

November 20, 1981

Docket No.: 50-537

Distribution

Docket File

NRC PDR

Local PDR

NSIC

CRBR Reading

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Mr. John R. Longenecker
Licensing and Environmental Coordination
Clinch River Breeder Reactor Plant
U. S. Department of Energy, NE-561
Washington, D.C. 20545

Dear Mr. Longenecker:

SUBJECT: CLINCH RIVER BREEDER REACTOR PLANT, REQUEST FOR ADDITIONAL
INFORMATION

Pursuant to the information needs of the staff identified in Section 2.3.3 of Regulatory Guide 1.70.29, "Information for Safety Analysis Reports - Meteorology," we request transmittal via magnetic tape of onsite meteorological data for our evaluation of the radiological consequences of normal and accidental releases to the atmosphere. Please use the enclosed guidance on format and tape attributes (Enclosures 1 and 1A) and provide hour by hour data for the period of record (July 1, 1975-June 30, 1976) which you have used to construct the diffusion estimates reflected in the Tables in Section 2.3 of the PSAR. Also, please include documentation identifying the parameters measured, instrumentation, period of record and a dump of the first block of data on the tape as shown in Enclosure 2. We have assigned question number 451.1 to this request. Please provide this information by December 21, 1981.

Sincerely,

13/ Cecil O. Thomas, Jr.
for Paul S. Check, Director
CRBR Program Office
Office of Nuclear Reactor Regulation

Enclosures:
As stated

cc: Service List

8112040004 811120
PDR ADOCK 05000537
A PDR

OFFICE	CRBRPO:NRR	CRBRPO:NRR	CRBRPO:NRR	CRBRPO:NRR			
SURNAME	RStark/bm	CThomas	WFoster	PSCheck			
DATE	11/20/81	11/20/81	11/20/81	11/20/81			

cc: Marshall Miller, Esq., Chairman
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Enclosure 1A

Tape Attributes

USE

KEYWORDS

	<u>IBM</u>	<u>CDC</u>
Mode:	9-track, 1600bpi, EBCDIC ¹	UNIT = TAPE9, DEN = 3 NT, PE, EB, S, CM = Yes
Internal Labels:	none ²	LABEL = (,NL)
Record Format:	fixed length/blocked	RECFM = FB RT = F, BT = K
Record Length:	160 characters	LRECL = 160 FL = 160
Blocking:	3200 characters/block	BLKSIZE = 3200 RB = 20

¹9-track, 800 bpi, EBCDIC or 7-track, 800 or 556 bpi, BCD are also acceptable

²IBM standard labels are also acceptable

DO NOT USE

Variable length or unformatted records or records that span tape blocks.

e.g. IPM's RECFM = U or VBS

e.g. CDC SCOPE standard tape data format (use the S parameter on the REQUEST to avoid this)

OTHER SYSTEMS

For systems other than IBM or CDC the above information should be used as a guideline to produce tapes with similar characteristics.

Enclosure 1

MAGNETIC TAPE
METEOROLOGICAL DATA

LOCATION:

DATE OF DATA RECORD:

<u>I6</u>	Identifier (can be anything)	
<u>I2</u>	Year	
<u>I3</u>	Julian Day	
<u>I4</u>	Hour (on 24 hr clock)	
		<u>ACCURACY</u>
<u>F5.1</u>	Upper Measurements: Level = meters	
<u>F5.1</u>	Wind Direction (degrees)	<u> </u>
<u>F5.1</u>	Wind Speed (meter/sec)	<u> </u>
<u>F5.1</u>	Sigma Theta (degrees)	<u> </u>
<u>F5.1</u>	Ambient Temperature (°C)	<u> </u>
<u>F5.1</u>	Moisture: <u> </u>	<u> </u>
<u>F5.1</u>	Other: <u> </u>	<u> </u>
<u>F5.1</u>	Intermediate Measurements: Level = meters	
<u>F5.1</u>	Wind Direction (degrees)	<u> </u>
<u>F5.1</u>	Wind Speed (meters/sec)	<u> </u>
<u>F5.1</u>	Sigma Theta (degrees)	<u> </u>
<u>F5.1</u>	Ambient Temperature (°C)	<u> </u>
<u>F5.1</u>	Moisture: <u> </u>	<u> </u>
<u>F5.1</u>	Other: <u> </u>	<u> </u>

Enclosure 1

- 2 -

<u>F5.1</u>	Lower Measurements: Level = meters	
<u>F5.1</u>	Wind Direction (degrees)	_____
<u>F5.1</u>	Wind Speed (meters/sec)	_____
<u>F5.1</u>	Sigma Theta (degrees)	_____
<u>F5.1</u>	Ambient Temperature (°C)	_____
<u>F5.1</u>	Moisture: _____	_____
<u>F5.1</u>	Other: _____	_____
<u>F5.1</u>	Temp Diff (Upper-Lower) (°C/100 meters)	_____
<u>F5.1</u>	Temp Diff (Upper-Intermediate) (°C/100 meters)	_____
<u>F5.1</u>	Temp Diff (Intermediate-Lower) (°C/100 meters)	_____
<u>F5.1</u>	Precipitation (mm)	_____
<u>F5.2</u>	Solar Radiation (cal/cm ² /min)	_____
<u>F5.1</u>	Visibility (km)	_____
<u>F5.1</u>	Other: _____	_____
<u>F5.1</u>	Other: _____	_____

