

TENNESSEE VALLEY AUTHORITY

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October 25, 1979

Mr. James P. O'Reilly, Director
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Region II - Suite 3100
101 Marietta Street
Atlanta, Georgia 30303

Dear Mr. O'Reilly:

OFFICE OF INSPECTION AND ENFORCEMENT BULLETIN 79-15 - RII:JPO
50-518, -519, -520, -521, -553, -554 - HARTSVILLE AND PHIPPS
BEND NUCLEAR PLANTS

A partial response for the Hartsville and Phipps Bend Nuclear Plants was submitted on September 10, 1979, in accordance with IE Bulletin 79-15. Enclosed is the final response for the subject bulletin for the Hartsville and Phipps Bend Nuclear Plants. If you have any questions regarding this matter, please call Tish Jenkins at FTS 854-2014.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

L. M. Mills, Manager
Nuclear Regulation and Safety

Enclosure

cc (Enclosure):

Mr. Victor Stello, Director
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Director of the Division of Operating Reactors
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, DC 20555

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ENCLOSURE

FINAL RESPONSE FOR OIE BULLETIN 79-15
DEEP DRAFT PUMP DEFICIENCIES

Hartsville and Phipps Bend Nuclear Plants (50-518, -519, -520,
-521, -553, -554)

The initial response for Hartsville and Phipps Bend submitted on September 10, 1979, stated that additional deep draft pumps were within the Reactor Island design (STRIDE). The attachment identifies the type of pumps, the manufacturer, the model number, the capacity of the pump, and the plant application, and the overall dimensions of the pumps. These pumps have not yet undergone preoperational testing. Only receipt inspection and periodic maintenance checks have been made on those pumps received to date and no deficiencies have been found.

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TABLE 1
 HARTSVILLE NUCLEAR PLANTS A AND B AND PHIPPS BEND NUCLEAR PLANT
 SAFETY-RELATED, DEEP DRAFT, TURBINE-TYPE PUMPS (ADDITIONAL RESPONSE TO IEB 79-15)

<u>Pump ID</u>	<u>Number (for 6 units)</u>	<u>Manufacturer</u>	<u>Model No.</u>	<u>Flow(gpm)/Head(ft) Capacity</u>	<u>Plant Application</u>	<u>Dimension* Length/Dia.</u>
RHR	18	Byron-Jackson	30DX-20CMKH-3	7620/293	Residual Heat Removal	23' - 4.75"/37"
HPCS	6	Byron-Jackson	30DX-19CKXL-13	6250/955	High-Pressure Core Spray	26' - 5.75"/37"
LPCS	6	Byron-Jackson	30DX-20CKXH-5	6250/760	Low-Pressure Core Spray	34' - 1.75"/37"

*Dimensions have been rounded to the nearest inch in length and diameter to nearest one-fourth inch.

- length is from suction or bottom of pump to centerline of discharge pipe.
- diameter is the maximum diameter found along the turbine section.

Note: The HPCS pump for Hartsville unit A2 was tested by Byron-Jackson for 150 hours at the vendor's facility and no deficiencies were noted.

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