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- #1 - D. H. Lauder
- #2 - W. H. Milton, Jr.-Pittsfield
- #3 - C. N. Gross
- #4 - J. E. Mairer HW-7-5274
- #5 - W. K. MacCreedy
- #6 - 700 File
- #7 - Pink
- #8 - Yellow

HW-7-5274

Classification Controlled (Change to)

declassified.

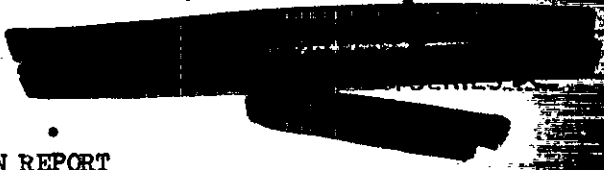
By Authority of

SE Sydney 4/3/91

DG Kisher 8/3/91

TR Buer 8/8/91

October 28, 1946



H.E.W. PRODUCTION REPORT
WEEK ENDING 11:59 P.M. OCTOBER 27, 1946

FILE AREAS

	B.	D.	F.
Hours Operated	*	73.3	152.1
Hours Down Time	*	94.7	15.9
MWD Produced	*	543	1259
Discharged - Tons	*	6.91	9.78
Discharged - MWD	*	1423	2004
River Water Inlet Temperature °C Avg.	*	13.8	13.8
Unit Inlet Temperature °C Avg.	*	12.9	14.2
Exit Temperature °C Avg. (20 Hottest Tubes 0.240 Zone)	*	49.4	45.3

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*B File - Stand-by

Reviewed by J.B. Flynn Date 1-25-96

Remarks

The 10F-D File was shut down on October 21, 1946 for a prolonged outage to perform several major maintenance items. These included the following:

- a) Complete overhaul of equipment in Electrical Sub-station, Bldg. 151-D.
- b) Replacement of B-test hole thimble.
- c) Replacement of near side neoprene seal.
- d) Installation of both high tank strainer assemblies.
- e) Removal of cork liner and one course of bricks at the top of the near side of the pile. The opening thus created was covered with a neoprene strip.
- f) Installation of a new mattress plate and 3 mattress plate extensions.

During the outage, two high concentration tubes (#1776 and #2487) were pushed and replaced with regular metal. Poison tube #2066 was discharged and replaced with 27 pieces of Special Request #15-8 (lithium fluoride). Poison tube #1474 was discharged and replaced with 18 pieces of Special Request #15-7 (lithium fluoride). Tube #2084 containing cast material was discharged and recharged with regular metal. Exclusive of the above, a total of 52 tubes were discharged and recharged with regular metal. Six of these 52 were temporarily charged with poison pieces for start-up purposes.

Due to film deterioration, portions of this document may be illegible.

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7-52

The pile was started at 10:40 p.m. on October 24, 1946, following which coefficient tests were made and a low level power run was carried out to facilitate a Technical Department study (Production Test #105-78-P). Following the above, the pile was operated at a nominal level of 250 MW from 4:37 p.m. on October 25, 1946 to 8:15 a.m. on October 26, 1946, at which time it was shut down to discharge the above 6 temporary poison tubes and replace them with regular metal. The pile was started at 12:20 p.m. on October 26, 1946.

The 105-F pile was scrambled on October 22, 1946 by the #1 safety circuit because of low process water pressure when the #4 controller at Bldg. 190 failed momentarily. The pile was started again immediately. On October 23, 1946, the 105-F pile was shut down and 76 regular tubes were discharged. Of these, 75 were recharged with regular metal. Tube #2284 was poroscoped, following a difficult discharge, and found to be gouged. This tube was filled with lead dummy pieces and will be replaced in the future.

SEPARATION AREAS

	<u>b</u>	<u>f</u>	<u>Total</u>
No. of Runs Started	7	2	9
No. of Runs Completed	9	2	11
No. of Runs Completed at the Isolation Bldg.	5	1	6
Weight of Product delivered to Army			0

Remarks

A routine acid wash run to check for product hold-up in process vessels was completed at the T Plant. No unusual hold-ups were found.

The third master recycle run of the month was started at the T Plant.

Due to mechanical difficulties in the B Plant, it was necessary to recycle a high product waste for recovery. This run is identified as B-D23-A.

METAL PREPARATION AND CANNING AREA

Regular Slugs

Canned:	3870
Accepted:	3773
Percent Yield:	97.4
Autoclaves:	MZ's - 3587, 23 warped, 3 marred surface
	Z's - 144, 1 warped
	X's - 48, all good
Extrusion:	410
Machining:	3153, regular
	1333, unbonded
Reclamation:	1728, unbonded
Chip Recovery:	0
Oxide Burned:	2393.2 lb.

C. N. Gross
C. N. GROSS

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