

June 5, 2006

MEMORANDUM TO: William H. Ruland, Deputy Director
Spent Fuel Project Office
Office of Nuclear Material Safety
and Safeguards

FROM: Joseph M. Sebrosky, Senior Project Manager **/RA/**
Licensing Section
Spent Fuel Project Office
Office of Nuclear Material Safety
and Safeguards

SUBJECT: SUMMARY OF MAY 24, 2006, MEETING WITH OMAHA PUBLIC
POWER DISTRICT TO DISCUSS AN IMPENDING EXEMPTION
REQUEST TO CERTIFICATE OF COMPLIANCE 1004

On May 24, 2006, the U.S. Nuclear Regulatory Commission (NRC) staff from the Spent Fuel Project Office, and Omaha Public Power District (OPPD) met at NRC Headquarters in Rockville, Maryland. The purpose of the meeting was to discuss an impending exemption request to Certificate of Compliance (CoC) 1004 to support loading 32PT dry shielded canisters (DSCs) for the Standardized NUHOMS® Horizontal Modular Storage System for Irradiated Nuclear Fuel at the Fort Calhoun Station. Enclosure 1 is a list of attendees. Enclosure 2 contains the handouts from the meeting.

Highlights of the Meeting

OPPD explained the reason for the exemption request is to support loading of the 32PT DSCs using a light weight transfer cask designated the OS197L. OPPD provided a draft of the exemption request for discussion during the meeting, which is provided in Enclosure 2. During the meeting OPPD described the need for the request, the proposed time line for the request and the technical content for the exemption.

OPPD stated that they needed the exemption request to: maintain full core off-load capability, provided flexibility for fuel storage option related to managing decay heat loads within the spent fuel pool, and to simplify fuel handling during core reload. OPPD indicated that during a September 2006 refueling outage it intended to replace major components including two steam generators, a reactor vessel head and the pressurizer. OPPD indicated it wanted to load three casks prior to the outage and intended to continue loading casks as conditions allowed after the outage. OPPD stated that it intended to submit the exemption request by May 26, 2006, and was requesting NRC approval by June 30, 2006.

Regarding the technical content of the exemption OPPD indicated that it would be requesting exemptions from technical specification (TS) 1.2.1, 1.2.11, and 1.2.17a associated with CoC 1004. TS 1.2.1, and 1.2.11 involve the transfer cask surface dose rate limits. TS 1.2.17a involves the vacuum drying time for the DSC.

The SFPO staff stated that the June 30th time frame was not consistent with previous experience related to exemption requests. The SFPO staff stated that OPPD should consider ways of simplifying the exemption request in order for the NRC to entertain the schedule that OPPD proposed. The staff also cautioned that there were two issues from the inspection that were still considered unresolved. One issue involved the thermal modeling of the transfer cask on the transfer trailer and the other issue involved the method of evaluation used for some radiological calculations. The staff urged OPPD to consider these issues and whether or not an exemption would be needed for them.

As a result of the meeting several action items were identified including the following:

- C As stated above OPPD took an action to consider ways of simplifying the exemption request.
- C As stated above OPPD took an action to consider if additional unresolved issues associated with the inspection should be part of its exemption request.
- C OPPD took an action to review the wording on page 11 of Attachment 1 of the draft exemption request regarding the timing of the TS 1.2.11 radiation measurement. The wording indicates that the TS measurement would be taken after all water is drained and the DSC is vacuum dried. The staff believes that the measurement should be taken earlier in the process.
- C OPPD and NRC took an action to schedule another public meeting as soon as possible after the exemption was submitted to discuss the exemption and any issues that the staff had with the exemption.
- C NRC took an action on whether and how to followup on Transnuclear's assertion that TN's original 10 CFR 72.48 analysis that the staff reviewed remained unchanged and that TN did not believe a separate amendment to CoC 1004 was needed to support the use of the light weight transfer cask.
- C NRC took an action to review the actions required if the vacuum drying TS was not met. The staff expressed concern during the meeting that the action statement for this TS may not be conservative.
- C NRC took an action to provide OPPD with any feedback it had regarding the draft exemption request as soon as it was available.
- C NRC took an action to let OPPD know if it wanted to review the radiological calculations associated with one of the unresolved inspection issues.

No regulatory decisions were made at the meeting.

Docket Nos. 72-54, 72-1004

Enclosures:

1. Attendance List
2. Meeting Handouts

The SFPO staff stated that the June 30th time frame was not consistent with previous experience related to exemption requests. The SFPO staff stated that OPPD should consider ways of simplifying the exemption request in order for the NRC to entertain the schedule that OPPD proposed. The staff also cautioned that there were two issues from the inspection that were still considered unresolved. One issue involved the thermal modeling of the transfer cask on the transfer trailer and the other issue involved the method of evaluation used for some radiological calculations. The staff urged OPPD to consider these issues and whether or not an exemption would be needed for them.

