

8/13/78

Docket No:

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,

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

Enclosure:
As stated

POOR ORIGINAL

8106100 403

USE

Mode: 9-track, 1600bpi, EBCDIC¹
 Internal Labels: none²
 Record Format: fixed length/blocked
 Record Length: 160 characters
 Blocking: 3200 characters/block

KEYWORDS

IBM
 UNIT = TAPE9, DEN = 3
 LABEL = (;NL)
 RECFM = FB
 LRECL = 160
 BLKSIZE = 3200

Car
 NT, PE, EB, S, CW =
 RT = F, BT = K
 FL = 160
 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.

APR 22 1977

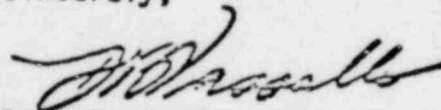
Gentlemen:

SUBJECT: STANDARD FORMAT FOR METEOROLOGICAL DATA ON MAGNETIC TAPE

Regulatory Guide 1.70, Revision 2, "Standard Format and Content of Safety Analysis Reports for Nuclear Power Plants" (September 1975), recommends that, if possible, hour-by-hour meteorological data should be provided on magnetic tape. The draft Environmental Standard Review Plan for meteorology (included in NUREG-0158, Part 1, January 1977) provides some guidance on the types of magnetic tapes that are acceptable and identifies limitations on block size and density. We have also developed a standardized format (Enclosure 1) for providing hour-by-hour meteorological data on magnetic tapes that would facilitate our review of atmospheric diffusion characteristics and cooling system impacts. Enclosure 2 provides a sample tape dump using this format. We would prefer receiving meteorological data magnetic tapes in the standard format; however, we will accept data on magnetic tape in any reasonable format, if the format is completely described (per guidance in NUREG-0158, Part 1) and a sample tape dump is provided. Questions on this standard format should be referred to William Snell, Hydrology-Meteorology Branch, Division of Site Safety and Environmental Analysis, phone number 301-492-7384.

This request for generic information was approved by GAO under blanket clearance number B-180225 (R0072). This clearance expires July 31, 1977.

Sincerely,



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

Enclosures:
As Stated

DUPLICATE DOCUMENT

Entire document previously
entered into system under:

AND

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No. of pages:

5