To: Health Physics Surveyors
on: John Enders

4/29/65

Subject: Disposal well use for burying fissile material

0575 General

I have recently prepared a draft of a Standard Operating Procedure on above subject and expect to have a final copy in the near future. However, until the S.O.P. is available, please follow instructions in this memo if you are assigned to supervise a disposal operation involving use of disposal wells.

Check the Disposal Logbook to determine which well to use.

A. There is a limit on the number of grams of fissile material (U^{233}, U^{235} or Pu^{239}) that may be placed in one well -- no more than 500 gm.

1. This means we must assure ourselves that any new additional amounts of fissile material added to what is already in the well will not exceed 500 grams.

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All classified, contaminated material must have form 252-R properly filled out and signed prior to time of disposal.

You may refuse to permit disposal until

you know with reasonable accuracy the gram quantity of fissile material in the package(s).

V You must know the identity of the material prior to disposal and how it is packaged.

VI After disposal you must do the following:

A. Return the access gate key to its storage place.
NOTE Be sure you have locked the gate!

B. Log into the Disposal Logbook the following:

1. Date of disposal, Disposal Area # well #.
2. Gamma flux at ground level of well used.
3. Origin of waste material (Site, # Group).
4. Waste identity
5. How waste is packaged + number of packages.
6. Estimated volume of waste in cubic feet
7. Estimated Curie content
8. Radiation level of waste (low, intermediate or high)
9. How delivery was made.
10. Your name in full (no initials).
11. The accumulative total (in grams) of fissile material in the disposal well.

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