UNITED STATES



NUCLEAR REGULATORY COMMISSION

REGION II SAM NUNN ATLANTA FEDERAL CENTER 61 FORSYTH STREET, SW, SUITE 23T85 ATLANTA, GEORGIA 30303-8931

May 24, 2007

EN #43158

John Swailes, Vice President of Operations and Chief Nuclear Officer National Enrichment Facility P.O. Box 1789 Eunice, NM 88231

SUBJECT: NRC INSPECTION REPORT NO. 70-3103/2007-001

Dear Mr. Swailes:

During the week of April 23-27, 2007, the U. S. Nuclear Regulatory Commission (NRC) performed an inspection of the design activities associated with the National Enrichment Facility (NEF) at Nuclear Technology Solutions (NTS) in Cherry Hill, New Jersey. The purpose of the inspection was to evaluate Quality Assurance Program implementation related to ongoing design activities. The enclosed report presents the inspection results which were discussed with members of your staff on April 27, 2007.

This routine, announced inspection was an examination of activities conducted under your license as they relate to safety and compliance with the Commission's rules and regulations and with the conditions of your license. The inspection consisted of selected examinations of procedures and representative records, observations of activities, and interviews with personnel.

Because the number of finalized and approved design documents was limited, the scope of the inspection was mainly focused on quality assurance and programmatic controls related to design activities. Based on the results of this inspection, no findings of significance or violations of regulatory requirements were identified.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," this document may be accessed through the NRC's public electronic reading room, Agency-Wide Document Access and Management System (ADAMS) on the internet at http://www.nrc.gov/readingrm/adams.html.

NEF

Should you have any questions concerning this letter, please contact us.

Sincerely,

/RA/

Deborah A. Seymour, Chief Construction Projects Branch Division of Construction Projects

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

Enclosure: NRC Inspection Report 07003103/2007001 w/attachment Supplemental Information

cc w/encl: Steve Cowne, Licensing Manager National Enrichment Facility P.O. Box 1789 Eunice, NM 88231

James Curtiss Winston & Strawn 1700 K Street, NW Washington, DC 20006

John Parker, Chief Radiation Control Bureau Field Operations Division Environment Department Harold S. Runnels Building 1190 St. Francis Drive, Room S 2100 P. O. Box 26110 Santa Fe, NM 87502

Richard A. Ratliff, PE, LMP Radiation Program Officer Bureau of Radiation Control Department of State Health Services Division for Regulatory Services 1100 West 49th Street Austin, TX 78756-3189

cc cont'd (See next page)

NEF

cc cont'd: Cindy Padilla, Deputy Secretary New Mexico Department of Environment Office of the Secretary 1190 St. Francis drive P. O. Box 26110 Sante Fe, NM 87502-0157

Matt White, Mayor City of Eunice P.O. Box 147/1106 Ave J Eunice, NM 88231

Monty D. Newman, Mayor City of Hobbs 1203 Zuni St. Hobbs, NM 88240

Gary Schubert, Chairman Lea County Commissioners 100 North Main Lovington, NM 88260

Reinhard Hinterreither, President Louisiana Energy Services, L. P. Electronic Mail Distribution

Jim Gearhart, Director Quality Assurance Louisiana Energy Services, L. P. National Enrichment Facility Electronic Mail Distribution

John Lawrence, General Counsel Louisiana Energy Services, L. P. Electronic Mail Distribution

Brenda Brooks, Director Community Affairs and Government Relations Louisiana Energy Service, L. P. Electronic Mail Distribution

Jana McNabb, Administrative Assistant Louisiana Energy Services, L. P. Electronic Mail Distribution

NEF

cc cont'd: Cindy Padilla, Deputy Secretary New Mexico Department of Environment Office of the Secretary 1190 St. Francis drive P. O. Box 26110 Sante Fe, NM 87502-0157

Matt White, Mayor City of Eunice P.O. Box 147/1106 Ave J Eunice, NM 88231

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Jana McNabb, Administrative Assistant Louisiana Energy Services, L. P. Electronic Mail Distribution

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DATE	5/24/07	5/24/07	5/24/07	5/24/07					
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES N	O YES	NO	YES	NO

