



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION IV
611 RYAN PLAZA DRIVE, SUITE 400
ARLINGTON, TEXAS 76011-4005

April 21, 2008

D. J. Bannister
Vice President and CNO
Omaha Public Power District
Fort Calhoun Station FC-2-4 Adm.
P.O. Box 550
Fort Calhoun, NE 68023-0550

SUBJECT: FORT CALHOUN STATION - NOTIFICATION OF AN NRC TRIENNIAL FIRE PROTECTION BASELINE INSPECTION 05000285/2008006

Dear Mr. Bannister:

The purpose of this letter is to notify you that the U.S. Nuclear Regulatory Commission (NRC), Region IV staff will conduct a triennial fire protection baseline inspection at your Fort Calhoun Station in July and August of 2008. The inspection team will be comprised of reactor inspectors from the NRC Region IV office and a contractor. The team will conduct the inspection in accordance with the baseline Inspection Procedure 71111.05T, "Fire Protection (Triennial)."

The schedule for the inspection is as follows:

- Information gathering visit: July 8–10, 2008
- Onsite inspection: July 28–August 1, 2008
August 11–15, 2008

The team will visit the Fort Calhoun Station on July 8–10, 2008, to gather information, select the fire areas for evaluation, identify documents needed to support the inspection, obtain unescorted access, and to become familiar with your fire protection program. The enclosure to this letter provides an initial list of the documents the team will want to review. The team leader will request that you transmit copies of some of the documents to the NRC Region IV office for team use in preparation for the inspection. We would appreciate it if you could send this information so that it will arrive in our office in Arlington, Texas, by the dates listed in the enclosure.

We request that during the onsite inspection weeks, you ensure that copies of analyses, evaluations, or documentation regarding the implementation and maintenance of the fire protection program, including post-fire safe shutdown capability, be readily accessible to the team for their review. Of specific interest are those documents that establish that your fire protection program satisfies NRC regulatory requirements and conforms to applicable NRC and

industry fire protection guidance. Also, appropriate personnel knowledgeable of: (1) plant systems required to achieve and maintain safe shutdown conditions from inside and outside the control room, (2) the electrical aspects of the post-fire safe shutdown analyses, (3) reactor plant fire protection systems, and (4) the fire protection program and its implementation should be available to support the team at the site during the inspection.

In accordance with 10 CFR 2.390 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).

Your cooperation and support during this inspection will be appreciated. If you have questions concerning this inspection or the inspection team's information or logistical needs, please contact Greg Pick at 817-860-8270.

Sincerely,

/RA/

Linda J. Smith, Chief
Engineering Branch 2
Division of Reactor Safety

Docket: 50-285
License: DPR-40

Enclosure: Triennial Fire Protection
Inspection Supporting Documentation

cc:
Joe I. McManis,
Manager – Nuclear Licensing
Omaha Public Power District
Fort Calhoun Station FC-2-4 Adm.
P.O. Box 550
Fort Calhoun, NE 68023-0550

Winston & Strawn
Attn: James R. Curtiss
1700 K Street NW
Washington, DC 20006-3817

Chairman
Washington County Board of Supervisors
P.O. Box 466
Blair, NE 68008

Omaha Public Power District

- 3 -

Julia Schmitt, Manager
Radiation Control Program
Nebraska Health & Human Services
Dept. of Regulation & Licensing
Division of Public Health Assurance
301 Centennial Mall, South
P.O. Box 95007
Lincoln, NE 68509-5007

Melanie Rasmussen
Bureau of Radiological Health
Iowa Department of Public Health
Lucas State Office Building, 5th Floor
321 East 12th Street
Des Moines, IA 50319

Ronald L. McCabe, Chief
Technological Hazards Branch
National Preparedness Division
DHS/FEMA
9221 Ward Parkway
Suite 300
Kansas City, MO 64114-3372

Electronic distribution by RIV:

- Regional Administrator (Elmo.Collins@nrc.gov)
- DRP Director (Dwight.Chamberlain@nrc.gov)
- DRS Director (Roy.Caniano@nrc.gov)
- DRS Deputy Director (Troy.Pruett@nrc.gov)
- Senior Resident Inspector (John.Hanna@nrc.gov)
- Branch Chief, DRP/E (Jeff.Clark@nrc.gov)
- Senior Project Engineer, DRP/E (George.Replogle@nrc.gov)
- Team Leader, DRP/TSS (Chuck.Paulk@nrc.gov)
- RITS Coordinator (Marisa.Herrera@nrc.gov)

SUNSI Review Completed: GAP ADAMS: X Yes
 X Publicly Available X Non-Sensitive

Initials: GAP

S:\DRS\REPORTS\FC2008006-GAP

ML081120496

SRI:DRS/EB2	C: EB2				
GAP/tek	LJSmith				
04/ /08	04/ /08				

ENCLOSURE

Triennial Fire Protection Inspection Documentation Requested

Please provide the following documentation prior to the onsite information-gathering trip, preferably no later than June 23, 2008. Where practical, please provide copies electronically.