As a result of the meeting several action items were identified including the following:

- C As stated above OPPD took an action to consider ways of simplifying the exemption request.
- C As stated above OPPD took an action to consider if additional unresolved issues associated with the inspection should be part of its exemption request.
- C OPPD took an action to review the wording on page 11 of Attachment 1 of the draft exemption request regarding the timing of the TS 1.2.11 radiation measurement. The wording indicates that the TS measurement would be taken after all water is drained and the DSC is vacuum dried. The staff believes that the measurement should be taken earlier in the process.
- C OPPD and NRC took an action to schedule another public meeting as soon as possible after the exemption was submitted to discuss the exemption and any issues that the staff had with the exemption.
- C NRC took an action on whether and how to followup on Transnuclear's assertion that TN's original 10 CFR 72.48 analysis that the staff reviewed remained unchanged and that TN did not believe a separate amendment to CoC 1004 was needed to support the use of the light weight transfer cask.
- C NRC took an action to review the actions required if the vacuum drying TS was not met. The staff expressed concern during the meeting that the action statement for this TS may not be conservative.
- C NRC took an action to provide OPPD with any feedback it had regarding the draft exemption request as soon as it was available.
- C NRC took an action to let OPPD know if it wanted to review the radiological calculations associated with one of the unresolved inspection issues.

No regulatory decisions were made at the meeting.

Docket Nos. 72-54, 72-1004

Enclosures:

1. Attendance List
2. Meeting Handouts

DISTRIBUTION:

SBaggett NJensen, OGC NRC attendees/without attachments DMclntyre (OPA) NMSS r/f

OFC:	SFPO	E	SFPO	E	SFPO	
NAME:	JSebrosky		MD for EZiegler		RNelson	
DATE:	6/5/06		6/5/06		6/5/06	

C = COVER

E = COVER & ENCLOSURE

N = NO COPY

OFFICIAL RECORD COPY

Ft. Calhoun Station, Unit 1

cc:

Winston & Strawn
ATTN: James R. Curtiss, Esq.
1700 K Street, N.W.
Washington, DC 20006-3817

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

Mr. John Hanna, Resident Inspector
U.S. Nuclear Regulatory Commission
P.O. Box 310
Fort Calhoun, NE 68023

Regional Administrator, Region IV
U.S. Nuclear Regulatory Commission
611 Ryan Plaza Drive, Suite 400
Arlington, TX 76011-4005

Ms. Julia Schmitt, Manager
Radiation Control Program
Nebraska Health & Human Services R & L
Public Health Assurance
301 Centennial Mall, South
P.O. Box 95007
Lincoln, NE 68509-5007

Mr. David J. Bannister, Manager
Fort Calhoun Station
Omaha Public Power District
Fort Calhoun Station FC-1-1 Plant
P.O. Box 550
Fort Calhoun, NE 68023-0550

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

Mr. Daniel K. McGhee
Bureau of Radiological Health
Iowa Department of Public Health
Lucas State Office Building, 5th Floor
321 East 12th Street
Des Moines, IA 50319

Mr. R. T. Ridenoure
Vice President - Chief Nuclear Officer
Omaha Public Power District
Fort Calhoun Station FC-2-4 Adm.
Post Office Box 550
Fort Calhoun, Nebraska 68023-0550

Fort Calhoun and NRC May 24, 2006
ATTENDANCE LIST

<u>Name</u>	<u>Affiliation</u>
Bill Brach	NMSS/SFPO
Ed Hackett	NMSS/SFPO
Wayne Hodges	NMSS/SFPO
Bill Ruland	NMSS/SFPO
Christopher Regan	NMSS/SFPO
Larry Campbell	NMSS/SFPO
Melanie Wong	NMSS/SFPO
Joe Sebrosky	NMSS/SFPO
Ray Wharton	NMSS/SFPO
Elizabeth Thompson	NMSS/SFPO
Elaine Keegan	NMSS/SFPO
Jorge Solis	NMSS/SFPO
Rob Temps	NMSS/SFPO
Mike Call	NMSS/SFPO
Banad Jagannath	NMSS/SFPO
Shana Helton	NMSS/SFPO
David Tang	NMSS/SFPO
Neil Jensen	NRC/OGC
Scott Atwater (via phone)	NRC/Region IV
Blair Spitzberg (via phone)	NRCRegion IV
David Terao	NRR/LPL4
Sudesh Gambhir	Omaha Public Power District
Harry Faulhaber	Omaha Public Power District
Matt Pohl	Omaha Public Power District
Bernie Van Sant	Omaha Public Power District
T.C. Matthews	Omaha Public Power District
Alan Hanson	Transnuclear/Areva
Tara Neider	Transnuclear
Bob Grubb	Transnuclear
Jayant Bondre	Transnuclear
James Axline	Transnuclear
J.O. Dalton	Westinghouse Electric Co.
Thecla Fabian	Fuel Cycle Week
Carlyn Greene	Spent Fuel

Enclosure 2

Meeting Handouts