March 2, 2006

Rick A. Muench, President and
Chief Executive Officer
Wolf Creek Nuclear Operating Corporation
P.O. Box 411
Burlington, KS  66839

SUBJECT:  ANNUAL ASSESSMENT LETTER - WOLF CREEK GENERATING STATION
(NRC INSPECTION REPORT 05000482/2006001)

Dear Mr. Muench:

On February 7, 2006, the NRC staff completed its performance review of Wolf Creek Generating Station.  Our technical staff reviewed performance indicators for the most recent quarter and inspection results for the period from January 1 through December 31, 2005.  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 physical protection information.  A separate letter designated and marked as "Official Use Only - Security-Related Information" will include the physical protection review and resultant inspection plan.

Overall, Wolf Creek Generating Station operated in a manner that preserved public health and safety and fully met all cornerstone objectives.  Plant performance for the most recent quarter, as well as for the first three quarters of the assessment cycle, 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).

The enclosed inspection plan details the inspections, except those related to physical protection, scheduled through September 30, 2007.  Routine resident inspections are not listed due to their ongoing and continuous nature.  In addition to the baseline inspections, the NRC will also be conducting inspections related to Temporary Instruction 2515/150, “Reactor Pressure Vessel Head Penetration Nozzles” (NRC Order EA-03-009).  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.  The inspections in the last 9 months of the inspection plan are tentative and may be revised at the midcycle 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 this inspection plan, we will contact you to discuss the change as soon as possible. Please contact me at 817-860-8141 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

/RA/

William B Jones, Chief
Project Branch B
Division of Reactor Projects

Docket: 50-482
License: NPF-42

Enclosure:
Wolf Creek Inspection/Activity Plan

cc w/enclosure:
Vice President Operations/Plant Manager
Wolf Creek Nuclear Operating Corp.
P.O. Box 411
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Mayor, City of LeRoy  
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The Honorable Ed Fisher  
Mayor, City of Lebo  
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The Honorable Mark Petterson  
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The Honorable Craig Meader  
Mayor, City of Waverly  
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Department of Natural Resources  
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Jefferson City, MO  65102-0570
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ATTN:  Director  
P.O. Box 116  
Jefferson City, MO  65102-0116

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Iola, KS  66749

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J. Donohew, Project Manager (JND)

RidsNrrDirslpab

SUNSI Review Completed: _wbj_ ADAMS: ☑ Yes ☐ No Initials: _wbj_
☑ Publicly Available ☐ Non-Publicly Available ☐ Sensitive ☑ Non-Sensitive

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|             | **EB1-21** - CDB                         | 1                                                  |                      | 06/25/2007 - 06/29/2007 | Baseline Inspections |
| 1           | IP 7111121                               | Component Design Bases Inspection                  |                      |                      |                         |
| 1           | IP 7111121                               | Component Design Bases Inspection                  | 07/09/2007 - 07/20/2007 | Baseline Inspections |

|             | **EB2-12B** - MAINTENANCE RULE INSPECTION | 2                                                  |                      | 07/16/2007 - 07/20/2007 | Baseline Inspections |
| 1           | IP 7111112B                              | Maintenance Effectiveness                           |                      |                      |                         |

|             | **RP-ORS** - OCCUPATIONAL RADIATION SAFETY | 1                                                  |                      | 08/13/2007 - 08/17/2007 | Baseline Inspections |
| 1           | IP 7112101                               | Access Control to Radiologically Significant Areas |                      |                      |                         |
| 1           | IP 7112102                               | ALARA Planning and Controls                        |                      |                      |                         |
| 1           | IP 71151                                 | Performance Indicator Verification                 | 08/13/2007 - 08/17/2007 | Baseline Inspections |

|             | **EB2-07T** - HEAT SINK INSPECTION       | 1                                                  |                      | 09/24/2007 - 10/05/2007 | Baseline Inspections |
| 1           | IP 7111107B                              | Heat Sink Performance                               |                      |                      |                         |

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