1. The current version of your fire protection program and fire hazards analysis.
2. Post-fire safe shutdown analysis and the supporting calculations that demonstrate acceptable plant response.
3. Copies of the licensing basis documents for fire protection (Safety Evaluation Reports, pertinent sections of the Final Safety Analysis Report, exemptions, deviations, letters to/from the NRC regarding fire protection/fire safe shutdown, etc.).
4. The Fire PRA or portions of the plant's IPEEE addressing fire events.

Please provide the following documentation during the information-gathering visit or by July 18, 2008, in order to support inspection preparation. Where practical, please provide copies electronically. However, drawings should be provided as paper copies of sufficient size that all details are legible.

5. Fire protection program implementing procedures (e.g., administrative controls, operator response procedures for fires, fire fighting procedures, etc.).
6. Operating procedures used for achieving and maintaining hot and cold shutdown conditions from the control room in the event of a fire outside the control room (III.G.2 areas).
7. Operating procedure(s) used to implement an alternative shutdown (III.G.3 areas) capability with or without control room evacuation.
8. Pre-fire plans for the selected fire areas (areas to be selected by the team during the information-gathering trip).
9. A list of equipment used to achieve and maintain hot standby and cold shutdowns in the event of a fire (safe shutdown equipment lists).
10. Piping and instrumentation (flow) diagrams showing the components used to achieve and maintain hot standby and cold shutdowns for fires outside the control room and those components used for those areas requiring alternative shutdown capability. Two copies of the piping and instrumentation (flow) diagrams for these systems of a size sufficient to read all details. These should include the systems used for RCS makeup, RCS pressure control, decay heat removal, and reactivity control, including the essential support systems.

11. Plant layout and equipment drawings for the selected fire areas that identify (a) the physical plant locations of major hot standby and cold shutdown equipment; (b) plant fire area and/or fire zone delineation; and (c) the locations of fire protection equipment, such as detection, suppression, and post-fire emergency lighting units, and (d) fire area boundaries.
12. A listing of design change packages, which were determined to impact fire protection and post-fire safe shutdowns, performed in the last 3 years.
13. Copies of Generic Letter 86-10 evaluations performed in the last 3 years.
14. A listing of open and closed corrective action documents initiated in the last 3 years, which relate to the fire protection program or equipment. Include corrective action document number, date, and subject.
15. A listing of the applicable codes and standards (with the versions) related to the design of plant fire protection features and evaluations of any code deviations.
16. Drawings of the portions of the emergency lighting system which support fire response.
17. Procedures used to remove smoke from safety-related areas and the engineering studies or calculations which support the design basis.
18. Drawings of communication systems credited in the license basis for firefighting and plant operations during fires where control room is occupied and/or evacuated.
19. Piping and instrumentation (flow) diagrams for the fire water and sprinkler systems.
20. A listing of maintenance and surveillance testing procedures for alternative shutdown capability and fire barriers, detectors, pumps and suppression systems.
21. Maintenance Rule performance criteria and a summary of the last 3 years' performance history for fire protection program systems or functions monitored within the Maintenance Rule program.
22. A copy of fire protection program requirements (e.g. limiting conditions for operation, surveillance test requirements) covered by Technical Specifications, Technical Requirements Manual, UFSAR, or similar documents.
23. Copies of internal and external self-assessments, audits, peer-assessments or similar reviews related to post-fire safe shutdown capability or the fire protection program completed since July 1, 2005.
24. A list of manual actions taken outside the control room which are credited to mitigate the consequences of fires in III.G.2 areas (non-alternative shutdown areas). The list should group actions by the initiating fire area or zone and indicate where the action must take place.
25. Electronic copies of operator study guides (i.e. lesson plan text and graphics) or design basis documents that describe the purpose/function/operating characteristics of the safe

shutdown systems (RCS makeup, RCS pressure control, decay heat removal, and reactivity control, including the essential support systems).

26. Two copies of one-line diagrams of the electrical distribution system. These should depict how power gets from the switchyard to ESF loads (480V and 4160V). Also, include the vital DC distribution system one-line diagrams.
27. A list of automatic and manually initiated gaseous fire suppression systems in the plant, giving location and the key equipment being protected.
28. A list of repairs (and the procedure that controls the actions) needed to: a) reach and/or maintain hot shutdown and b) reach and/or maintain cold shutdown.
29. A list of high to low pressure interface valves.
30. A copy of procedures governing the training and operation of the fire brigade.
31. Organization charts of site personnel down to the level of fire protection staff personnel.
32. A contact list of key site personnel who will be supporting this inspection, giving location of their office and phone number onsite.
33. The team would like to observe a fire brigade drill in the plant, if possible, during the week of August 11, 2008. Please put us in contact with the appropriate personnel for planning drills during the onsite information gathering trip.
34. The team would like to perform a walkthrough of the procedure for control room due to fire with qualified operators in the plant during the week of July 28, 2008. Please put us in contact with the appropriate personnel for planning the walkthrough during the onsite information gathering trip.