



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

Docket
File

AUG 10 1978

Docket No: 50-438 ✓
and 50-439

All Power Reactor Licensees and Applicants with Applications for a License to Operate or Construct a Power Reactor

Gentlemen:

SUBJECT: STANDARD FORMAT FOR METEOROLOGICAL DATA ON MAGNETIC TAPE

A standardized format for providing hour-by-hour meteorological data on magnetic tapes that would facilitate our review of atmospheric diffusion characteristics and cooling system impacts was distributed in a letter in April 1977. This has led to a faster and more efficient meteorological review in the cases where these hourly data tapes have been received. However, even though most of the magnetic tapes that have been received since April 1977 have met the data formatting criteria, problems with the physical attributes such as tape recording technique, density, internal labels, etc., have rendered some of the tapes unreadable. This has led to delays in attempts to process the tape data or in the request and delivery of a second tape as a replacement from the originator. To give further guidance in this area, a more detailed description of the tape attributes for an IBM and CDC system is enclosed. Questions on the standard format should be referred to William Snell, Hydrology-Meteorology Branch, Division of Site Safety and Environmental Analysis, phone number 301-492-7288.

Sincerely,

Domenic B. Vassallo, Assistant Director
for Light Water Reactors
Division of Project Management

Enclosure:
As stated

may
let

Tennessee Valley Authority
ATTN: Mr. N. B. Hughes
Manager of Power
830 Power Building
Chattanooga, Tennessee 37201

cc: Herbert S. Sanger, Jr., Esq.
General Counsel
Tennessee Valley Authority
400 Commerce Avenue, EllB33
Knoxville, Tennessee 37902

Mr. E. G. Beasley
Tennessee Valley Authority
400 Commerce Avenue, W9C 165
Knoxville, Tennessee 37902

Mr. D. Terrill
Licensing Engineer
Tennessee Valley Authority
303 Power Building
Chattanooga, Tennessee 37401

Mr. Dennis Renner
Babcock & Wilcox Company
P. O. Box 1260
Lynchburg, Virginia 24505

Mr. Robert B. Borsum
Babcock & Wilcox Company
Suite 420
7735 Old Georgetown Road
Bethesda, Maryland 20014

USEKEYWORDS

		<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: