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 FACIL: 50-438 Bellefonte Nuclear Plant, Unit 1, Tennessee Valley Au 05000438
 50-439 Bellefonte Nuclear Plant, Unit 2, Tennessee Valley Au 05000439
 AUTH. NAME: AUTHOR AFFILIATION
 MILLS, L. M. Tennessee Valley Authority
 RECIP. NAME: RECIPIENT AFFILIATION
 ADENSAM, E. Licensing Branch 4

SUBJECT: Forwards revised responses to environ Questions 290.7 & 290.0, per 831118 ltr. Eight ERCW pumps located in intake pumping station. Sound pressure level data encl.

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TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401
400 Chestnut Street Tower II

February 14, 1984

Director of Nuclear Reactor Regulation
Attention: Ms. E. Adensam, Chief
Licensing Branch No. 4
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Ms. Adensam:

In the Matter of the Application of) Docket Nos. 50-438
Tennessee Valley Authority) 50-439

Enclosed for your information and use are [revised responses to NRC environmental questions 290.7 and 290.9.] These [responses were revised to include additional information] which had [not been included in our November 18, 1983 letter] to you. Please note that page 290.7-2 was not revised and was therefore not included in this submittal.

If you have any questions concerning this matter, please get in touch with Bill Watters at FTS 858-2691.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

L. M. Mills
L. M. Mills, Manager
Nuclear Licensing

Sworn to and subscribed before me
this 14th day of Feb. 1984

Paulette W. White
Notary Public
My Commission Expires 9-5-84

Enclosure (20)

cc: U.S. Nuclear Regulatory Commission (Enclosure)
Region II
Attn: Mr. James P. O'Reilly Administrator
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30303

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8402170152 840214
PDR ADDCK 05000438
A PDR

February 17, 1954

Director of Federal Bureau of Investigation
Washington, D.C. 20535

Dear Mr. Director:

In the letter of the Department of Justice dated February 11, 1954, you were advised that the Department of Justice has received information regarding the activities of the Communist Party, U.S.A., in the State of California.

It is requested that you advise the Department of Justice of any information you may have regarding the activities of the Communist Party, U.S.A., in the State of California, and that you advise the Department of Justice of any information you may have regarding the activities of the Communist Party, U.S.A., in the State of California.

If you have any questions concerning this matter, please feel free to contact the Department of Justice at Washington, D.C. 20535.

Very truly yours,

THOMAS W. WATSON, Director

L. J. Hill, Special Agent in Charge

U.S. DEPARTMENT OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION
WASHINGTON, D.C. 20535

Enclosed for the Director of the Federal Bureau of Investigation (Enclosure) are two copies of a letterhead memorandum dated February 11, 1954, and captioned as above.

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ENCLOSURE

290.7 Question

Indicate the size and number of pumps in the pumphouse and their noise emission levels, if known.

Response

There are eight essential raw cooling water (ERCW) pumps located in the Intake Pumping Station (number six on the photograph attached to the response to 290.8). The size of these pumps is 13,300 gpm and 900 HP. Attached is a data sheet containing noise information from the pump motor manufacturer. There are four raw service water (RSW) pumps located in the intake pumping station. The size of these pumps is 500 gpm and 75 HP each. No noise emission level information is available. Four screen wash pumps are also located in the intake pumping station. The size of these pumps is 250 gpm and 20 HP each. No noise emission level information is available.

There are eight Hitachi condenser circulating water (CCW) pumps located in the CCW pumphouse (number five on the above referenced photograph). Four pumps operate in parallel for each unit. The size of these pumps is 2900 HP. The flow rate per unit (four pumps) is 435,000 gpm. A data sheet containing noise information on these pumps is also attached (Attachment 2). There are four high pressure fire protection (HPFP) pumps located in the CCW pumphouse. The size of these pumps is 2500 gpm and 325 each. No noise emission level information is available.

Sound Pressure Level Data

Name plate Data

HP	Volts	Amp's	HZ	r.p.m.	Phase	Type-Form	Rating	Serial No.
2900	6600	244	60	508	3	YEFOAN-KK	Cont.	316510-1

Octave	1/3 Octavs	Sound pressure level dB(A)					
		1	2	3	4	5	Room
	100	53	50	56	53	50	33
125	125	53	55	54	55	53	32
	160	54	58	56	58	51	34
250	200	57	62	56	59	53	38
	250	60	65	63	62	56	43
	320	62	63	62	62	59	44
500	400	65	67	65	69	65	45
	500	62	66	63	65	61	46
	630	64	66	64	64	61	46
1000	800	65	68	65	65	61	45
	1000	68	70	73	73	69	48
	1250	73	72	73	76	69	47
2000	1600	69	69	70	71	63	42
	2000	71	71	71	70	63	40
	2500	70	71	71	68	64	38
4000	3200	64	65	66	64	58	38
	4000	63	65	63	63	56	38
	5000	57	57	57	60	52	37
8000	6300	52	50	51	52	44	37
	8000	45	45	44	43	38	32
	10000	-	-	-	-	-	-
Over all	-	79.5	80	79.5	80	74	55

Note 1) The microphone be located at 5 feet from the machine surface.

2) Test conditions are rated voltage and frequency at no-load

Instrument Sound meter : Maker JEIC, Type 1005 No.50517

Microphone : Maker JEIC, Type MS-9 No.8743

Analyzer : Maker JEIC, Type BP-10A No.90419

290.9 Question

Indicate the location, relative to the station cooling towers, the flow rate and the power rating of the station circulating water pumps.

Response

The CCW pumps at BLNP are equivalent to station circulating water pumps. Data on the CCW pumps was given in response to Question 290.7.