

November 6, 2002

Mr. J. Forbes
Site Vice-President
Monticello Nuclear Generating Plant
Nuclear Management Company, LLC
2807 West County Road 75
Monticello, MN 55362-9637

SUBJECT: MONTICELLO NUCLEAR GENERATING PLANT
ANNOUNCEMENT OF BASELINE INSPECTIONS

Dear Mr. Forbes:

On February 3, 2003, the NRC will begin the required biennial inspection of safety system design and performance capability (SSDI). In addition, we will also concurrently conduct the biennial permanent plant modifications and changes, tests, or experiments (Mods/50.59) inspection at your Monticello Nuclear Generating Plant. These inspection areas are being combined to take advantage of overlap in the scope of these inspections, to save the NRC and licensee resources, and to thus reduce unnecessary licensee burden. These inspections will be performed in accordance with the NRC baseline inspection procedures 71111.02, 71111.17, and 71111.21. As discussed with Mr. Eric Sopkin on October 23 and Mr. Matt Antony on October 30, 2002, the systems/components to be reviewed during the SSDI portion of the inspection are the secondary containment system and the emergency diesel generators, including support systems (diesel fuel oil, diesel ventilation, diesel starting air, diesel cooling water). In as much as possible, modifications and 50.59s chosen for the other inspection will relate to these systems such that review of the documents can be credited towards multiple baseline procedures.

Experience has shown that the baseline design inspections are extremely resource intensive both for the NRC inspectors and the utility staff. In order to minimize the impact that the inspection has on the site and to ensure a productive inspection for both sides, we have enclosed a request for documents needed for the inspection. The documents have been divided into two groups. The first group lists information necessary in order to ensure the inspection team is adequately prepared for the inspection. This group is divided further into the three inspection areas and should be available to the Regional Office by no later than January 17, 2003. In so far as possible, this information should be provided electronically to the lead inspector.

The second group of documents requested are those items which the team will review or need access to during the inspection. It is important that these documents be as complete as possible, in order to minimize the number of documents requested during the preparation week or during the onsite inspection.

The lead inspector for this inspection is Kenneth O'Brien. If there are any questions about any of the material requested, or the inspection, please call him at 630-829-9821 or e-mail him at kgo@nrc.gov. Alternatively, if you cannot reach Mr. O'Brien, you may contact Patricia Lougheed at 630-829-9760 or vpl@nrc.gov.

In accordance with 10 CFR 2.790 of the NRC's "Rules of Practice," a copy of this letter and its enclosure 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).

Sincerely,

/RA/

David E. Hills, Chief
Mechanical Engineering Branch
Division of Reactor Safety

Docket No. 50-263
License No. DPR-22

cc w/encl: J. Purkis, Plant Manager
R. Anderson, Executive Vice President
and Chief Nuclear Officer
Nuclear Asset Manager
Site Licensing Manager
Commissioner, Minnesota Department of Health
J. Silberg, Esquire
Shaw, Pittman, Potts, and Trowbridge
R. Nelson, President
Minnesota Environmental Control Citizens
Association (MECCA)
Commissioner, Minnesota Pollution Control Agency
D. Gruber, Auditor/Treasurer
Wright County Government Center
Commissioner, Minnesota Department of Commerce
P. Marker, Office of Attorney General

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D. Gruber, Auditor/Treasurer
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P. Marker, Office of Attorney General

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Initial Document Request

I. Information Requested Expeditiously

The following information is requested to be provided as soon as possible, but no later than January 17, 2003. In so far as possible, information should be provided electronically. Note: the sooner the information is provided, the sooner the inspectors can select specific documents for review, such that license clerical staff can begin copying the selected documents.

