Oak Ridge Health Study Document Summary Form

DOCUMENT TITLE: "CLINTON PILE SURVEY OF START-UP AND INITIAL OPERATION"

DOCUMENT NUMBER OR IDENTIFIER: TNX-8

AUTHOR(S): GAST, P. F.

PUBLICATION DATE: 03/23/44

DATA TIME PERIOD: Start / Stop

LOCATION OF COPY (if one was made):

CLASSIFICATION CATEGORY: UNK (UNC) OUO UCNI CL* *Category & Level: FRD or RD or NSI; CONF or S or TS

SITE(S) DOCUMENT ADDRESSES: K (X) Y S ORR MELT CLIN WOC WOL POPL EFPC PCE BEAR WATT

SOURCE/LOCATION OF DOCUMENT: X-10 ORC (BOX 555 FILE 555/13

DOCUMENT CATEGORY

AI [DL dr dc da] [ED ea ew es ef] EP (HO) hp hr hs hw] IN IP [ST sa sw ss] TM WP

Primary category - circle once; Secondary category (optional) - circle twice. Circle only one in a bracketed group.

DATE ENTERED INTO DATABASE: BY: InMagic No.

KEYWORDS: GRAPHITE REACTOR POWER PILE STARTUP

STRACT:

Describes operations work prior and during slug loading, start-up, and operations and research work subsequent to loading. Detailed descriptions of loading patterns, power calibration of the pile (e.g., by measuring the heat developed in a slug).

Did not request a copy

REVIEWER: WIDNER, T.E. DATE REVIEWED: 9/15/95

ChemRisk Document No. 3028

Rev 2, 5/15/95

Oak Ridge Health Study Document Summary Form

DOCUMENT TITLE: Notebook CL-69; 100 Area Logbook No. 4

DOCUMENT NUMBER OR IDENTIFIER: CL-69

AUTHOR(S): Porter, W. W. et al.

PUBLICATION DATE: 05/08/44

DATA TIME PERIOD: Start 03/02/44 Stop 05/08/44

LOCATION OF COPY (if one was made):

CLASSIFICATION CATEGORY: UNK (UNC) OUO UCNI CL* *Category & Level: FRD or RD or NSI; CONF or S or TS

SITE(S) DOCUMENT ADDRESSES: K (X) Y S ORR MELT CLIN WOC WOL POPL EFPC PCE BEAR WATT

SOURCE/LOCATION OF DOCUMENT: X-10 ORC (BOX T-242)

DOCUMENT CATEGORY

AI [DL dr dc da] [ED ea ew es ef] EP (HO) hp hr hs hw] IN IP [ST sa sw ss] TM WP

Primary category - circle once; Secondary category (optional) - circle twice. Circle only one in a bracketed group.

DATE ENTERED INTO DATABASE: BY: InMagic No.

KEYWORDS: GRAPHITE REACTOR NOTEBOOK LOGBOOK SLUGS

ABSTRACT:

Operations shift logbook. Appears to be before provision of slugs to 706C.

did not request a copy

REVIEWER: WIDNER, T. E. DATE REVIEWED: 9/12/95

Rev 2, 5/15/95

Oak Ridge Health Study Document Summary Form

DOCUMENT TITLE:

NOTEBOOK CL-1862; IODINE-131 PROCESS LOGBOOK (3026-C)

DOCUMENT NUMBER OR IDENTIFIER: CL-1862

AUTHOR(S): PIERCE, E. AND OTHERS

PUBLICATION DATE: 04/05/48

DATA TIME PERIOD: Start 01/22/48 Stop 04/05/48

LOCATION OF COPY (if one was made):

CLASSIFICATION CATEGORY: UNK (UNC) OUO UCNI CL* *Category & Level: FRD or RD or NSI; CONF or S or TS

SITE(S) DOCUMENT ADDRESSES: K (X) Y S ORR MELT CLIN WOC WOL POPL EFPC PCE BEAR WATT

SOURCE/LOCATION OF DOCUMENT: X-10 ORC (BOX 1-1311)

DOCUMENT CATEGORY

AI [DL dr dc da] [ED ea ew es ef] EP (HO) hp hr hs hw] IN IP [ST sa sw ss] TM WP

Primary category - circle once; Secondary category (optional) - circle twice. Circle only one in a bracketed group.

DATE ENTERED INTO DATABASE: BY: InMagic No.

