UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION IV
1600 EAST LAMAR BLVD
ARLINGTON, TEXAS 76011-4511

September 4, 2012

Mr. Kevin D. Richards
President and Chief Executive Officer
STP Nuclear Operating Company
P.O. Box 289
Wadsworth, TX 77483

SUBJECT: MID-CYCLE ASSESSMENT LETTER FOR SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION UNITS 1 AND 2 (REPORTS 05000498/2012006 AND 05000499/2012006)

Dear Mr. Richards:

On August 14, the U.S. Nuclear Regulatory Commission (NRC) completed its mid-cycle performance review of South Texas Project Electric Generating Station Units 1 and 2. The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from July 1, 2011, through June 30, 2012. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility. The security inspection plan will be sent via separate correspondence.

The NRC determined the performance at South Texas Project Electrical Generating Station Units 1 and 2 during the most recent quarter was within the Licensee Response Column of the NRC's Reactor Oversight Process (ROP) Action Matrix because all inspection findings had very low (i.e., Green) safety significance, and all PIs indicated that your performance was within the nominal, expected range (i.e., Green). Therefore, the NRC plans to conduct ROP baseline inspections at your facility.

The enclosed inspection plan lists the inspections scheduled through December 31, 2013. Routine inspections performed by resident inspectors are not included in the inspection plan. In addition to the baseline inspections, consistent with the Agency's actions related to Fukushima, the NRC will perform TI-187, "Inspection of Near-Term Task Force Recommendation 2.3 Flooding Walkdowns," and TI-188, "Inspection of Near-Term Task Force Recommendation 2.3 Seismic Walkdowns." The inspections listed during the last nine months of the inspection plan are tentative and may be revised at the end-of-cycle performance review. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at http://www.nrc.gov/reading-rm/adams.html (the Public Electronic Reading Room).

Please contact me at (817) 200-1148 with any questions you have regarding this letter.

Sincerely,

Wayne C. Walker, Chief,
Reactor Projects Branch A
Division of Reactor Projects

Docket Nos.: 05000498, 05000499
License Nos.: NPF-76, NPF-80

Enclosure: South Texas Project Electric Generating Station/Activity Plan

cc w/Enclosure: Electronic Distribution

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File located: R:_Reactors\Midcycle 2012\STP.docx

| | | |
|---|---|---|
| ADAMS: ☐ No ☒ Yes | ☒ SUNSI Review Complete | Reviewer Initials: W W |
| | ☒ Publicly Available | ☒ Non-Sensitive |
| Keyword: | ☐ Non-publicly Available | ☐ Sensitive |

| C:DRP/A | D:DRS | D:DRP | C:DRP/A |
|---|---|---|---|
| WWalker | TBlount | KKennedy | WWalker |
| W C W | TB | KK | |
| 8/16/12 | 8/16/12 | 8/28/12 | |