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Letter to John Swailes from Deborah A. Seymour dated May 24, 2007

SUBJECT: NRC INSPECTION REPORT NO. 70-3103/2007-001

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U.S. NUCLEAR REGULATORY COMMISSION

REGION II

Docket No.:	70-3103
License No.:	SNM-2010
Report No.:	70-3103/2007-001
Licensee:	Louisiana Energy Services, L.P.
Location:	Nuclear Technology Solutions, LLP Cherry Hill, NJ
Inspection Dates:	April 23-27, 2007
Inspectors:	 J. I. Tapia, P.E., Senior Reactor Inspector, Division of Construction Inspection (DCI), Region II (RII) M. C. Shannon, Senior Resident Inspector, Division of Construction Projects (DCP), RII S. A. Lewis, Construction Inspector DCI, RII
Accompanying Personnel:	R. Jackson, Construction Inspector, DCI, RII
Approved:	Deborah A. Seymour, Chief Construction Projects Branch 1 Division of Construction Projects

EXECUTIVE SUMMARY

Louisiana Energy Services, L.P. (LES) National Enrichment Facility (NEF) NRC Inspection Report 70-3103/2007-001

This announced inspection was a routine inspection of the licensee's implementation of their Quality Assurance (QA) program related to design activities. The inspection occurred at the licensee's Nuclear Technology Solutions (NTS) offices located in Cherry Hill, New Jersey. This inspection included a review of LES' QA program as it pertained to the ongoing design and document control process. The inspection determined that the program requirements of LES' Quality Assurance Program Description (QAPD), Section 3, "Design Control," were satisfactorily implemented into supporting documentation. This inspection did not include a review of computer software controls.

Design and Document Control

LES had established adequate controls for design control activities. LES had programs in place to implement Basic Requirement 3 "Design Control," and Supplement 3S-1, "Supplementary Requirements for Design Control," of ASME NQA-1-1994, "Quality Assurance Program Requirements for Nuclear Facilities," including supplements as revised by the ASME NQA-1a-1995 Addenda, as required by their Quality Assurance Program Description. This inspection did not include a review of computer software controls. NTS was effectively implementing their QA program. The reviewed procedures conformed to the licensee's design input, design control, design process, and design interface control commitments (Section 1.c).

REPORT DETAILS

1. <u>Quality Assurance: Design and Documentation Control (Inspection Procedure</u> 88107)

The licensee was in the process of implementing quality assurance requirements related to design activities during this inspection. The inspection focused on programmatic controls due to the limited number of finalized and approved design documents.

a. <u>Inspection Scope</u>

LES is required by their license to conduct activities at the Louisiana Energy Services' (LES) National Enrichment Facility (NEF) in accordance their approved Quality Assurance Program Description (QAPD). The QAPD requires LES to conform to the criteria established in 10 CFR 50, Appendix B, Quality Assurance Criteria For Nuclear Power Plants and Fuel Reprocessing Plants." The criteria in 10 CFR 50, Appendix B, are met by LES's implementation of the American Society of Mechanical Engineers (ASME) Quality Assurance (QA) standard NQA-1-1994, "Quality Assurance Program Requirements for Nuclear Facilities," including supplements as revised by the ASME NQA-1a-1995 Addenda.

This inspection was performed to determine if LES' design control procedures and processes implemented the criteria in the QAPD, Section 3, Design Control; 10 CFR Part 50, Appendix B, "Quality Assurance Criteria for Nuclear Power Plants and Fuel Reprocessing Plants," Criterion 3, "Design Control"; and Basic Requirement 3 "Design Control," and Supplement 3S-1, "Supplementary Requirements for Design Control," of ASME NQA-1-1994, "Quality Assurance Program Requirements for Nuclear Facilities," including supplements as revised by the ASME NQA-1a-1995 Addenda.

The inspection was conducted to verify that the design control program was adequately defined and included effective procedures addressing design input controls, analyses, verifications, change controls, interface controls, that the design control program translated quality standards into design documents, and controlled deviations from standards. This inspection also served to verify that applicable design bases and other requirements necessary to ensure adequate quality were required to be included or referenced in the procurement documents of Quality Level 1 (QL-1) material, equipment and services. Available records and documents that furnished evidence of quality were also reviewed.

b. Observations and Findings

During this inspection, the inspectors reviewed numerous documents. These documents are listed at the end of this inspection report. Unless otherwise noted below, there were no significant comments identified for these documents during this review.

