



THE CLEVELAND ELECTRIC ILLUMINATING COMPANY

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Dalwyn R. Davidson

VICE PRESIDENT

SYSTEM ENGINEERING AND CONSTRUCTION

September 7, 1979

United States Nuclear Regulatory Commission
Office of Inspection and Enforcement
Washington, D.C. 20555

Attn: Director, Division of
Reactor Construction Inspection

Re: Perry Nuclear Power Plant (PNPP)
(Docket Nos. 50-440, 50-441)
IE Bulletin No. 79-15

Dear Sir:

The following has been prepared as a response to IE Bulletin 79-15
pertaining to Deep Draft Pump Deficiencies.

The number of deep draft pumps used in safety-related application on Perry
along with their descriptions is attached. The name of the manufacturer,
the model, capacity, overall dimensions and plant application are included
in the description of these pumps.

We are currently in the process of installing the subject pumps and have
not yet acquired test or operating data at the plant site.

Some repair work on the Byron-Jackson pumps was performed on site. This
work involved the replacement of a bent shaft due to shipping damage, and
return of the Residual Heat Removal seal piping for a factory hydrotest.
In addition, upon witnessing some Byron-Jackson factory pump tests, several
problems were observed, including short coastdowns, galled throttle bushing,
and scored wear rings. These problems were corrected by the supplier
before the pumps were shipped to the Perry site.

If you require further information, please let me know.

Very truly yours,

D. R. Davidson

Vice President

System Engineering and Construction

DRD/cmw

cc: Mr. James G. Keppler, Director
Region III, Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, Illinois 60137

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TYPE	RHR PUMP	LFCS PUMP	HPCS PUMP	EMERGENCY SERVICE WATER PUMPS	
Tag No.	E12C002	E21C001	E22C001	1&2 P45C001 A,B	1&2 P45C002
Total Perry I	3	1	1	2	1
Total Perry II	3	1	1	2	1
Manufacturer	GE/Byron-Jackson	GE/Byron-Jackson	GE/Byron-Jackson	Goulds	Goulds
Model	30DX-20CKXH	30DX-20CKX-H4	30DX-19CKX-L12	VIT 20x30BLC	VIT 8x12JMC
Flow-gpm	7260	6250	1680	11,500	960
Head-ft	293	760	2875	160	160
No. of Stages	3	5	13	2	5
Barrel length-in.	251	275	233	N.A.	N.A.
Barrel dia. - in.	37	37	37	N.A.	N.A.
Suction Nozzle dia.-in.	24	24	24	33	11-3/8
Discharge nozzle dia.-in.	18	16	16	20	8
Baseplate to 1st stage inlet-in.	242	266	275	492	426