August 27, 2003

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

SUBJECT: MIDCYCLE PERFORMANCE REVIEW AND INSPECTION PLAN - WOLF CREEK GENERATING STATION

Dear Mr. Muench:

On August 6, 2003, the NRC staff completed its midcycle plant performance assessment of Wolf Creek Generating Station. The midcycle review for Wolf Creek Generating Station involved the participation of all technical divisions in evaluating performance indicators (PIs) for the most recent quarter and inspection results for the first half of the current assessment cycle, January 1 through December 31, 2003. 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 so that you will have an opportunity to prepare for these inspections and to inform us of any planned inspections that may conflict with your plant activities.

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 PIs indicating performance at a level requiring no additional NRC oversight (Green). Therefore, based on your safety performance, we plan to conduct baseline inspections at your facility through September 30, 2004. However, in addition to the baseline inspections, Temporary Instruction 2515/150, “Reactor Pressure Vessel Head and Vessel Head Penetration Nozzles (NRC Bulletin 2002-02),” will be performed during the upcoming refueling outage.

The enclosed inspection plan details the inspections scheduled through September 30, 2004. The inspection plan is provided to minimize the resource impact on your staff and to allow for scheduling conflicts and personnel availability to be resolved in advance of inspector arrival onsite. Routine resident inspections are not listed due to their ongoing and continuous nature. The inspections in the last 6 months of the inspection plan are tentative and may be revised at the end-of-cycle review meeting.

In accordance with 10 CFR 2.790 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 me at 817-860-8141 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

/RA/

David N. Graves, Chief
Project Branch B
Division of Reactor Projects

Docket: 50-482
License: NPF-42

Enclosure:
Wolf Creek Generating Station Inspection/Activity Plan

c c w/enclosure:
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## Wolf Creek Inspection / Activity Plan

**08/01/2003 - 09/30/2004**

<table>
<thead>
<tr>
<th>Unit Number</th>
<th>Inspection Activity</th>
<th>Title</th>
<th>No. of Staff on Site</th>
<th>Planned Dates Start</th>
<th>Planned Dates End</th>
<th>Inspection Type</th>
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<tbody>
<tr>
<td>OB-RQ</td>
<td>- REQUAL INSPECTION</td>
<td></td>
<td>2</td>
<td>08/04/2003</td>
<td>08/08/2003</td>
<td>Baseline Inspections</td>
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  1. IP 7111111B Licensed Operator Requalification

| PSBS1-DS     | - SECURITY BASELINE INSPECTION |       | 1                    | 09/09/2003          | 09/12/2003        | Baseline Inspections |

  1. IP 7113002 Access Control (Search of Personnel, Packages, and Vehicles: Identification and Authorization)
  2. IP 7113003 Response to Contingency Events (Protective Strategy and Implementation of Protective Strategies)
  3. IP 71151 Performance Indicator Verification

| EMB         | - ISI & ISI/SG INSPECTIONS |       | 1                    | 10/06/2003          | 10/10/2003        | Baseline Inspections |

  1. IP 7111108P Inservice Inspection Activities - PWR
  2. IP 7111108P Inservice Inspection Activities - PWR

| PBB         | - TI 2515/150 RPV HEAD INSPECTION |       | 2                    | 10/18/2003          | 11/01/2003        | Safety Issues |

  1. IP 2515/150 Reactor Pressure Vessel Head and Vessel Head Penetration Nozzles (NRC Bulletin 2002-0)

| ALARA2       | - ALARA PLANNING AND CONTROLS |       | 1                    | 10/20/2003          | 10/24/2003        | Baseline Inspections |

  1. IP 7112102 ALARA Planning and Controls

| ACCESSPI     | - ACRSA/PI |       | 1                    | 10/27/2003          | 10/31/2003        | Baseline Inspections |

  1. IP 7112101 Access Control to Radiologically Significant Areas
  2. IP 71151 Performance Indicator Verification

| EMB         | - PERM. PLANT MODIFICATIONS |       | 2                    | 02/23/2004          | 02/27/2004        | Baseline Inspections |

  1. IP 7111117B Permanent Plant Modifications

| OB-EX       | - OB-INITIAL EXAMINATION |       | 5                    | 04/19/2004          | 04/23/2004        | Not Applicable |

  1. X02247 WOLF CREEK - INITIAL EXAM (12/03)
  2. X02247 WOLF CREEK - INITIAL EXAM (12/03)

| ALARA1       | - ALARA PLANNING AND CONTROLS |       | 1                    | 03/08/2004          | 03/12/2004        | Baseline Inspections |

  1. IP 7112102 ALARA Planning and Controls

| ACCESSPI     | - ACRSA/PIV |       | 1                    | 04/05/2004          | 04/09/2004        | Baseline Inspections |

  1. IP 7112101 Access Control to Radiologically Significant Areas


  1. IP 7111402 Alert and Notification System Testing
  2. IP 7111403 Emergency Response Organization Augmentation Testing
  3. IP 7111404 Emergency Action Level and Emergency Plan Changes
  4. IP 7111405 Correction of Emergency Preparedness Weaknesses and Deficiencies
  5. IP 71151 Performance Indicator Verification

| PIR          | - BIENNIAL PIR |       | 4                    | 07/19/2004          | 08/06/2004        | Baseline Inspections |

  1. IP 71152B Identification and Resolution of Problems

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This report does not include INPO and OUTAGE activities. This report shows only on-site and announced inspection procedures.
## Wolf Creek
### Inspection / Activity Plan
#### 08/01/2003 - 09/30/2004

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<tr>
<td>1</td>
<td>IP 7112103</td>
<td>Radiation Monitoring Instrumentation and Protective Equipment</td>
<td>4</td>
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<td>Radiological Environmental Monitoring Program</td>
<td>1</td>
<td>08/16/2004</td>
<td>Baseline Inspections</td>
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