(1) <u>Design Control</u>

Nuclear Technology Solutions (NTS) is a division of Shaw Stone & Webster, Inc. dedicated to the NEF project. NTS is responsible for a portion of the design. Areva has project management responsibility for the LES design-Americanization work scope.

The inspectors reviewed and assessed the adequacy of various LES design control procedures, related NTS project and engineering assurance procedures, and AREVA NP, Inc. (Areva) procedures utilized for the NEF Project as noted in the attachment to this inspection report. The procedures reviewed were consistent with the applicable QA program requirements.

(a) Louisiana Energy Services (LES) Procedures

LES Procedure EG-101-106, "Processing Engineering and Design Coordination Reports (E&DCRs) Prepared by NTS," Revision 0, provided guidance for processing NTS E&DCRs and for reviewing and approving E&DCRs that result in a configuration change. The inspectors verified that the licensee had tools in place to track E&DCRs and to require that a copy be retained. No samples of E&DCRs were available for review by the inspectors.

The methodology for managing changes to the license basis documents was defined in LES Procedure LS-106, "Maintenance of License Basis Documents," Revision 0. This procedure delineated what is required for changes, how they should be prepared, reviewed, approved, and tracked. The inspectors reviewed one sample of a license basis document change request. No problem areas were noted.

The LES procedural requirements for evaluating and responding to technical questions related to the design and licensing basis were contained in LES Procedure EG-209, "Technical Question Process for NEF Design," Revision 0. The inspectors reviewed the five technical questions in the program at the time of the inspection. Resolution of technical question, TQ-2007-001, concerning changes to overhead transmission line easement, was found to be acceptable. The ongoing evaluation of TQ-2007-004, "Evaluation of Maximum UF6 Inventory for Release Resulting in Low Consequences at the Site Boundary," was also appropriate. During the inspection, the licensee revised the Technical Question tracking process to track completion of any corrective actions.

The procedural requirements for evaluation of plant changes related to 10 CFR 70.72 requirements were contained in LES Procedure LS-104, "10 CFR 70.72 Evaluations for Proposed Changes," Revision 2. The inspectors selected several design changes for review, including DC 2005-0012, "Hardening of the Central Utilities Building," DC 2005-0022, "Short-Break Load Diesel Generator Size Increase," DC 2006-0012, "Tornado Missile Barrier Evaluation," DC 2006-0052, "Design Changes to the UF6 System Design," and DC 2006-0056A, "Design Changes to the Gaseous Effluent Vent System." Implementations of the design changes were appropriate, timely, and in accordance with procedural requirements. The inspectors noted that the licensee's Design Change

Tracking spreadsheet did not clearly identify those documents actually changed by the design change request. The licensee acknowledged this observation and indicated that a modification would be made to improve the spreadsheet.

The requirements for preparing, reviewing, evaluating and accepting commercial grade dedication plans (CGDPs) for items or services to ensure they are suitable for QL-1 applications were contained in LES Procedure EG-101-104, "Commercial Grade Dedication Process," Revision 0. Two samples of CGDPs were reviewed as well as the meeting notes of the review panel and the tracking log. No problem areas were noted.

(b) <u>Nuclear Technology Solutions (NTS) Procedures</u>

The procedural requirements for identification, control, and coordination of design interfaces, for ensuring that the applicable regulatory requirements and design bases were correctly translated into project design documents., and for verifying and checking the adequacy of the design, were contained in NTS Project Procedure (PP) 4-2-5, "Management Plan for Project Quality, Section III, Design Control," dated February 12, 2007.

The procedural requirements for performing and documenting trending activities related to the generation of design drawings, specifications, calculations and other controlled project documents, were contained in NTS PP 4-3-0, "Trending," dated April 10, 2007. The inspectors verified that the trend reports were used to evaluate performance and to identify any actions necessary to improve performance.

