



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

May 24, 2005

R. T. Ridenoure
Vice President
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 (05000285/2005008)

Dear Mr. Ridenoure:

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 the Fort Calhoun Station in July and August of 2005. The inspection team will be comprised of reactor inspectors from the NRC Region IV office, a resident inspector, and a contractor. The inspection will be conducted in accordance with Inspection Procedure 71111.05T, "Fire Protection (Triennial)," the NRC's baseline fire protection inspection procedure.

The schedule for the inspection is as follows:

- Information gathering visit: July 12-14, 2005
- Onsite inspection: July 25 - 29, 2005
August 8 - 12, 2005

Members of the inspection team will visit the Fort Calhoun Station on July 12-14, 2005, to gather information and documents needed to support the inspection, obtain unescorted access, to become familiar with your fire protection program, and to select the fire areas of interest for the inspection. The enclosure to this letter provides a list of documents the team will need to review. You are requested to 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, no later than noon on July 18, 2005.

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) those 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.

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 Neil O'Keefe at 817-860-8269.

Sincerely,

/RA/

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

Docket: 50-285
License: DPR-40

Enclosure: Triennial Fire Protection
Inspection Supporting Documentation

cc w/enclosure:
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 Senior Project Engineer, DRP/C (**WCW**)
 Team Leader, DRP/TSS (**RLN1**)
 RITS Coordinator (**KEG**)
RidsNrrDipmlipb

ADAMS: Yes No Initials: LJS
 Publicly Available Non-Publicly Available Sensitive Non-Sensitive

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RIV: DRS/PEB/SRI	C: PEB			
NFO'Keefe	LJSmith			
/ra/	/RA/			
05/ 19 /2005	05/19 /2005			

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T=Telephone

E=E-mail

F=Fax

ENCLOSURE

Triennial Fire Protection Inspection Supporting Documentation

1. The current version of your fire protection program and fire hazards analysis.
2. Post-fire safe shutdown analysis.
3. A listing of the fire protection program implementing procedures (e.g., administrative controls, maintenance, surveillance testing, fire brigade).
4. A copy of the operating procedure(s) used to implement alternative shutdown (III.G.3 areas) capability with or without control room evacuation.
5. A copy of the operating procedure(s) used to implement post-fire operator action for III.G.2 areas (non-alternative shutdown).
6. Pre-fire plans for the selected fire areas (to be determined by the team leader during the information-gathering trip).
7. A list of equipment used to achieve and maintain hot standby and cold shutdown in the event of a fire, and two copies of the piping and instrumentation (flow) diagrams for these systems. These should include the systems used for RCS makeup, RCS pressure control, decay heat removal, and reactivity control, including the essential support systems.
8. Plant layout 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.
9. Electrical schematics and cable raceway listings for circuits supplying power to components used to achieve and maintain hot standby and cold shutdown for fires outside the control room and those components used for those areas requiring alternative shutdown capability.
10. A listing of design change packages, which were determined to impact fire protection and post-fire safe shutdown, performed in the last 3 years.
11. A listing of Generic Letter 86-10 evaluations performed in the last 3 years.
12. A summary of open and closed fire protection Condition Reports initiated in the last 3 years which relate to the fire protection program or equipment.
13. Copies of the licensing basis documents for fire protection. This should include all NRC Safety Evaluation Reports discussing the fire protection program or equipment, correspondence requesting or approving exemptions, deviations, etc., and other pertinent documents.

14. A listing of applicable codes and standards related to the design of plant fire protection features and evaluations of any code deviations.
15. A copy of the most current PRA information relating to plant response to fires, such as the plant's individual plant examination external event report (IPEEE). Also, the results of any post-IPEEE reviews, and listings of actions taken or plant modifications conducted in response to IPEEE information.
16. Organization charts of site personnel down to the level of fire protection staff personnel.
17. Drawings showing the emergency lights which support fire response.
18. Procedures used to remove smoke from safety-related areas and the engineering studies or calculations which support the bases for these procedures.
19. Drawings of communication systems credited fire firefighting and plant operations during fires where control room is occupied or evacuated.
20. Piping and instrumentation (flow) diagrams for the fire water and sprinkler systems.
21. Maintenance Rule performance criteria and 3 years worth of 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. A listing of surveillance, testing, and preventive maintenance procedures used for fire protection program equipment.
24. Copies of any internal and external assessment reports of post-fire safe shutdown capability and the fire protection program conducted since the last fire protection inspection. This should include the widest interpretation of assessment (peer reviews, contractor reports, QA audits or assessments, performance indicators, etc.)
25. 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.
26. Design Basis Documents or operator study guides (lesson plan text and graphics preferred) 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).

27. 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. (One copy to Ken Sullivan, one copy to the NRC team members).
28. A list of fire areas which have been analyzed for potential to cause or not cause loss of offsite power. If there is no such analysis, please provide a list of fire areas where offsite power cables are routed, or where key breakers, protective relaying, or transformers are located that deliver/controls offsite power from the switchyard to the 4160V ESF buses.
29. A list of automatic and manually initiated gaseous fire suppression systems in the plant.
30. A list of repairs (and the procedure that controls the actions) needed to: a) reach and/or maintain hot shutdown; b) reach and/or maintain cold shutdown.
31. A list of high to low pressure interface valves.
32. A copy of procedures governing the training and operation of the fire brigade.