KEYWORDS: LOGBOOK 3026C
I-131
706C

ABSTRACT:

LOG BOOK OF FISSION PRODUCT IODINE PROCESSING. This notebook is a continuation of CL-1827, and is followed by notebook CL-1942.

did not request a copy

REVIEWER: WIDNER, T.E. DATE REVIEWED: 9/12/95

Oak Ridge Health Study Document Summary Form

DOCUMENT TITLE: NOTEBOOK CL-1362; HOURLY METEOROLOGICAL ~~MEASUREMENTS~~ OBSERVATIONS

DOCUMENT NUMBER OR IDENTIFIER: CL-1362

AUTHOR(S): CRAFT, H.R.

PUBLICATION DATE: 03/03/47

DATA TIME PERIOD: Start 09/01/46 Stop 03/03/47

LOCATION OF COPY (if one was made):

CLASSIFICATION CATEGORY: UNK (UNC) OUO UCNI CL* *Category & Level: FRD or RD or NSI; CONF or S or TS

SITE(S) DOCUMENT ADDRESSES: K (X) Y S ORR MELT CLIN WOC WOL POPL EFPC PCE BEAR WATT

SOURCE/LOCATION OF DOCUMENT: X-10 OR C (BOX T-285)

DOCUMENT CATEGORY

AI [DL dr dc da] [ED (ea) ew es ef] EP [HO hp hr hs hw] IN IP [ST sa sw ss] TM WP

Primary category - circle once; Secondary category (optional) - circle twice. Circle only one in a bracketed group.

DATE ENTERED INTO DATABASE: BY: InMagic No.

KEYWORDS: METEOROLOGY, WEATHER, NOTEBOOK, LOGBOOK

ABSTRACT:

Notebook with hourly meteorological data. Includes wind direction and velocity and "TG." "TG" typically ranges between −9 and +10. Also gives data for 9 parameters for 8, 12, and 4; presumeably 8 am, 12 noon, and 4 pm. These parameters are called: T, B, B′, R, RH, AH, DP, SC, and CL. CL is cloud type. Weekends are included.

Did not request a copy

REVIEWER: WIDNER, T.E. DATE REVIEWED: 9/12/95

Oak Ridge Health Study Document Summary Form

DOCUMENT TITLE: Notebook CL-804; 100 Area Logbook No. 9

DOCUMENT NUMBER OR IDENTIFIER: CL-804

AUTHOR(S): Marrel, V.M. et al.

PUBLICATION DATE: 02/08/45

DATA TIME PERIOD: Start 12/03/44 Stop 02/08/45

LOCATION OF COPY (if one was made):

CLASSIFICATION CATEGORY: UNK (UNC) OUO UCNI CL* *Category & Level: FRD or RD or NSI; CONF or S or TS

SITE(S) DOCUMENT ADDRESSES: K (X) Y S ORR MELT CLIN WOC WOL POPL EFPC PCE BEAR WATT

SOURCE/LOCATION OF DOCUMENT: X-10 ORC (Box T-265)

DOCUMENT CATEGORY

AI [DL dr dc da] [ED ea ew es ef] EP (HO) hp hr hs hw] IN IP [ST sa sw ss] TM WP

Primary category - circle once; Secondary category (optional) - circle twice. Circle only one in a bracketed group.

DATE ENTERED INTO DATABASE: BY: InMagic No.

KEYWORDS: GRAPHITE REACTOR NOTEBOOK LOGBOOK SLUGS

ABSTRACT:

See entries regarding transfers of slugs to 706-C. Page 125 refers to slug transfer sheets. Carbon copies were given to the 706-C men, and pre-numbered originals saved for operations' records. See back of book for "Probe" readings, Heat Power readings 3 times per day.

e.g., See pp. 95, 100, 105, 106, 108, 109, 111, etc.

did not request a copy

REVIEWER: Widner, T-E. DATE REVIEWED: 9/14/95

Oak Ridge Health Study Document Summary Form

DOCUMENT TITLE: Notebook CL-855; 100 Area Logbook No. 10

DOCUMENT NUMBER OR IDENTIFIER: CL-855

AUTHOR(S): Morrel, V.M.