The procedural requirements for the preparation, review, approval, and control of design requirement documents were contained in NTS PP 5-13-1, "Design Requirements Document," January 18, 2006. The inspectors verified that the design requirements document consisted of a compilation of all design inputs, such as code requirements, regulations, items relied on for safety (IROFS), approved design changes, and the NRC license application.

(c) <u>Areva Procedures</u>

Areva Quality Assurance Plan 56-9032962, Revision 0, delineated the QA, interface, design input, and training requirements used by Areva to satisfy project requirements. These provisions included internal and external audits and assessments and LES approval of nonconformances dispositioned by Areva as use-as-is or repair.

Areva Project Plan Document No. 102-9032998-001, "Design, Engineering, and Other Services for the National Enrichment Facility," Revision 1, was used to ensure that LES requirements were met. It also defined the project organization, interfaces, document control, work package development, authorization, change control and the design Americanization process.

The process for defining the actions necessary for preparing and sending IROFS boundary packages and Americanization packages to LES was delineated in Areva Administrative Procedure No. 0412, "Engineering Information Record/Technical Data

Record," Revision 14. The inspectors reviewed AREVA Work Package No. 07-038 which described the process used by Areva to prepare IROFS boundary definition documents.

(d) Audits and Surveillances

The inspectors reviewed the LES design management and oversight processes to verify that adequate QA audits and surveillances were conducted. Audits to assess engineering procedure programmatic compliance with governing regulations, including 10 CFR 50 Appendix B, and ASME NQA-1-1994, as revised by the ASME NQA-1a-1995 addenda were reviewed. Audits to assess engineering department compliance with programmatic procedures were also reviewed. The inspectors' review included audits performed in accordance with the requirements of LES Procedure QA-201, "Supplier Audit and Qualification Program," Revision 1.

LES Audit No. LES-NTS-2007-001, "Louisiana Energy Services Audit of NTS, located in Cherry Hill, NJ, March 8, 2007" and the NTS Response to LES Audit No. LES-NTS-2007-001, April 20, 2007, were reviewed.

LES Audit No. LES-AREVA-2007-001, February 26, 2007, was reviewed. This was a limited scope audit to verify that Areva had established and implemented an effective procurement process and commercial grade dedication program. The audit supplemented the qualification audit of Areva for supplying engineering and design services that was performed March 20-23, 2006, and which was also reviewed.

LES Audit No. LES-AREVA-2006-001, October 20, 2006, was reviewed. This was the pre-award qualification audit conducted at the Fort Worth, Texas, and Naperville, Illinois offices to verify that Areva had established and effectively implemented a QA program in accordance with the requirements of 10 CFR Part 50, Appendix B; ASME NQA-1-1994 as revised by the NQA-1a-1995 Addenda; 10 CFR Part 21; and the LES QAPD.

Internal audits performed by Shaw Stone & Webster of NTS were also reviewed. Audits were performed in accordance with Quality Standard 18.1, "Quality Audit Program," Revision H, and Shaw Stone & Webster QA Directive 18.1, "Quality Assurance Internal Audits," Revision K.

Stone & Webster QA Audit Report Nos. CH-05-01, August 3, 2005; CH-06-01, March 10, 2006; and CH-06-02, October 31, 2006 were reviewed. This audit was performed to evaluate the effectiveness and implementation of the project management plan, design control, document control, corrective action, and training.

Internal surveillances performed by Shaw Stone & Webster were also reviewed. The surveillances were performed in accordance with QA Directive 18.12, "Quality Assurance Surveillances," Revision 0. The following surveillances were reviewed by the inspectors:

- Stone & Webster Surveillance S-114489-07-001, February 5, 2007, "Calculations and Independent Reviews NTS-M-NTS-0019."
- Stone & Webster Surveillance S-114489-07-002, February 12, 2007, "Surveillance of Drawings and Diagrams (Mech. & Elect.)"

Stone & Webster Surveillance S-114489-06-004, Jan. 9, 2006, "Specifications and Independent Reviews."

The inspectors noted no concerns or issues regarding the quality of the audits and surveillances.

(2) <u>Document Control</u>

The inspectors reviewed the LES program for a standardized, systematic approach to the lifecycle and disposition management of records. Overall programmatic requirements were delineated in LES Procedure No. RM-101, "Records Management Program," Revision 3.

