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USNRC REGION II  
ATLANTA, GEORGIA  
VIRGINIA ELECTRIC AND POWER COMPANY, RICHMOND, VIRGINIA 23261

19 SEP 17 AIO: 21  
September 14, 1979

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

Serial No. 582A/071179  
PSE&C/MGDjr:mac:wang

Docket Nos. 50-404  
50-405

Dear Mr. O'Reilly:

We have reviewed NRC I.E. Bulletin 79-15 concerning Deep Draft Pump Deficiencies. This Bulletin required all owners of reactor operating licenses and construction permits to provide information concerning the deep draft pumps utilized in safety related applications.

The deep draft pumps utilized at North Anna Units 3 and 4 in safety related applications are:

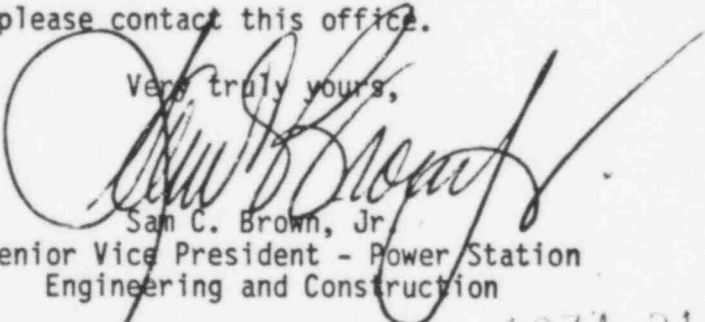
1. Recirculation Pumps
2. Service Water Pumps
3. Auxiliary Service Water Pumps
4. Screenwash Pumps installed in the Service Water Pumphouse

The required information for these pumps is contained in attached Table I.

I.E. Bulletin 79-15 also required licensees to accumulate and make available for inspection at the plant site certain additional information concerning these pumps. Because these pumps have not been installed or operated at North Anna, most of the required information is not available at this time. The only information for all the pumps presently available at the site is the design specifications. Drawings for several of the pumps are also available. The pump maintenance history, required testing, test results, and installation procedures will be available at the site as that information is produced.

If you have any questions, please contact this office.

Very truly yours,

  
Sam C. Brown, Jr.  
Senior Vice President - Power Station  
Engineering and Construction

cc: Mr. Victor Stello, Director  
Office of Inspection & Enforcement

Mr. Harold R. Denton, Director  
Office of Nuclear Reactor Regulation

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TABLE I

IE Bulletin 79-15

Deep Draft Pumps  
North Anna Units 3 and 4

	<u>Recirculation Pumps</u>	<u>Service Water Pumps</u>	<u>Auxiliary Service Water Pumps</u>	<u>Screenwash Pumps</u>
1. Number (total for both units)	8	4	2	2
2. a. Manufacturer	Bingham-Willamette	Bingham-Willamette	Bingham-Willamette	Bingham-Willamette
b. Model	VCR	18 x 34C-VCM	18 x 34C-VCM	4 x 10A-VCM
c. Capacity (gpm/head)	3750/280	13000/156	13000/156	280/210
d. Plant Application	Recirculate water from the containment floor through heat exchangers to spray headers for the purpose of removing heat from the containment atmosphere. Also used for reactor core cooling service.	Circulate water to cool various systems and components. These pumps, located on the main reservoir, are utilized during accident conditions.	Circulate water to cool various systems and components. These pumps are located on the service water reservoir, and are utilized for both normal and accident conditions.	Provide flush water to travelling water screen installed at the service water pumphouse.
3. Overall dimensions of pump				
a. Column length (baseplate to suction bell)	5'-11 1/2"	30'	27'	22'-4 3/4"
b. Column diameter (nominal)	10"	18"	18"	4"
c. Centerline of discharge to bottom of baseplate	15"	3'-7"	3'-5"	7 1/2"
4. Due to the fact that these pumps have not been installed or operated at the site, the requester's start-up summary, routine				
5. maintenance history, discussion concerning operational problems and major repair efforts, and operational history of the				
6. equipment are not available. No testing has been performed on the equipment at the site. The only testing of this equipment that has been performed and completely accepted is the shop performance tests of the Screenwash Pumps. The performance test data for the Service Water and Auxiliary Service Water Pumps is being reviewed for acceptability. The performance tests on the Recirculation Pumps have not been performed.				

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