



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION IV  
612 EAST LAMAR BLVD, SUITE 400  
ARLINGTON, TEXAS 76011-4125

March 4, 2009

Michael Perito  
Vice President, Operations  
Entergy Operations, Inc.  
River Bend Station  
5485 US Highway 61N  
St. Francisville, LA 70775

SUBJECT: ANNUAL ASSESSMENT LETTER - RIVER BEND STATION  
(NRC INSPECTION REPORT 05000458/2009001)

Dear Mr. Perito:

On February 12, 2009, the NRC staff completed its performance review of River Bend Station. Our technical staff reviewed performance indicators for the most recent quarter and inspection results for the period from January 1 through December 31, 2008. The purpose of this letter is to inform you of our assessment of your safety performance during this period and our plans for future inspections at your facility.

This performance review and enclosed inspection plan do not include security information. A separate letter designated and marked as "Official Use Only - Security-Related Information" will include the security cornerstone review and resultant inspection plan.

Overall, River Bend Station operated in a manner that preserved public health and safety and fully met all cornerstone objectives. Plant performance for the most recent quarter was within the Licensee Response Column of the NRC's Action Matrix, based on all inspection findings being classified as having very low safety significance (Green) and all performance indicators indicating performance at a level requiring no additional NRC oversight (Green).

While plant performance for the most recent quarter is within the Licensee Response column of the Action Matrix, plant performance entered the Regulatory Response Column of the NRC's Action Matrix during the first quarter of the assessment cycle as a result of a White performance indicator for unplanned scrams per 7000 critical hours. This performance indicator returned to Green in the second quarter of 2008.

The enclosed inspection plan details the inspections, less those related to physical protection scheduled through June 30, 2010. The inspection plan is provided to allow for the resolution of any scheduling conflicts and personnel availability issues well in advance of inspector arrival onsite. Routine resident inspections are not listed due to their ongoing and continuous nature. The inspections in the last nine months of the inspection plan are tentative and may be revised at the mid cycle review.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be made 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).

If circumstances arise which cause us to change the inspection plan, we will contact you to discuss the change as soon as possible. Please contact Geoffrey Miller at (817) 860-8144 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

***/RA/ WWalker for***

Geoffrey B. Miller, Chief  
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Division of Reactor Projects

Docket: 50-458  
License: NPF-47

Enclosure:  
River Bend Station Inspection/Activity Plan

cc w/enclosure:

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|                  |   |             |   |                     |     |
|------------------|---|-------------|---|---------------------|-----|
| SUNSI Rev Compl. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | ADAMS       | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Reviewer Initials   | WCW |
| Publicly Avail   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Sensitive   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Sens. Type Initials | WCW |
| RIV/SPE/DRP/C    | SRI:RBS   | C:DRP/C     | D:DRS   | D:DRP               |     |
| WCWalker         | GLarkin   | GBMiller    | RJCaniano   | DDChamberlain       |     |
| <b>/RA/</b>      | <b>/RA/T-Walker</b>   | <b>/RA/</b> | <b>/RA/</b>   | <b>/RA/</b>         |     |
| 2/19/2009        | 2/19/2009   | 2/19/2009   | 2/23/2009   | 2/23/2009           |     |

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T=Telephone

E=E-mail

F=Fax

**River Bend**  
**Inspection / Activity Plan**  
 03/01/2009 - 06/30/2010

| Unit Number | Planned Dates |            | Inspection Activity                                     | Title   | No. of Staff on Site |
|-------------|---------------|------------|---|---|----------------------|
|             | Start         | End        |   |   |                      |
|             |               |            | <b>EB1-17T - 50.59 AND MODS</b>                         |   | <b>3</b>             |
| 1           | 04/27/2009    | 05/08/2009 | IP 7111117T   | Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications |                      |
|             |               |            | <b>PSB2-52B - BIENNIAL PI&amp;R INSPECTION</b>          |   | <b>4</b>             |
| 1           | 06/15/2009    | 06/19/2009 | IP 71152B   | Identification and Resolution of Problems                                       |                      |
| 1           | 07/06/2009    | 07/10/2009 | IP 71152B   | Identification and Resolution of Problems                                       |                      |
|             |               |            | <b>RP-ORS4 - OCCUPATIONAL RADIATION SAFETY - ACCESS</b> |   | <b>1</b>             |
| 1           | 09/21/2009    | 09/25/2009 | IP 7112101  | Access Control to Radiologically Significant Areas                              |                      |
| 1           | 09/21/2009    | 09/25/2009 | IP 7112102  | ALARA Planning and Controls   |                      |
| 1           | 09/21/2009    | 09/25/2009 | IP 71151  | Performance Indicator Verification  |                      |
|             |               |            | <b>EB1-08 - INSERVICE INSPECTION</b>                    |   | <b>1</b>             |
| 1           | 09/28/2009    | 10/02/2009 | IP 7111108G   | Inservice Inspection Activities - BWR   |                      |
|             |               |            | <b>RP-TRANS - TRANSPORTATION</b>                        |   | <b>1</b>             |
| 1           | 10/13/2009    | 10/16/2009 | IP 7112202  | Radioactive Material Processing and Transportation                              |                      |
|             |               |            | <b>RP-ORS5 - OCCUPATIONAL RADIATION SAFETY - ALARA</b>  |   | <b>1</b>             |
| 1           | 12/14/2009    | 12/18/2009 | IP 7112101  | Access Control to Radiologically Significant Areas                              |                      |
| 1           | 12/14/2009    | 12/18/2009 | IP 7112102  | ALARA Planning and Controls   |                      |
| 1           | 12/14/2009    | 12/18/2009 | IP 71151  | Performance Indicator Verification  |                      |
|             |               |            | <b>EXAM - INITIAL EXAM</b>                              |   | <b>4</b>             |
| 1           | 03/15/2010    | 03/19/2010 | X02443  | INITIAL EXAM-RB (04/2010)   |                      |
| 1           | 04/19/2010    | 04/23/2010 | X02443  | INITIAL EXAM-RB (04/2010)   |                      |
|             |               |            | <b>EB2-05T - TRIENNIAL FIRE PROTECTION</b>              |   | <b>4</b>             |
| 1           | 04/05/2010    | 04/09/2010 | IP 7111105T   | Fire Protection [Triennial]   |                      |
| 1           | 04/19/2010    | 04/23/2010 | IP 7111105T   | Fire Protection [Triennial]   |                      |
|             |               |            | <b>EP-1 - BIENNIAL EP EXERCISE INSPECTION</b>           |   | <b>3</b>             |
| 1           | 06/07/2010    | 06/11/2010 | IP 7111401  | Exercise Evaluation   |                      |
| 1           | 06/07/2010    | 06/11/2010 | IP 7111404  | Emergency Action Level and Emergency Plan Changes                               |                      |
| 1           | 06/07/2010    | 06/11/2010 | IP 71151-EP01   | Drill/Exercise Performance  |                      |
| 1           | 06/07/2010    | 06/11/2010 | IP 71151-EP02   | ERO Drill Participation   |                      |
| 1           | 06/07/2010    | 06/11/2010 | IP 71151-EP03   | Alert & Notification System   |                      |

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