The inspectors reviewed and assessed the adequacy of various LES document control procedures as well as NTS document control procedures utilized for the NEF Project as noted in the attachment to this inspection report. The procedures reviewed were consistent with the applicable QA program requirements.

(3) QA Records

In addition to the procedures and oversight documents listed above, the inspectors reviewed a selection of QA records generated during the development of design documents. These included specifications, configuration change forms, commercial grade dedication plans, condition reports, and miscellaneous documents. The reviewed documents are listed in the attachment to this inspection report. All documents reviewed were consistent with the QA programmatic requirements.

c. Conclusions

LES had programs in place to implement Basic Requirement 3 "Design Control," and Supplement 3S-1, "Supplementary Requirements for Design Control," of ASME NQA-1-1994, "Quality Assurance Program Requirements for Nuclear Facilities," including supplements as revised by the ASME NQA-1a-1995 Addenda, as required by their QAPD. This inspection did not include a review of computer software controls. NTS was effectively implementing their QA Program. The reviewed procedures conformed to the licensee's design input, design control, design process, and design interface control commitments.

2.0 <u>Review of a Previous Event</u>

An in-office review was performed for Event Notification 43158. On February 7, 2007, a tractor scrapper on the Eunice construction site overturned and caught fire. The equipment operator received a minor injury to his hand. Eunice Emergency Services responded and extinguished the fire. The Lea County Sheriff's department and the New Mexico State Police also responded. There were no radioactive materials involved in the event. Less than 25 gallons of transmission fluid and motor oil leaked from the tractor. LES reported this event to the New Mexico Environmental Department, the National Response Center, and concurrently, to the NRC. The licensee issued a 30-day-follow-up report dated March 9, 2007. Based on a review of this report, the inspectors concluded that the corrective actions taken by LES were appropriate. Based on this review, this event is closed.

3.0 Exit Meeting

The inspection scope and results were summarized with the licensee on April 27, 2007. The inspectors described the areas inspected and discussed the inspection results in detail. Although proprietary documents and processes were reviewed during this inspection, the proprietary nature of these documents or processes was not included in this report. No dissenting comments were received from the licensee.

Attachment:

Persons Contacted Inspection Procedure Used List of Items Opened, Closed, and Discussed List of Acronyms Used List of Documents Reviewed

1. LIST OF PERSONS CONTACTED

LES:

- J. Brinkley, Design Engineer
- S. Cowne, Licensing Manager
- S. Eisele, Design Engineer
- T. Harney, Licensing Engineer
- R. Kartan, Lead Electrical
- R. Larrey, CRDB Building Lead
- B. Malara, Administrative Assistant
- E. Mineiner, Quality Assurance Consultant
- M. Plunket, Lead Mechanical Engineer
- R. Poche, Licensing Engineer
- K. Prasad, Configuration Management Coordinator
- D. Poole, Technical Support Manager
- G. Sanford, Vice President of Project Management
- K. Scanlan, Configuration Management Administrative Assistant
- M. Scanlan, Infrastructure Project Manager
- D. Sexton, Technical Services Director
- K. Schrauder, Administrative Assistant
- R. Schrauder, Design Manager
- D. Skillman, Design Engineer
- C. Tracy, Configuration Management Coordinator
- E. Weiner, Quality Assurance Engineer

Other Personnel:

- R. Avrich, Project QA Manager, NTS
- M. Bandeira, Mechanical Engineer, NTS
- S. Dubul, Lead Mechanical, NTS
- B. Ebbeson, Structural Consultant, NTS
- M. Gilman, QA Director, Shaw Stone & Webster
- K. Korcz, Licensing, NTS
- M. Mojibian, HVAC Lead, NTS
- E. Pickett, Electrical Lead, NTS
- R. Rumbos, Technical Information Manager, NTS
- L. Shea, Lead Civil/Structural, NTS
- S. Tsombaris, Project Engineer, NTS
- P. Visalli, Project Manager, NTS

2. INSPECTION PROCEDURE USED

IP 88107 Quality Assurance: Design and Documentation Control

3. LIST OF ITEMS OPENED, CLOSED, AND DISCUSSED

Item Number	<u>Status</u>	Description
EN 43158	Closed	A tractor scrapper overturned and caught fire on the Eunice construction site. Some transmission fluid and oil leaked onto the ground. This event was reported to the New Mexico Environmental Department, the National Response Center, and concurrently, to the NRC.