OFFICIAL RECORD COPY T=Telephone E=E-mail F=Fax

# South Texas Project
## Inspection / Activity Plan
## 09/01/2012 - 12/31/2013

| Unit Number | Planned Dates Start | Planned Dates End | Inspection Activity | Title | No. of Staff on Site |
|---|---|---|---|---|---|
| | | | **2515/182** | **- UNDERGROUND PIPING PHASE 1** | 2 |
| 1, 2 | 03/01/2012 | 12/31/2012 | IP 2515/182 | Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping | |
| | | | **2515/187** | **- FLOODING WALKDOWNS** | 2 |
| 1, 2 | 07/01/2012 | 12/31/2012 | IP 2515/187 | Inspection of Near-Term Task Force Recommendation 2.3 Flooding Walkdowns | |
| | | | **2515/188** | **- SEISMIC WALKDOWNS** | 2 |
| 1, 2 | 07/01/2012 | 12/31/2012 | IP 2515/188 | Inspection of Near-Term Task Force Recommendation 2.3 Seismic Walkdowns | |
| | | | **TSB-52B** | **- BIENNIAL PI&R INSPECTION** | 4 |
| 1, 2 | 09/17/2012 | 09/21/2012 | IP 71152B | Problem Identification and Resolution | |
| 1, 2 | 10/01/2012 | 10/05/2012 | IP 71152B | Problem Identification and Resolution | |
| | | | **RS12** | **- RADIATON SAFETY** | 2 |
| 1, 2 | 10/22/2012 | 10/26/2012 | IP 71124.01 | Radiological Hazard Assessment and Exposure Controls | |
| 1, 2 | 10/22/2012 | 10/26/2012 | IP 71124.02 | Occupational ALARA Planning and Controls | |
| 1 | 10/22/2012 | 10/26/2012 | IP 71151-OR01 | Occupational Exposure Control Effectiveness | |
| 1 | 10/22/2012 | 10/26/2012 | IP 71151-PR01 | RETS/ODCM Radiological Effluent | |
| | | | **PSB2-ISI** | **- INSERVICE INSEPCTION** | 2 |
| 1 | 10/22/2012 | 11/02/2012 | IP 7111108P | Inservice Inspection Activities - PWR | |
| | | | **2515/182** | **- UNDERGROUND PIPING PHASE 1** | 2 |
| 1, 2 | 01/01/2013 | 06/30/2013 | IP 2515/182 | Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping | |
| | | | **2515/187** | **- FLOODING WALKDOWNS** | 2 |
| 1, 2 | 01/01/2013 | 12/31/2013 | IP 2515/187 | Inspection of Near-Term Task Force Recommendation 2.3 Flooding Walkdowns | |
| | | | **2515/188** | **- SEISMIC WALKDOWNS** | 2 |
| 1, 2 | 01/01/2013 | 12/31/2013 | IP 2515/188 | Inspection of Near-Term Task Force Recommendation 2.3 Seismic Walkdowns | |
| | | | **PSB2-ISI** | **- UNIT 2 INSERVICE INSPECTION** | 1 |
| 2 | 04/27/2013 | 05/19/2013 | IP 7111108P | Inservice Inspection Activities - PWR | |
| | | | **EP1** | **- BIENIAL PROGRAM INSPECTION** | 1 |
| 1, 2 | 05/06/2013 | 05/10/2013 | IP 7111402 | Alert and Notification System Testing | |
| 1, 2 | 05/06/2013 | 05/10/2013 | IP 7111403 | Emergency Preparedness Organization Staffing and Augmentation System | |
| 1, 2 | 05/06/2013 | 05/10/2013 | IP 7111405 | Correction of Emergency Preparedness Weaknesses and Deficiencies | |
| | | | **PSB2-RP** | **- RADIATION SAFETY** | 2 |
| 1, 2 | 05/06/2013 | 05/10/2013 | IP 71124.01 | Radiological Hazard Assessment and Exposure Controls | |
| 1, 2 | 05/06/2013 | 05/10/2013 | IP 71124.03 | In-Plant Airborne Radioactivity Control and Mitigation | |
| 1 | 05/06/2013 | 05/10/2013 | IP 71151-OR01 | Occupational Exposure Control Effectiveness | |
| 2 | 05/06/2013 | 05/10/2013 | IP 71151-PR01 | RETS/ODCM Radiological Effluent | |

This report does not include INPO and OUTAGE activities.
This report shows only on-site and announced inspection procedures.

# South Texas Project
## Inspection / Activity Plan
## 09/01/2012 - 12/31/2013

| Unit Number | Planned Dates Start | End | Inspection Activity | Title | No. of Staff on Site |
|---|---|---|---|---|---|
| | | | **EXAM** | **- INIT EXAM** | 6 |
| 1 | 08/26/2013 | 08/31/2013 | X02515 | INITIAL EXAM STP UNIT 1(09/2013) | |
| 2 | 08/26/2013 | 08/31/2013 | X02516 | INITIAL EXAM STP UNIT 2 (09/2013) | |
| 1 | 09/30/2013 | 10/11/2013 | X02515 | INITIAL EXAM STP UNIT 1(09/2013) | |
| 2 | 09/30/2013 | 10/11/2013 | X02516 | INITIAL EXAM STP UNIT 2 (09/2013) | |
| | | | **INSP** | **- LICENSED OPERATOR REQUAL INSP** | 3 |
| 1, 2 | 09/09/2013 | 09/13/2013 | IP 7111111B | Licensed Operator Requalification Program | |
| | | | **EB1-21** | **- COMPONENT DESIGN BASIS INSPECTION** | 6 |
| 1, 2 | 10/07/2013 | 11/08/2013 | IP 7111121 | Component Design Bases Inspection | |
| | | | **PSB2-RP** | **- RADIATION SAFETY** | 2 |
| 1, 2 | 12/09/2013 | 12/13/2013 | IP 71124.02 | Occupational ALARA Planning and Controls | |
| 1, 2 | 12/09/2013 | 12/13/2013 | IP 71124.04 | Occupational Dose Assessment | |

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