NOTICE

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Walter J. Williams, Director, Division of
Production, Washington, D. C.
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Operations Office, Richland, Washington
MINUTES OF JOINT MEETING WITH UNITED STATES GEOLOGICAL
SURVEY, ATOMIC ENERGY COMMISSION, AND GENERAL ELECTRIC
TO DISCUSS WASTE DISPOSAL PROBLEMS, OCTOBER 27, 1949

MEMO TO
SYMBOL: PACWRC

29064

Transmitted herewith for your information are five copies of
"Minutes of Joint Meeting with United States Geological Survey,
Atomic Energy Commission and General Electric to Discuss Waste
Disposal Problems, October 27, 1949."

Important conclusions reached in the Richland meeting are as
follows:

1. General agreement was reached in light of the
discussion that the present practices of cribbing
are not too hazardous to continue temporarily.*
at present production levels almost any situation
that can be anticipated could be handled for, say,
the next five to 10 years by which time it is
presumed that new waste disposal methods will have
been developed and placed in service.
2. Second cycle wastes can be discharged to the ground
in limited quantities after a reasonable "aging"
period without unnecessarily complicating the general
situation. The limiting factors are (1) the total
amount of Pu released to the ground as a result of
cribbing second cycle wastes should not exceed about
a 25% increase in the total amount of Pu discharged
from all other sources combined on an annual basis,**
(2) cribbing should be done only to the extent required
to negate the necessity of constructing new tank farm
facilities and (3) the "oldest" waste should, in all
cases, be discharged first.

*By implication, based on the estimated current annual
release (100-125 gms.), i.e., up to 30 gm. per year
from second cycle wastes is currently "reasonable."

CLASSIFICATION CANCELLED
OR CHANGED TO *Unclass*
BY AUTHORITY OF *PLD-CG-4*
BY *W. A. Smith* DATE *3-4-92*

2/28/92 3-5-92
Shadler 3-5-92

MASTER

Distribution:

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3. Div. of Bio. & Med.

4. Div. of Reactor Devel.

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6. Operations Files

-2-

Walter J. Williams

David F. Shaw

MINUTES OF JOINT MEETING WITH UNITED STATES GEOLOGICAL
SURVEY, ATOMIC ENERGY COMMISSION, AND GENERAL ELECTRIC
TO DISCUSS WASTE DISPOSAL PROBLEMS, OCTOBER 27, 1949

REFER TO

SYMBOL: PASWEG

3. It appears entirely reasonable to continue the present practice of discharging cooling water to swamps near the 200 area indefinitely, with the possibility existing that the points of discharge may be moved if necessary to control a hazardous condition in the water table.

*CAUTION: ALL MEMBERS OF THE CONFERENCE WERE AGREED THAT
(1) THE DISPOSAL OF RADIOACTIVE WASTES INTO THE GROUND,
BY CRIPS OR PUMPS, WAS ONLY AN EXPEDIENT PRACTICE WHICH
COULD BE TOLERATED NO LONGER THAN NECESSARY FOR THE DEVELOP-
MENT OF PRACTICABLE METHODS FOR DISPOSAL BY OTHER MEANS;
AND (2) DEVELOPMENT OF SUCH METHODS SHOULD BE PUSHED
VIGOROUSLY, WITH THE OBJECTIVE OF REACHING A SOLUTION WITHIN
FIVE YEARS AT THE MOST.

Under the investigative program contemplated, work of the U. S. Geological Survey will be coordinated directly by the Hanford Operations Office. The Geological Survey will be responsible for the problem of developing the basic geologic and hydrologic information which would advance the present understanding of those features affecting underground water flows and is essential to successful anticipation of future problems regarding the movement of active materials underground. The General Electric Company would handle all work involving contamination, or inside exclusion areas, the problem of determining the effects of the operating disposal practices, and tracing the activity released by these processes.

The Geological Survey and the General Electric Company programs will be submitted to the Hanford Operations Office for approval and allocation of funds. An over-all program will then be achieved by use of an agreed upon consolidated priority list of projects.

Encl.:

28864, Cys 1 to 5A, incl.

cc: Division of Biology & Medicine (Cy 6A encl.)
Division of Reactor Development (Cy 7A encl.)

END

**DATE
FILMED
6/01/92**