PUBLICATION DATE: 04/25/45

DATA TIME PERIOD: Start 02/09/45 Stop 04/25/45

LOCATION OF COPY (if one was made):

CLASSIFICATION CATEGORY: UNK (UNC) OUO UCNI CL* *Category & Level: FRD or RD or NSI; CONF or S or TS

SITE(S) DOCUMENT ADDRESSES: K (X) Y S ORR MELT CLIN WOC WOL POPL EFPC PCE BEAR WATT

SOURCE/LOCATION OF DOCUMENT: X-10 ORC (BOX T-267)

DOCUMENT CATEGORY

AI [DL dr dc da] [ED ea ew es ef] EP (HO) hp hr hs hw] IN IP [ST sa sw ss] TM WP

Primary category - circle once; Secondary category (optional) - circle twice. Circle only one in a bracketed group.

DATE ENTERED INTO DATABASE: BY: InMagic No.

KEYWORDS: GRAPHITE REACTOR, NOTEBOOK, LOGBOOK, SLUGS

ABSTRACT:

See entries regarding discharges and loading of slugs for 706-C and 706-D. See back of book for thrice-daily readings of Galv. Power and Heat Power (shift and to-date).

See p. 120 re: radiation from 706-C offgas line.

Did not request a copy

REVIEWER: Widner, T.E. DATE REVIEWED: 9/15/95

Rev 2, 5/15/95

Oak Ridge Health Study Document Summary Form

DOCUMENT TITLE: Notebook CL-1014; 100 Area Logbook No. 12

DOCUMENT NUMBER OR IDENTIFIER: CL-1014

AUTHOR(S): Morrel, V.M. et al.

PUBLICATION DATE: 10/23/45

DATA TIME PERIOD: Start 07/30/45 Stop 10/23/45

LOCATION OF COPY (if one was made):

CLASSIFICATION CATEGORY: UNK (UNC) OUO UCNI CL* *Category & Level: FRD or RD or NSI; CONF or S or TS

SITE(S) DOCUMENT ADDRESSES: K (X) Y S ORR MELT CLIN WOC WOL POPL EFPC PCE BEAR WATT

SOURCE/LOCATION OF DOCUMENT: X-10 ORC (BOX T-274)

DOCUMENT CATEGORY

AI [DL dr dc da] [ED ea ew es ef] EP (HO hp hr hs hw] IN IP [ST sa sw ss] TM WP

Primary category - circle once; Secondary category (optional) - circle twice. Circle only one in a bracketed group.

DATE ENTERED INTO DATABASE: BY: InMagic No.

KEYWORDS: GRAPHITE REACTOR LOGBOOK NOTEBOOK SLUGS

ABSTRACT:

See entries regarding slug charging and discharging for 706-D, e.g. pp. 24, 68. See back pages for thrice-daily readings of "Galv. Power" and "Heat Power", shift and to-date.

Did not request a copy

REVIEWER: Widner, T.E. DATE REVIEWED: 9/12/95

Rev 2, 5/15/95

Oak Ridge Health Study Document Summary Form

DOCUMENT TITLE: Notebook CL-337; Pile Monthly Operation Report Data

DOCUMENT NUMBER OR IDENTIFIER: CL-337

AUTHOR(S): EMLET, L. B.

PUBLICATION DATE: 09/30/52

DATA TIME PERIOD: Start 05/01/44 Stop 09/30/52

LOCATION OF COPY (if one was made):

CLASSIFICATION CATEGORY: UNK (UNC) OUO UCNI CL* *Category & Level: FRD or RD or NSI; CONF or S or TS

SITE(S) DOCUMENT ADDRESSES: K (X) Y S ORR MELT CLIN WOC WOL POPL EFPC PCE BEAR WATT

SOURCE/LOCATION OF DOCUMENT: X-10 ORC (BOX T-252)

DOCUMENT CATEGORY

AI [DL dr dc da] [ED ea ew es ef] EP (HO) hp hr hs hw] IN IP [ST sa sw ss] TM WP

Primary category - circle once; Secondary category (optional) - circle twice. Circle only one in a bracketed group.

DATE ENTERED INTO DATABASE: BY: InMagic No.

