



Nebraska Public Power District

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NLS960096
May 13, 1996

U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555-0001

Subject: Response to NRC Bulletin 96-02; Movement of Heavy Loads
Cooper Nuclear Station, NRC Docket No. 50-298, License No. DPR-46

- References:
- 1) NRC Bulletin 96-02, dated April 11, 1996, "Movement of Heavy Loads Over Spent Fuel Pool, Over Fuel in the Reactor Core, or Over Safety-Related Equipment"
 - 2) NUREG 0612, dated July 1980, "Control of Heavy Loads at Nuclear Power Plants"
 - 3) Letter to J. M. Pilant (NPPD) from D. Vassallo (NRC), dated October 31, 1983, "Control of Heavy Loads (Phase 1)"

Gentlemen:

Pursuant to the requirements of 10 CFR 50.54(f), the Nebraska Public Power District (District) hereby submits to the Nuclear Regulatory Commission (NRC) its response to NRC Bulletin 96-02. As required by the bulletin, the District has reviewed its plans and capabilities to handle heavy loads over spent fuel, fuel in the reactor core, or safety-related equipment while the reactor is at power and currently scheduled to be moved within the next two years from the date of the bulletin. The District has determined that its plans and capabilities to handle these heavy loads are in accordance with the existing regulatory guidelines, and that these activities are within its licensing basis. At this time, no changes to the Cooper Nuclear Station's (CNS's) Technical Specifications are required.

Because the modes excluded from the scope of the bulletin (cold shutdown, refueling, and defueled) do not precisely correlate to the plant modes defined in the CNS Technical Specifications, the District has interpreted the scope of the bulletin for CNS as applying to heavy loads being moved during the Run Mode, Startup/Hot Standby Mode, and Shutdown Mode where the station is not in Cold Shutdown (reactor coolant temperature equal to or less than 212° F and the reactor vessel vented). The attached table describes the movement of heavy loads within the scope of this bulletin anticipated within the next two years.

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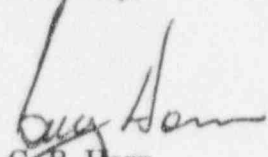
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- * As discussed in Reference 3, the Reactor Building crane, Intake Structure crane, and Control Building hoist (H-7) are all subject to the guidelines of NUREG-0612 (Reference 2). Other load handling devices have been excluded from the guidance of NUREG-0612 because either no safe shutdown/decay heat removal equipment or irradiated fuel is located in proximity of the device, or the load handling device's sole purpose is to provide a maintenance function such that a load drop will damage only equipment which is already out of service for maintenance.
- * The NRC has accepted our response to Phase I to NUREG 0612 in the Safety Evaluation Report (SER) per Reference 3.
- * The District has no plans to lift loads greater than those already analyzed in the Updated Safety Analysis Report (USAR) using the cranes subject to NUREG 0612 guidelines (see attached table).
- * The District currently has no plans to move loads in excess of the analyzed limits (e.g., dry storage casks such as those used at Oyster Creek) over spent fuel.

Should you have any questions or require any additional information, please contact me.

Sincerely,



G. R. Horn
Senior Vice President, Energy Supply

/dnm

Attachments

cc: Senior Project Manager
USNRC - NRR Project Directorate IV-1

Senior Resident Inspector
USNRC - Cooper Nuclear Station

Regional Administrator
USNRC - Region IV

NPG Distribution

May 13, 1996

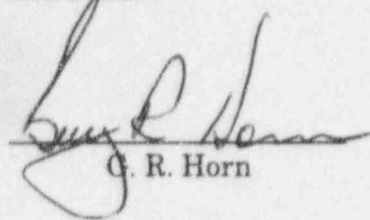
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STATE OF NEBRASKA)

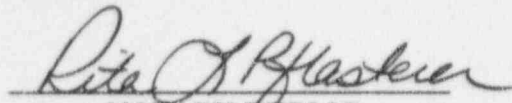
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PLATTE COUNTY)

G. R. Horn, being first duly sworn, deposes and says that he is an authorized representative of the Nebraska Public Power District, a public corporation and political subdivision of the State of Nebraska; that he is duly authorized to submit this response on behalf of Nebraska Public Power District; and that the statements contained herein are true to the best of his knowledge and belief.


G. R. Horn

Subscribed in my presence and sworn to before me this 13th day of
May, 1996.


NOTARY PUBLIC

 GENERAL NOTARY-State of Nebraska
RITA L. PFLASTERER
My Comm. Exp. Dec. 28, 2000

Currently Planned Heavy Load Movements at CNS Within the Scope of IEB 96-02 for the Next Two Years

Loads to be moved by the Reactor Building Crane (Capacity 100 Tons):

Item No.	Heavy Load Movement	Approximate Weight or Capacity (tons)	Current Movement Schedule	Applicable Procedure
1	RPV Specimen Shipping Cask (GE 2000)	17	July 96	Special Procedure 96-053
2	New Fuel Receipts (Shipping Container)	1.4	February 97	CNS Procedure 10.22
3	Fuel Pool Cleanout - TN-RAM Cask - 10-142B Cask - Associated Equipment (e.g., Underwater Shear Compactor, Disposable Liner, Transfer Bell)	40 34 14 (max)	May 1996 through June 96	SORC Approved Special Procedure (to be developed), Special Procedure 96-073 (currently under development) for moving of associated equipment
4	Fuel Pool Coupon Inspection Cask (GE 2000)	17	TBD	CNS Procedure 10.20, SORC Approved Special Procedure (to be developed)
5	Reactor Vessel Cavity Plug Removal - Outside Seal Circulator Cavity Plug - Center Cavity Plug	80 92	June 96 *, March 97 June 96 *, March 97	(both activities) CNS Procedure 7.4.1

* Date based on contingency mid-cycle outage.

**Currently Planned Heavy Load Movements at CNS
Within the Scope of IEB 96-02 for the Next Two Years**

Loads to be moved by the Intake Structure Crane (Capacity 35 Tons):

Item No.	Heavy Load Movement	Approximate Weight or Capacity (tons)	Current Movement Schedule	Applicable Procedure
1	Service Water Pump Rebuilding	6	A - May 96 B - Oct 96 C - Jan 97 D - March 97	CNS Procedure 7.1.8
2	Service Water Pump Closure Plug - To be performed around the time of SW Pump Rebuilding	6	Per above schedule for Service Water pump rebuilding	CNS Procedure 7.1.8

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The following table identifies those actions committed to by the District in this document. Any other actions discussed in the submittal represent intended or planned actions by the District. They are described to the NRC for the NRC's information and are not regulatory commitments. Please notify the Licensing Manager at Cooper Nuclear Station of any questions regarding this document or any associated regulatory commitments.

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