

JAN 24 1990

MEMORANDUM FOR: Emily Robinson  
Information Technology Services Branch  
Division of Information Support Services  
Office of Information Resources Management

FROM: Giorgio Gnugnoli  
Operations Branch  
Division of Low-Level Waste Management  
and Decommissioning, NMSS

SUBJECT: SCIENTIFIC CODES AND DATA ON TAPE STORAGE MEDIA

Per David Diehl's January 5, 1990 memorandum, I have completed the tape inventory control form regarding the subject codes assigned to me. I do not foresee frequent use of these codes in the next few years, but some capability to run these codes will be necessary as the NRC moves to ICRP-26 dosimetric compliance. If possible, the MILDOS and NUSINHAL codes should be retained; the UDAD code can be deleted. More specifics regarding the status and conversion of the codes assigned to me is contained in the enclosed form.

If you have any questions regarding this memorandum, please call me at X20578.

ORIGINAL SIGNED BY

Giorgio Gnugnoli  
Operations Branch  
Division of Low-Level Waste Management  
and Decommissioning, NMSS

Enclosure. As stated

DISTRIBUTION:

Central File #204.2.2

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PDR Yes:

PDR No:  Reason: Proprietary  or CF Only

ACNW Yes:  No:

SUBJECT ABSTRACT: SCIENTIFIC CODES AND DATE ON TAPE STORAGE MEDIA

OFC : LLOB	:	:	:	:	:	:
NAME: GGnugnoli/JJ	:	:	:	:	:	:
DATE: 01/27/90	:	01/ /90	:	01/ /90	:	01/ /90

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TAPE INVENTORY CONTROL FORM

1. Tape Number or some identification: A36498 ITS#7
2. Filename or group of files on same tape: MILDOS.
3. Responsibility: Branch: Operations Branch (LLWM/LLOB)  
Primary contact (name, phone): Giorgio Gnugnoli, 49-20578.  
Backup contact (name, phone): Director, URFU, FTS 776-2805.
4. Is it necessary to keep some of these files indefinitely?: NO.  
List those which can be deleted: MILDOS.
5. For those to be kept, list a brief justification. (E.g., licensing review, simulation, structural calculations, containment analysis.):

6. Mark anticipated use

During FY90, I need it implemented on MV/8000 \_\_\_\_\_, INEL \_\_\_\_\_,  
other \_\_\_\_\_.

Does the code need changes or updates in FY90? YES \_\_\_\_\_, NO X \_\_\_\_\_.  
If yes, please describe briefly:

(Note: Conversion tasks can incorporate code changes effectively because the conversion process requires testing with sample cases and update documentation).

If use is anticipated after FY90, do you want it to remain on archive tape at INEL \_\_\_\_\_ or at NRC \_\_\_\_\_?

7. Comments: A MILDOS code file should be retained on at least one tape, either this one or X90075.

## TAPE INVENTORY CONTROL FORM

1. Tape Number or some identification: A36498 ITS#7
2. Filename or group of files on same tape: UDAD.
3. Responsibility: Branch: Operations Branch (LLWM/LLOB)  
 Primary contact (name, phone): Giorgio Gnugnoli, 49-20578.  
 Backup contact (name, phone): NONE.
4. Is it necessary to keep some of these files indefinitely?: NO.  
 List those which can be deleted: UDAD.
5. For those to be kept, list a brief justification. (E.g., licensing review, simulation, structural calculations, containment analysis.):
6. Mark anticipated use:  
 During FY90, I need it implemented on MV/8000 \_\_\_\_\_, INEL \_\_\_\_\_,  
 other \_\_\_\_\_.  
 Does the code need changes or updates in FY90? YES \_\_\_\_\_, NO X\_\_\_\_\_.  
 If yes, please describe briefly:  
  
 (Note: Conversion tasks can incorporate code changes effectively because the conversion process requires testing with sample cases and update documentation).  
  
 If use is anticipated after FY90, do you want it to remain on archive tape at INEL \_\_\_\_\_ or at NRC \_\_\_\_\_?
7. Comments:



## TAPE INVENTORY CONTROL FORM

1. Tape Number or some identification: A36498 ITS# 7.
2. Filename or group of files on same tape: NUSINHAL.
3. Responsibility: Branch: LLWM/LLOB.  
 Primary contact (name, phone): Giorgio Gnugnoli, 49-20578.  
 Backup contact (name, phone): NONE.
4. Is it necessary to keep some of these files indefinitely?: YES.  
 List those which can be deleted:
5. For those to be kept, list a brief justification. (E.g., licensing review, simulation, structural calculations, containment analysis.):  
NUSINHAL - licensing review and for comparison purposes for NRC conversion to ICRP-26 dosimetric methods.
6. Mark anticipated use:  
 During FY90, I need it implemented on MV/8000  X , INEL  ,  
 other  IBM PC/XT .  
 Does the code need changes or updates in FY90? YES  X , NO  .  
 If yes, please describe briefly:  
The NUSINHAL code needs to be converted for potential use on the MV/8000 and, if possible, use on the IBM PC/XT.  
 (Note: Conversion tasks can incorporate code changes effectively because the conversion process requires testing with sample cases and update documentation).  
 If use is anticipated after FY90, do you want it to remain on archive tape at INEL   or at NRC  X  ?
7. Comments: The NUSINHAL code is a separate driver code subroutine from MILDOS. Since there are versions of MILDOS for IBM/PC XT applications, NUSINHAL should be readily convertible.

## TAPE INVENTORY CONTROL FORM

1. Tape Number or some identification: X90075(ER)
2. Filename or group of files on same tape: MILDOS master distrib.
3. Responsibility: Branch: LLWM/LLOB.  
 Primary contact (name, phone): Giorgio Gnugnoli, 49-20578.  
 Backup contact (name, phone): Director, URFO, FTS 776-2805.
4. Is it necessary to keep some of these files indefinitely?: YES.  
 List those which can be deleted:
5. For those to be kept, list a brief justification. (E.g., licensing review, simulation, structural calculations, containment analysis.):  
MILDOS - licensing reviews for new uranium recovery facilities, as well as for renewals.
6. Mark anticipated use:  
 During FY90, I need it implemented on MV/8000 X, INEL \_\_\_\_\_, other IBM PC/XT \_\_\_\_\_.  
 Does the code need changes or updates in FY90? YES X, NO \_\_\_\_\_.  
 If yes, please describe briefly:  
MILDOS - code must be updated to run on either MV/8000 and/or IBM/PC XT.  
 (Note: Conversion tasks can incorporate code changes effectively because the conversion process requires testing with sample cases and update documentation).  
 If use is anticipated after FY90, do you want it to remain on archive tape at INEL \_\_\_\_\_ or at NRC X ?
7. Comments: As mentioned previously, only one copy of MILDOS should be retained at NRC; whether it is on one tape or another is inconsequential. The MILDOS code is part of the historical record still involved in ongoing uranium industry lawsuits.