KEYWORDS: GRAPHITE REACTOR, PILE, POWER, SLUGS, PRODUCTION, PLUTONIUM

ABSTRACT:

This notebook contains the following data on a monthly basis from 1944 thru 1952; each of the following parameters are given for 1) Beginning of period, 2) End of period, and During period: kWh on pile, grams Pu produced, grams Pu discharged, number of slugs discharged, weight of slugs discharged, number of slugs charged, weight of slugs charged, number of slugs received in 100 Area, and weight of slugs received. also gives Avg. kWh per operating hour and per 24-h day and Avg. Shutdown hrs/day. All parameters are given for days 1-15, days 16-end, and monthly total

REVIEWER: WIDNER, T. E. DATE REVIEWED: 9/14/95

Did not request a copy

Rev 2, 5/15/95

Oak Ridge Health Study Document Summary Form

DOCUMENT TITLE: GRAPHITE REACTOR CALCULATIONS (Correspondence File)

DOCUMENT NUMBER OR IDENTIFIER: various

AUTHOR(S): various

PUBLICATION DATE: various

DATA TIME PERIOD: Start
Stop

LOCATION OF COPY (if one was made):

CLASSIFICATION CATEGORY: UNK (UNC) OUO UCNI CL* *Category & Level: FRD or RD or NSI; CONF or S or TS

SITE(S) DOCUMENT ADDRESSES: K (X) Y S ORR MELT CLIN WOC WOL POPL EFPC PCE BEAR WATT

SOURCE/LOCATION OF DOCUMENT: X-10 ORC (Box 554, file 4)

DOCUMENT CATEGORY

AI [DL dr dc da] [ED ea ew es ef] EP (HO) hp hr hs hw] IN IP [ST sa sw ss] TM WP

Primary category - circle once; Secondary category (optional) - circle twice. Circle only one in a bracketed group.

DATE ENTERED INTO DATABASE: BY: InMagic No.

KEYWORDS: GRAPHITE REACTOR PILE POWER FLUX

ABSTRACT:

Contains pile power and operating data, charts of KWH vs. KWH per row for various position factors, position factor vs. circular coordinates, a table of position factors for radial coordinates 1-68, calculations of flux and product content of slugs.

REVIEWER: WIONER, T.E. DATE REVIEWED: 9/15/95

Did not request a copy

Rev 2, 5/15/95

Oak Ridge Health Study Document Summary Form

DOCUMENT TITLE: GRAPHITE REACTOR REFERENCE FOLDER

DOCUMENT NUMBER OR IDENTIFIER: NONE

AUTHOR(S): VARIOUS

PUBLICATION DATE: VARIOUS

DATA TIME PERIOD: Start
Stop

LOCATION OF COPY (if one was made):

CLASSIFICATION CATEGORY: UNK (UNC) OUO UCNI CL* *Category & Level: FRD or RD or NSI; CONF or S or TS

SITE(S) DOCUMENT ADDRESSES: K (X) Y S ORR MELT CLIN WOC WOL POPL EFPC PCE BEAR WATT

SOURCE/LOCATION OF DOCUMENT: X-10 ORC (BOX 554)

DOCUMENT CATEGORY

AI [DL dr dc da] [ED ea ew es ef] EP (HO) hp hr hs hw] IN IP [ST sa sw ss] TM WP

Primary category - circle once; Secondary category (optional) - circle twice. Circle only one in a bracketed group.

DATE ENTERED INTO DATABASE: BY: InMagic No.

KEYWORDS: GRAPHITE REACTOR
CLINTON PILE
CORRESPONDENCE
INDEX

ABSTRACT: List contents of Boxes 548 – 556 and some pile-related documents.

REVIEWER: WIDNER, J.E. DATE REVIEWED: 9/15/95

Did not request a copy

Rev 2, 5/15/95

Oak Ridge Health Study Document Summary Form

DOCUMENT TITLE: GRAPHITE REACTOR HISTORY (CORRESPONDENCE FILE)

DOCUMENT NUMBER OR IDENTIFIER:

AUTHOR(S): VARIOUS

PUBLICATION DATE: VARIOUS

DATA TIME PERIOD: Start 11/01/43 Stop 11/01/53

LOCATION OF COPY (if one was made):

CLASSIFICATION CATEGORY: UNK (UNC) OUO UCNI CL* *Category & Level: FRD or RD or NSI; CONF or S or TS

SITE(S) DOCUMENT ADDRESSES: K (X) Y S ORR MELT CLIN WOC WOL POPL EFPC PCE BEAR WATT

SOURCE/LOCATION OF DOCUMENT: X-10 ORC (BOX 555, FILE 19)

DOCUMENT CATEGORY

AI [DL dr dc da] [ED ea ew es ef] EP [HO hp hr hs hw] IN IP [ST sa sw ss] TM WP

Primary category - circle once; Secondary category (optional) - circle twice. Circle only one in a bracketed group.

