation Program.

The inspectors determined the respiratory protection program was in compliance with 10 CFR 20.1703. The inspectors determined that the respiratory protection program adequately identified potential hazards and that users were properly trained and qualified in the use of respiratory protection equipment. The respirators inspected were NIOSH-approved and did not show any physical indications of deterioration. The inspectors evaluated the respirator reprocessing areas including respirator washing, drying, visual inspections, cartridge replacement, reassembly, radiological contamination assessment, and repackaging.

The inspectors evaluated the on-site laboratory uranium analysis of employee bioassay samples. The evaluation included how the analysis data was managed and eventually incorporated into employee dose calculations.

The inspectors verified that radiological signs and postings accurately reflected radiological conditions. Areas were posted in accordance with 10 CFR Part 20 and the Notice to Employees, NRC Form 3, was posted in a high traffic area in accordance with 10 CFR 19.11. Inspectors observed facility maintenance personnel during the replacement of a UF₆ control valve.

Based on reviews of the procedures and observations, the inspectors determined that radiological assessments were adequately evaluated to the magnitude and extent of radiation levels in accordance with 10 CFR 20.1501.

The inspectors reviewed the most current 2014 ALARA report and corrective actions in response to that assessment and determined that 10 CFR 20 requirements were satisfied. The inspectors reviewed ALARA program records and determined that the ALARA concept was being implemented.

b. Conclusion

No findings of significance were identified.

2. Effluent Control and Environmental Protection (IP 88045)

a. Inspection Scope and Observations

The inspectors interviewed licensee staff on program changes and verified that there were no significant program changes since the last NRC inspection. The inspectors verified that changes made to the environmental program were done in accordance with procedures and did not decrease the effectiveness of the program. The inspectors also determined that there were no significant personnel changes during this same time period. The inspectors verified that the environmental program functions remained independent from operations in accordance with license requirements. The inspectors reviewed procedures revised since the last inspection and determined that changes complied with procedural requirements and did not reduce safety.

The inspectors reviewed the environmental monitoring stations, including stationary air samplers and stack monitoring systems, and determined that the sampling points complied with the license and procedural requirements. The inspectors verified that the stacks were sampled and analyzed monthly, as described in the procedure, and confirmed that the associated rotameters were within calibration. The inspectors reviewed records of airborne effluents and found the results to be below the requirements in Appendix B of 10 CFR Part 20.

The inspectors reviewed the calendar year 2014 semi-annual effluent reports and determined that the licensee was in compliance with 10 CFR 70.59. The inspectors also verified that the licensee maintained records and reports in accordance with 10 CFR 20.2101.

The inspectors reviewed the collection of liquid effluent that was discharged to the Liquid Effluent Collection and Treatment System. The inspectors verified that the licensee discharged certain liquid effluents to the sanitary sewer which is sampled semi-annually and released to the local sewage facility. The total quantity of radioactive material released into the sanitary sewer did not exceed one (1) Curie for the calendar year 2014, as required by 10 CFR 20.2003.

The inspectors reviewed the 2014 Annual Public Dose Report and determined that the public dose corresponding to the airborne emissions was less than the 10 CFR 20.1101 ALARA constraints. The inspectors also reviewed the quarterly sampling results for external radiation from the environmental thermoluminescent dosimeters located on the fence surrounding the site. The inspectors determined that the annual public dose was less than the limits established by 10 CFR 20.1301.

The inspectors reviewed the 2014 environmental sampling results for soil, sediment, vegetation, and groundwater. The inspectors verified that the soil samples were conducted semi-annually and were analyzed for uranium, as required by the procedure. The inspectors reviewed groundwater sampling results and determined that the samples were collected and analyzed semiannually for gross alpha and beta as required by the procedure.

The inspectors reviewed approved procedures and determined that they were in compliance with the license. Also, the inspectors reviewed the 2014 ALARA environmental monitoring and effluent review and the ALARA committee meeting and determined that they were in accordance with the license requirements.

b. Conclusion

No findings of significance were identified.

