

May 8, 2003

MEMORANDUM TO: John A. Nakoski, Chief, Section 1
Project Directorate II
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

FROM: Christopher Gratton, Sr. Project Manager, Section 2
Project Directorate II */RA/*
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

SUBJECT: SURRY POWER STATION, UNITS 1 AND 2 - FACSIMILE
TRANSMISSIONS SUPPORTING UPCOMING CONFERENCE CALL
(TAC NOS. MB6291 AND MB6292)

A facsimile of the questions in Attachment 1 was transmitted on April 25, 2003, to Mr. Gary Miller of Virginia Electric and Power Company. Attachment 2 contains a draft graph depicting fuel oil consumption for the Surry Power Station emergency diesel generators. Both documents supported a conference call with the licensee held on April 30, 2003, regarding the licensee's submittal dated September 5, 2002. In its submittal, the licensee proposed to add provisions to permit inspection and related repair of a buried fuel oil storage tank during plant operation. This memorandum and the attached questions do not convey or represent an NRC staff position regarding the licensee's request.

Docket Nos. 50-280 and 50-281

Attachments: 1. Followup to the April 16, 2003, Request for Additional Information
2. Surry Power Station Emergency Diesel Generator Fuel Oil Consumption Graph

CONTACT: Christopher Gratton, NRR
(301) 415-1055

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NAME	CGratton	CHawes for: EDunnington	JNakoski
DATE	05/08/03	05/08/03	05/08/03

OFFICIAL RECORD COPY
FOLLOWUP TO THE APRIL 16, 2003

REQUEST FOR ADDITIONAL INFORMATION RESPONSE

LICENSE NOS. DPR-32 AND DPR-37

VIRGINIA ELECTRIC AND POWER COMPANY

SURRY POWER STATION UNITS 1 AND 2

DOCKET NOS. 50-280 AND 50-281

The following additional information and clarification is needed:

1. The information that was requested in Q3 is critical in determining how much time is available for the licensee to obtain off-site fuel oil and to refill the only remaining safety-related, seismic, Category 1 storage tank before the 17,500 gallons is depleted. Therefore, a more complete response to the specific question that was asked is required in order to judge whether or not a 48-hour fuel delivery contingency is appropriate for their specific situation. I only consider 17,500 gallons of fuel oil to be available because it is the only seismic, Category 1, safety-related source of fuel oil. The other sources that are discussed are good to know about, but they cannot be relied upon for the worst case scenarios that must be considered. The licensee needs to determine how much time they have available for getting more fuel oil to the site (including how much time is needed to begin filling the tank), and this is the time that should be proposed in the submittal (48 hours may not be appropriate).
2. The licensee credits availability of fuel-oil from Gravel Neck, but provides no information to demonstrate that this source is at all viable following a tornado or hurricane given the proximity of Gravel Neck to the Surry station. If there is more information in this regard, it should be provided. This source is not seismic, Category 1, safety-related and (as stated above) cannot be relied upon for certain event scenarios.
3. In response to Q3, the licensee indicates that "Verification of the offsite replacement fuel supply is required should the above ground tank become inoperable." This is not acceptable. This verification should be performed before the redundant fuel oil tank is taken out of service for the extended maintenance activity and should be included in the list of restrictions/contingency measures. The licensee should also explain in detail how delivery of this offsite source of fuel oil is assured within the allotted time given the conditions that could exist in the vicinity of the site due to postulated hazards, such as earthquake and severe weather conditions (condition of roads for site access, accessibility of fuel oil fill connection, debris effects, flooding, etc.).
4. The response to Q3 indicates that there is advance warning of approaching hurricanes and severe weather conditions that could result in tornado and/or snow or ice storms.

The licensee indicates that a buried fuel oil tank could be returned to service if such impending conditions were to occur. The licensee also indicates that in the event that EDG operation is required while a buried fuel oil tank is out of service, work on the out-of-service tank will be stopped or completed as appropriate to return the tank to service in an expeditious manner. These are very important considerations and should be included in the list of commitments to state that if emergency diesel generator operation is required or if a hurricane or severe weather is approaching while a buried fuel oil tank is out of service, work on the out of service tank will be stopped or completed as appropriate to return the tank to service in an expeditious manner.