4. LIST OF ACRONYMS USED

ADAMS	Agency-Wide Document Access and Management System
ASME	American Society of Mechanical Engineers
CGDPs	Commercial Grade Dedication Plans
CFR	Code of Federal Regulations
EAP	Engineering Assurance Procedure
E&DCRs	Engineering and Design Coordination Reports
IP	Inspection Procedure
IROFS	Item Relied on for Safety
LES	Louisiana Energy Services, L. P.
NEF	National Enrichment Facility
NTS	Nuclear Technology Solutions, LLP
No.	Number
PP	Project Procedure
QA	Quality Assurance
QAPD	Quality Assurance Program Description
QL	Quality Level

5. **DOCUMENTS REVIEWED**

Specifications and Procedures

Areva Administrative Procedure No. 0412, "Engineering Information Record/Technical Data Record," Revision 14

Engineering Assurance Procedure (EAP) 4.13, "Processing of Project Specifications," **Revision 2**

EAP 3.1, "Verification of Nuclear Facility Designs, New Construction," Revision 3

LES Engineering Assurance Procedure EAP 5.3, "Preparation and Control of Manual and Computerized Calculations," Revision 1

Attachment

LES Procedure No. EG-101, "Configuration Change," Revision 1

LES Procedure EG-101-101, "Owner Acceptance Review of Design Deliverables," Revision 2

LES Procedure No. EG-101-102, "Processing Field Change Requests (FCRs) and Requests For Information," Revision 0

LES Procedure No. EG-101-104, "Commercial Grade Dedication Process," Revision 0

LES Procedure EG-209, "Technical Question Process for NEF Design," Revision 0

LES Procedure LS-104, "10 CFR 70.72 Evaluations For Proposed Changes," Revision 2

LES Procedure No. LS-106, "Maintenance of License Basis Documents," Revision 0

LES Procedure QA-201, "Supplier Audit and Qualification Program," Revision 1

LES Procedure No. RM-101, "Records Management Program," Revision 3

LES Procedure QA -202, "Training, Qualification, and Certification of Personnel To Perform QA Audits and Surveillances," Revision 1

LES Procedure QA -203, "Quality Assurance Internal Assessment Program," Revision 1

LES Procedure EG-101-108, "Review of Supplier Drawings and Data," Revision 0

LES Procedure EG-101-103, "Processing Nonconformances Reports Issued by WGI," Revision 0

LES Procedure EG-204, "IROFS Boundary Definitions," Revision 1

NEF Procedure No. EG-202, "Design Management Organization Roles and Responsibilities." Revision 0

NEF Procedure No. EG-101-106, "Processing Engineering Design Coordination Reports (E&DCRs) Prepared by NTS," Revision 0

Nuclear Technology Solutions Specification No. 114489-S-S-02300-3, "Clearing, Grading, and Earthwork Material, Construction, And Testing," November 27, 2006

NTS PP 4-2-5, "Management Plan for Project Quality, Section III, Design Control," February 12, 2007

NTS PP 4-3-0, "Trending," April 10, 2007

NTS PP 5-2-1, "Quality Assurance Classifications," August 12. 2005

NTS PP 5-4-0, "Question Process for NEF Design and Licensing Basis," November 11,

Attachment

2005

NTS PP 5-5-2, "Design Change Control," March 8, 2007

NTS PP 5-6-3, "Project Calculations," November 10, 2006

NTS PP 5-7-6, "Drawing/Diagrams," January 17, 2007

NTS PP 5-10-4, "Configuration Management Process," February 9, 2007

NTS PP 5-11-1, "Project Training Program," March 3, 2006

NTS PP 5-13-1, "Design Requirements Document," January 18, 2006

NTS PP 5-14-3, "Specifications," December 13, 2006

NTS PP5-16-2, "Mechanical Design Criteria Documents," October 3, 2006

NTS PP 5-17-0, "Engineering & Design Coordination Report (E&DCR)," February 26, 2007