3. Transportation of Radioactive Material (IP 86740)

a. Inspection Scope and Observations

During the week of the inspection, the licensee only had incoming shipments (receipt) of enriched and natural uranium. No outgoing shipments (delivery) of uranium were scheduled or occurred. The inspectors verified the licensee had established and maintained an effective program to ensure radiological safety during the receipt and handling of licensed radioactive materials. The inspectors also determined that the observed transportation activities were in compliance with the applicable transport regulations (10 CFR 71 Subparts A, C, G, and H and 49 CFR 171-177).

The inspectors reviewed a number of shipping records, such as manifests (bills-of-lading) and checklists, involving the receipt of special nuclear material. The inspectors ensured that the appropriate documentation accompanied the packages being received. The inspectors confirmed the required information on the packaging and receipt orders including the transportation index, package activity, labeling, and placarding.

The inspectors reviewed the training records to ensure that the licensee had administered 49 CFR 172.704 hazardous materials transportation training to affected personnel as required by the Department of Transportation and their license.

During the inspection, the inspectors observed activities involving the receipt, on-site transport, and handling of 48Y and 30B cylinders. IROFS for the on-site handling of cylinders were verified to be implemented and effective. Inspectors observed radiological surveys of the UX-30 overpacks and cylinders, as required by procedure, and confirmed subsequent results were below limits and in compliance with 10 CFR 20.1906. The inspectors observed the storage of the 48Y and 30B cylinders and determined the cylinders were stored in accordance with procedures.

The inspectors observed the material condition of the UX-30 overpacks and the 48Y and 30B cylinders and determined that the licensee was maintaining them in an adequate condition. The inspectors toured the uranium byproduct cylinder storage pad and noted that UF₆ cylinders were stored in the proper configuration. Based on observations and discussions with licensee personnel, the inspectors determined that cylinder handling equipment was adequately maintained.

The inspectors also reviewed the licensee's Quality Assurance program for the transportation of radioactive materials, specifically audit 2012-A-07-003, and determined that the licensee was in compliance with 10 CFR Part 71 Subpart H. The licensee also met 10 CFR 71.21 requirements for foreign approved packaging and demonstrated that the packages were revalidated by the Department of Transportation.

The inspectors reviewed audits of the transportation program and determined the licensee was performing periodic audits of the program as required. The results of the audits were appropriately addressed in the CAP. The inspectors then verified that the licensee was in compliance with 10 CFR Part 71 Subpart H.

The inspectors reviewed plant procedures for recordkeeping and interviewed the personnel involved. Inspectors verified that a system was in place to maintain shipment records for the lifetime of the facility and, hence, confirmed the licensee was in accordance with 10 CFR 71.91(a).

b. Conclusion

No violations of NRC requirements were identified.

D. Special Topics

1. Event Follow-up

a. EN 50938: Accumulation of Sample Cylinders in the Chemistry Lab

On March 27, 2015, the licensee identified an amount of uranium greater than that analyzed in the associated Hazardous Operation (HAZOP) for the Chemistry Laboratory with regards to the accumulation of 1S cylinders. The chemistry laboratory temporarily stores 1S cylinders, which are small sample bottles, procured and certified to the ANSI N14.1 standard. The 1S cylinders are used for the withdrawal of UF₆ samples for chemical and isotopic analysis from filled 30B product cylinders. The HAZOP stated that approximately 5 kg at any given time, and a maximum of 9 kg per year, would be present in the laboratory. This HAZOP was never updated for changes in customer orders and the increased number of 1S cylinders. The cylinders are transported to the chemistry laboratory for temporary storage. As a result, the accumulation of 1S cylinders in the Chemistry Laboratory exceeded the original 9 kg limit.