A. Information Required for all Inspections

1. Name and phone numbers of the technical contact(s).
2. A list of all corrective action documents (condition reports (CRs), both open or closed, that were initiated in the last two years and that relate to problems with the quality of engineering work. For each item, besides the number and title, clearly designate the status (open/closed), the importance ranking, the date initiated, the date closed (if applicable), the status of corrective actions, and a technical contact

B. Information Required for the Safety System Design and Performance Capability Inspection (SSDI) (71111.21)

The items requested below apply **only** to the selected systems (secondary containment system and the emergency diesel generators, including support systems (diesel fuel oil, diesel ventilation, diesel starting air, diesel cooling water)

1. One copy of the system description, design basis document, training manual, and system health report.
2. One copy of the normal and abnormal operating procedures, including those where the systems are required to function.
3. Four half-size copies of the piping and instrument drawings (flow diagrams)
4. Three half-size copies of the single-line electrical diagrams
5. Specifically identify (by number), the calculation(s) that address each of the following areas. If a calculation cannot be identified for a particular areas, please provide an explanation of why such a calculation is not necessary.
 - Breaker and fuse coordination calculations
 - Diesel loading calculations
 - Instrument uncertainty calculations

- Room temperature environmental qualification calculations for major equipment
 - Relay setting calculations
 - Setpoint calculations for all technical specification or emergency operation procedure equipment
 - Time delay calculations (for any component incorporating time delay features)
 - Undervoltage and degraded voltage calculations
 - Voltage drop calculations for all major electrical components (motors, MOVs)
 - Check valve leakage criteria calculations
 - Design basis (flow rates, levels, pressures, temperatures) confirmation calculations (including NSSS calculations)
 - Heat exchanger calculations
 - NPSH and total dynamic head calculations
 - Operability determination support calculations
 - Pressure transient/ water hammer evaluations
 - Pump minimum recirculation flow calculations
 - Relief valve sizing calculations
 - Tank over-pressurization calculations
 - Tank sizing calculations
6. List of all major modifications or setpoint changes made to the selected systems since pre-operational testing. Major changes are those that significantly affected the way the system operated, for example, replacement of major components. Please include the number and title, **the modification purpose (description)**, the date, the status (whether the calculation is active, canceled, superceded or under revision) and a technical contact. Spell out abbreviations, or acronyms and give word titles for any numbers. Note if any of the modifications required prior NRC approval. One way to provide this information is by providing the first sheet of the modification (not the cover letter.)
7. List of CRs that are in the following categories. For each item, besides the number and title, clearly designate the status (open/ closed), the importance ranking, the date initiated, the date closed (if applicable), the status of corrective actions, and a technical contact. (Note: it is not necessary to provide a separate list for each category)
- Any corrective action document open for longer than two years
 - Any corrective action document (open or closed) initiated in the last two years that required an apparent or root cause analysis
 - Any corrective action document (open or closed) initiated in the last two years that required an operability determination (include determination)
8. The corrective maintenance history of major components for the last two years

C. **Information Required for the Permanent Plant Modification Inspection (71111.17)**

If the list of major plant modifications in Item I.B.6 contains at least five modifications that were engineering-completed within the last two years, then only the first two items need to be provided. If Item I.B.6 has less than five modifications performed within the last two years, please provide **all** of the following information, covering a time span from January 2001 to January 2003:

1. One copy of each procedure which controls design change processes at the plant. This includes corporate as well as site specific procedures and includes any of the following (or equivalent) processes: modifications, design changes, set point changes, equivalency evaluations, suitability analysis, alternate part replacements, commercial grade dedications, and post modification testing.
2. List of CRs pertaining to the design change process. For each item, besides the number and title, clearly show the status (open/ closed), the importance ranking, the date initiated, the date closed (if applicable), whether an operability evaluation was required, whether a root or apparent cause evaluation was required and the status of any corrective actions.
3. List of permanent plant modifications/design changes. Please include the number and title, **the modification purpose (description)**, the date, the status (whether the calculation is active, canceled, superceded or under revision) and a technical contact. Spell out abbreviations, or acronyms and give word titles for any numbers. Note if any of the modifications required prior NRC approval. One way to provide this information is by providing the first sheet of the modification (not the cover letter.)
4. List of set point changes. Provide information similar to item 3 above.
5. List of equivalency evaluations, suitability analysis, or alternate part replacements (or other "like-for-like" or "fit, form and function" replacement processes). Provide information similar to item 3 above.
6. List of commercial grade dedications. Provide information similar to item 3 above.