NTS PP 5-18-0, "Supplier Drawings and Data," August 18, 2006

NTS PP 5-21-0, "NTS Review and Disposition of Field Change Requests and Request for Information," December 11, 2006

NTS PP 5-22-0, "NTS Review and Disposition fo Request for Information from Organizations," January 3, 2007

NTS PP 6-2-1, "Outgoing Correspondence," December 7, 2005

NTS PP 6-4-0, "Incoming Correspondence," August 8, 2005

NTS PP 6-9-1, "Document Report," December 7, 2005

NTS PP 7-2-1, "Project Files," November 24, 2005

NTS PP 7-3-1, "Records Disposition," November 28, 2005

NTS PP 5-15-2, "Electrical Design Criteria Documents," October 29, 2006

NTS PP 5-12-1, "Structural Design Criteria Documents," May 30, 2006

Configuration Change Forms

CC-EG-2007-0006, "NEF 115-13.8 kV Transformer Facility Work Plan - WP 0000-GZ-001," Revision 0

CC-EG-2006-0001, "NTS-NEF-0003: Issue of Permitting/Issue for Construction for Civil

Attachment

Site Works Package," Revision 0.

CC-EG-2006-0030, "Updated Civil Works Design Package," Revision 0

CC-EG-2006-0030A, "Updated Civil Works Design Package - Addendum A," Revision 0

CC-EG-2006-0030B, "Updated Civil Works Design Package - Addendum B," Revision 0

License Basis Document Change Request CC-LS-2007-001 (LBDCR-07-0001), March 22, 2007

Design Changes

DC 2005-0012, "Hardening of the Central Utilities Building"

DC 2005-0022, "Short-Break Load Diesel Generator Size Increase"

DC 2006-0012, "Tornado Missile Barrier Evaluation"

DC 2006-0052, "Design Changes to the UF6 System Design"

DC 2006-0056A, "Design Changes to the Gaseous Effluent Vent System"

Surveillance and Audit Reports

LES Surveillance Report No. 2006-001

LES Surveillance Report No. 2006-002

- LES Surveillance Report No. 2007-001
- LES Surveillance Report No. 2007-002
- LES Surveillance Report No. 2007-007
- LES Audit Report No. LES-AREVA-2006-001
- LES Audit Report No. LES-AREVA-2007-001
- LES Audit Report No. LES-NTS-2007-001

NTS Response to LES Audit Report No. LES-NTS-2007-001

LES Audit Report No. LES-Engineering-2007-002, "LES QA Audit Report of Project Management (Engineering), March 15, 2007"

Stone & Webster Quality Assurance Audit Report Nos. CH-05-01, August 3, 2005; CH-06-01, March 10, 2006; and CH-06-02, October 31, 2006

Stone & Webster Surveillance S-114489-07-001, February 5, 2007, "Calculations and Independent Reviews NTS-M-NTS-0019."

Stone & Webster Surveillance S-114489-07-002, February 12, 2007, "Surveillance of Drawings and Diagrams (Mech. & Elect.)"

Stone & Webster Surveillance S-114489-06-004, January 9, 2006, "Specifications and Independent Reviews."

Design Management Response to Audit Report LES-Engineering-2007-002, April 3, 2007

Commercial Grade Dedication Plans

28683-CGDP-0013, "Structural and Miscellaneous Steel Materials," February 16, 2007 28683-CGDP-0014, "Structural Steel Fabrication Service," February 16, 2007

Condition Reports

CR 07-0002 CR 07-0017 CR 07-0019 CR 07-0021 CR 07-0028 CR 07-0029 CR 07-0030 CR 07-0072

Miscellaneous Documents

Areva Quality Assurance Plan 56-9032962, Revision 0

Areva Project Plan Document No. 102-9032998-001, "Design, Engineering, and Other Services for the National Enrichment Facility," Revision 1

Areva Work Package No. 07-038

Notes and Follow up from CGDP Meeting, April 20, 2007

Notes and Follow up from CGDP Meeting, April 21, 2007

Commercial Grade Dedication Plans (CGDPs) Tracking Log