As an immediate corrective action, a nuclear criticality safety (NCS) posting was applied to prevent the removal or introduction of any material until a detailed evaluation of the condition and measures necessary for resolution were determined. The licensee identified the as found condition as stable and safe, and at no time were the enrichment levels or quantities of U₂₃₅ in an unsafe condition.

The NRC inspectors reviewed several procedures and documentation including DACE ER Number: 2015-461 and calculation ISA-IAD-0021, Determination of the Credibility of a Nuclear Criticality Event Due to Accumulation of 1S Cylinders with Enriched Uranic Material in the Chemistry Lab Complex, Rev. 0. The licensee created calculation ISA-IAD-0021 to re-evaluate the 1S bottle array including the as-found condition. The licensee determined that based on the found accumulation of 1S bottles a nuclear criticality event in the Chemistry Lab Complex was not credible. NRC inspectors also performed walk downs of the 1S bottle temporary storage areas in the Chemistry Complex and SBM 1001 to verify proper storage and NCS postings were implemented. The inspectors determined that the analysis and corrective actions were adequate. No violations of NRC requirements were identified. This item is closed.

E. Exit Meeting

The inspection scope and results were presented to members of the licensee's staff at various meetings throughout the inspection period and were summarized on August 27 and September 24, 2015, to Jay Laughlin and staff. No dissenting comments were received from the licensee. Proprietary information was discussed but not included in the report.

SUPPLEMENTARY INFORMATION

1. KEY POINTS OF CONTACT

<u>Name</u>	<u>Title</u>
R. Albright	Radiation Protection Manager
J. Blackshear	Work Control Manager
S. Cowne	Head of Compliance
M. Graham	Engineering Supervisor
H. Harvey	Chemistry Supervisor
D. Hurd	Shift Manager
A. Johnson	Licensing and Performance Assessment Manager
J. Labuda	Fire Protection
J. Laughlin	Head of Operations and Chief Nuclear Officer
P. Law	Quality Assurance Manager
S. Magill	Maintenance Manager
M. McGovern	Chemistry Services Manager
R. Medina	Licensing Engineer
G. Poortman	Logistics Planning Supervisor
J. Rickman	Licensing Specialist
J. Sanford	Emergency Preparedness Manager
G. Schell	Supervisor Recycling (LECTS)
S. Scott	Plant Engineering Manager
R. Shaffer	Shift Operations Manager
C. Slama	Licensing Project Manager
W. Terry	Environmental Analyst Supervisor
R. Williams	Head of Technical Services

2. LIST OF ITEMS OPENED, CLOSED, AND DISCUSSED

Closed

EN 50938	LER	Accumulation of Sample Cylinders in the Chemistry Lab (Paragraph D.1)
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3. INSPECTION PROCEDURES USED

86740	Inspection of Transportation Activities
88020	Operational Safety
88030	Radiation Protection
88045	Effluent Control and Environmental Protection
88054	Fire Protection Triennial

4. DOCUMENTS REVIEWED

Records:

2014-IA-06-021, Internal Audit Report of UUSA Logistics Services, Rev. 0
Manifests & Records from June 12, 2015 through July 10, 2015
Outbound Shipment Surveys and Inspections Checklists: 80007006, 80007008, 80007010,
80007102, 80007126

Inbound Shipment (Receipt) Surveys and Inspection Checklists: 058U200266 (4Y018975), 058U200280 (4Y019057), 058U200429 (4Y019234), 058U200811 (4Y019480), 058U200812 (4Y019654), 058U200813 (4Y019659), 058U200814 (4Y019652), 058U200815 (4Y019653), 171U100061 (LU2706), 171U100062 (LU2705), 171U100063 (LU2703), 171U100064 (LU2788), 171U100065 (LU2786), 171U100066 (LU2748), UREU214466, UREU214470, UREU214474, UREU214485, UREU214490, UREU214493, UREU214511, UREU214671