D. **Changes, Tests, or Experiments (10 CFR 50.59)**

The information requested below should cover all plant systems and should span the period from January 2001 to January 2003.

1. One copy of each procedure which controls 10 CFR 50.59 applicability checks, screenings, evaluations, FSAR updates and submittals at the plant. This includes corporate as well as site specific procedures.

2. List of CRs pertaining to the 10 CFR 50.59 process. For each item, besides the number and title, clearly show the status (open/ closed), the importance ranking, the date initiated, the date closed (if applicable), whether an operability evaluation was required, whether a root or apparent cause evaluation was required and the status of any corrective actions.
3. List of all 10 CFR 50.59 evaluations
4. List of all 10 CFR 50.59 screenings that were screened out as not requiring a full evaluation
5. List of all documents where "applicability checks" were done in accordance with NEI 96-07 and it was determined that no 10 CFR 50.59 screening was necessary.
6. List of any special tests, experiments or non-routine operating configurations (if any). Please provide the number of the associated 10 CFR 50.59 evaluation or screening.

II. Information Requested to be Available on First Day of Inspection

We request that the following information be available to the team once it arrives onsite. Reference documents specified in item E do not need to be solely available to the team (i.e., they can be located in a reference library) as long as the team has ready access to them. However, they should have been located prior to the inspection team arriving on site such that if the team requests any of these documents they are available within a short time (i.e., less than two hours).

A. Calculations:

If at all possible, copies of **all** the calculations indicated in Item I.B.5 are to be provided to the team at the start of the inspection. If a large number of calculations were identified for Item I.B.5, then at least one of each type is to be provided, as specified by the team within a week of receiving the list of calculations.

Referenced material pertinent to the calculation is also to be located and, if not copied, at least be made available in a timely fashion

B. Condition Reports:

As specified by the team, copies of those CR's from Items I.A.2, I.B.7, I.C.2, and I.D.2. Associated root cause evaluations, apparent cause analyses, and operability determinations are also to be provided.

C. Drawings:

Please work with the lead inspector or other inspectors to ensure that only copies of necessary drawings are made. Previous inspections have requested half size copies of:

- major equipment drawings (valves, pumps, tanks, strainers), including pump head curves
- isometric drawings for major flow paths
- elementary diagrams
- wiring diagrams
- instrument loop drawings
- instrumentation and control logic drawings

D Modifications:

If at all possible, copies of **all** the major modifications indicated in Item I.B.6 are to be provided to the team at the start of the inspection. If a large number of modifications were identified for Item I.B.6, then copies of those items, as specified by the team, are to be provided.

If additional information had to be provided for Item I.C.3 – I.C.6, then copies of those items, as specified by the team, are to be provided.

For all modifications the package must include the modification design approval, the 10 CFR 50.59 evaluation or screening, and the **completed post-modification test**.

E. Reference materials:

- Equipment qualification binders
- Final safety analysis report
- General set of plant drawings (flow diagrams) (1/2 size)
- IPE/PRA report
- Pre-operational tests, including documents showing resolution of deficiencies
- Procurement documents for major components in each system (verify retrievable)
- Relevant operating experience information (such as vendor letters or utility experience)
- Standards used in system design (such as IEEE, ASME, TEMA)
- System procedures
- Technical data book/ Technical requirements manual
- Technical specifications
- Vendor manuals

F. Self-Assessment

A copy of any self-assessments *generated in preparation for the inspection* is to be provided, along with the associated CR's

G. Surveillances

Copies of the completed surveillances for ALL technical specification equipment (pertaining to the diesel generators or the secondary containment) within the last two years.

- H. Temporary Modifications
Copies of any Temporary Modifications pertaining to the diesel generators or the secondary containment are to be provided.

- I. 10 CFR 50.59
Copies of those completed 10 CFR 50.59 evaluations, screenings, and applicability checks, as specified by the team, are to be provided.