Radiological Protection Receipt Surveys (external) (48Y)

Training Records for Cylinder Handlers

Quality Assurance Internal Audit Report of UUSA Fire Protection Program, No. 2014-A-02-001, Feb 17 – 21, 2014

2015 Internal Audits, Rev. 0

Fire Protection 2014 Self Assessment Report, Assessment 2014-001

ECR-9143A, Remove the Tier 1 Diesel Fire Water Pump Engine and Electronic Controller from the Pump House. Replace it with a New Tier 3 Fire Water Pump and Electric Controller

Procedures:

CH-3-1000-03, Labware Calibration and Testing, Rev. 8

CH-3-2000-10, Uranic Analysis Using Quadrupole ICP-MS, Rev. 4

Emergency Fire Plan, Rev. 23

EN-2-1000-02, Radiological Effluent Monitoring Program, Rev. 1

EN-3-1000-36, Alpha Monitor (ABPM 201S) Calibration and Maintenance, Rev. 1

EN-3-1000-38, Environmental Water Sampling, Rev. 2

EN-3-1000-39, Vegetation, Soil, and Basin Sediment Sampling, Rev. 0

EN-3-1000-40, Continuous Air Sampling, Rev. 0

EN-3-1000-41, Untreated Waste and Sanitary System Sampling, Rev. 0

EN-3-1000-37, MacGiver HF-2 Monitor, Maintenance, and Calibration, Rev. 2

EN-3-1000-02, Radiological Effluent and Environmental Monitoring, Rev. 5

FP-1-1000-01, Fire loss Prevention, Rev. 0

FP-2-1000-01, Fire Protection Program Requirements, Rev. 7

FP-3-1000-01, Fire System and Features Testing and Inspection, Rev. 5

FP-3-1000-02, Flammable and Combustible Materials Control, Rev. 9

FP-3-1000-03, Fire Prevention During Welding, Cutting, and Other Hot Work, Rev. 9

FP-3-1000-04, Fire System or Feature Impairments, Rev. 15

FP-3-1000-05, Pre-Incident Plan Development and Control, Rev. 5

FP-3-1000-09, Plant Fire Brigade & Training, Rev. 0

FP-5-1000-01, Pre-Incident Plan, Rev. 7

LS-3-1000-11, Rev. 0, Environment Review and Evaluation

LO-3-2000-01, Receipt and Shipment of Cylinders, Rev. 8

LO-3-2000-02, On-Site Handling of UF₆ Cylinders, Rev. 4

LO-3-2000-05, Weighing of UF₆ Cylinders, Rev. 9

LO-3-2000-08, Sample Shipping and Receiving, Rev. 8

LO-3-2000-20, Flatrack Inspection, Rev. 0

LO-3-2000-21, MST-30 Handling and Inspection, Rev. 0

LO-3-3000-01, Transport Planning, Rev. 12

LO-3-4000-01, Annual Overpack Inspections, Rev. 4

LO-3-4000-02, Offsite Internal Cylinder Inspection, Rev. 4

LO-3-4000-03, External Cylinder Inspection, Rev. 5

MA-6-0591-02, Semiannual Fire Detection Tasks, Rev. 2

MA-6-0694-02, Quarterly Fire System Inspections and Tests, Rev. 3

MA-6-0694-17, Fire Protection Flow Testing, Rev. 6
 MA-6-2826-01, Fire Barrier Penetration Seals Inspection, Rev. 1
 OP-3-1000-15, IROFS50a Control Boundary Breach Permit, Rev. 6
 OP-3-1000-16, IROFS50b External Boundary Control, Rev. 9
 OP-3-1000-17, IROFS50c External Boundary Control, Rev. 9
 OP-3-1000-22, IROFS50h Control Boundary Breach Permit, Rev. 6
 RP-2-1000-01, Radiation Protection Program, Rev. 6
 RP-2-1000-02, ALARA Program, Rev. 5
 RP-2-4000-01, Respiratory Protection Program, Rev. 3
 RP-3-3000-05, Area TLD Monitoring, Rev. 3
 RP-3-4000-06, Respirator Fit Testing Using the Porta Count Pro, Rev. 4
 RW-3-4000-01, Startup, Shutdown, and Operation of the Small Component
 Decontamination Train (SCDT), Rev. 3
 RW-3-4000-02, Startup and Shutdown of the Multifunctional Decontamination Train, Rev. 4

Condition Reports Written as a Result of the Inspection:

EV 106729 - Incorrect dates identified on ISO Audit 2014-IA-06-021 checklist
 EV 108203 – Fire Brigade Qual Tracking
 EV 108240 – Non IROFS Fire Doors
 EV 108260 – Section 5 of SAR Missing
 EV 108281 – Fire Water Pump House Wall
 EV 108284 – Emergency Light Annual Testing

Condition Reports Review:

EV 100039 – Lack of Effective Radio Communication during a Shift Fire Drill
 EV 101135 – Violations of Procedure
 EV 102193 – IROFS Fire Doors will not Close as Designed
 EV 102496 – SBM 1001 Inaccessible Fire Dampers
 EV 102648 – ISA Fire Calculation not Updated/Finalized
 EV 104964 – CRDB Bunker Building, 2nd Floor Non-IROFS Fire Doors Rating
 EV 106471 – SBM-1005 IROFS 35 Pen Seals Impairment Without Authorization
 EV 106494 – CRDB IROFS35 Fire barrier Impaired Without Compensatory Fire Watch
 EV 20341 – Emergency Lights with no Power
 EV 20467 – Fire Pump Impairment Not Issued per Procedure Requirement

Other Documents:

30B DOT Certification Rev. 10
 48X & 48Y SAR Rev. 6
 48X and 48Y DOT Certification Rev. 2
 2000 MED DOT Certification Rev. 3
 2000 MED SAR Rev. 0
 List UUSA Packages Used for Transport of Radioactive Material Including Cross References
 Logistics Organization Chart
 MST-30 DOT Certification Rev. 4
 MST-30 SAR Rev. 2
 Operations Requirements Manual
 UX-30 DOT Certification Rev. 32
 UX-30 SAR Rev. 3
 Safety Analysis Report (SAR), Rev. 37
 Fire Hazards Analysis for URENCO USA, Rev. 19

Fire Pump House – Penetrations North and South Rooms System FA & FP Plans & Elevations, Rev. 0

Hot Work Permits:

2015-HWP-108, Maintenance to relocate Hot Bypass on 1004-672-3U1

2015-HWP-107, Open Flame for Food Warmers

2015-HWP-106, Brazing Copper Tubing

2015-HWP-105, Maintenance to perform Grinding, Brazing, and Welding to build skid plates in repairing piping on 1620-617-2U1

2015-HWP-104, Torch Cutting Steel Plate

2015-HWP-103, Gas Silver Solder Copper HVAC Line

2015-HWP-102, Facilities Maintenance to replace Trailer 2-23 HVAC Compressor Pump

2015-HWP-101, Facilities Maintenance to weld Three Steel Grates over Storm Drains

2015-HWP-100, Maintenance to relocate Hot Bypass on 1004-672-3U1

2015-HWP-099, Maintenance to repair Critical Air System 1003-633-2K1

EOR-GET-CRIT-01, Nuclear Criticality Safety Training, Rev. 3.1

FB001DL00I00S3, Fire Brigade Policy, Organization, and Safety Briefing Material

Fire Brigade Training/Qualification Records – Various

NEF-BD-50b, Administratively Control Proximity of Vehicles by Use of Barriers, Rev. 7

Plant Change Request PCR 2015-107, Improving Emergency Response Communication System

Work Order 1000204847, dated 8/5/15, Replacement of UF₆ valve 1A5