DATE ENTERED INTO DATABASE: BY: InMagic No.

KEYWORDS:

CLINTON PILE
PLUTONIUM

ABSTRACT: includes a summary of the first 10 y of ORR operations, several pile loading charts ('43, '44, '45), a summary of product accounting procedures, and slug charge/discharge/product formation for Nov 43 – March 45 and data for Pu separation batches 1 thru 299. Also plots of "Area 100 over Area 200" product ratios for all Bldg 205 Pu separation batches.

REVIEWER: WIDNER, T.E. DATE REVIEWED: 9/15/95

Did not request a copy

Rev 2, 5/15/95

Oak Ridge Health Study Document Summary Form

DOCUMENT TITLE: "GRAPHITE REACTOR FLUX (NEUTRON AND GAMMA)"; A GRAPHITE REACTOR CORRESPONDENCE FILE

DOCUMENT NUMBER OR IDENTIFIER: FILE 555/4

AUTHOR(S): VARIOUS

PUBLICATION DATE: 01/01/43

DATA TIME PERIOD: Start 01/01/43 Stop 12/31/57

LOCATION OF COPY (if one was made):

CLASSIFICATION CATEGORY: UNK (UNC) OUO UCNI CL* *Category & Level: FRD or RD or NSI; CONF or S or TS

SITE(S) DOCUMENT ADDRESSES: K (X) Y S ORR MELT CLIN WOC WOL POPL EFPC PCE BEAR WATT

SOURCE/LOCATION OF DOCUMENT: X-10 ORC (BOX 555)

DOCUMENT CATEGORY

AI [DL dr dc da] [ED ea ew es ef] EP (HO) hp hr hs hw] IN IP [ST sa sw ss] TM WP

Primary category - circle once; Secondary category (optional) - circle twice. Circle only one in a bracketed group.

DATE ENTERED INTO DATABASE: BY: InMagic No.

KEYWORDS: GRAPHITE REACTOR FLUX

ABSTRACT:
Includes flux measurements in Holes 18, 54, 55, the water tank, Holes 10 & 225, Stringer 14.

Also includes charts of "Lines of Constant Exposure Time", slug activity per unit electroscope reading, slug radiation decay curve, vertical intensity maps on reactn planes (showing lines of constant intensity), slug intensity vs position, power levels 12/1/43 – 9/1/45 Correspondence regarding air flow measurements, power calculations.

REVIEWER: WIDNER, T.E. DATE REVIEWED: 9/15/95

Did not request a copy

Rev 2, 5/15/95

Oak Ridge Health Study Document Summary Form

DOCUMENT TITLE: OPERATING INSTRUCTIONS, GRAPHITE REACTOR SUPERVISOR'S OFFICE

DOCUMENT NUMBER OR IDENTIFIER: NONE

AUTHOR(S): ERDMAN, A.G.

PUBLICATION DATE: 1946

DATA TIME PERIOD: Start / Stop

LOCATION OF COPY (if one was made):

CLASSIFICATION CATEGORY: UNK (UNC) OUO UCNI CL* *Category & Level: FRD or RD or NSI; CONF or S or TS

SITE(S) DOCUMENT ADDRESSES: K (X) Y S ORR MELT CLIN WOC WOL POPL EFPC PCE BEAR WATT

SOURCE/LOCATION OF DOCUMENT: X-10 ORC (BOX 555; File 17)

DOCUMENT CATEGORY

AI [DL dr dc da] [ED ea ew es ef] EP [HO hp hr hs hw] IN IP [ST sa sw ss] TM WP

Primary category - circle once; Secondary category (optional) - circle twice. Circle only one in a bracketed group.

DATE ENTERED INTO DATABASE: BY: InMagic No.

KEYWORDS: GRAPHITE REACTOR
INSTRUCTIONS
SLUGS.

ABSTRACT:

See Operating Instructions S-4 "Slug Shipments - 706-D" and T-1 "Transfers, Metal" regarding provision of slugs to 706-D. Gives samples of "Bucket Transfer Slip" and "100 Area Metal Transfer Sheet."

REVIEWER: WIDNER, T.E. DATE REVIEWED: 9/15/95

Did not request a copy

Rev 2, 5/15/95

Oak Ridge Health Study Document Summary Form

DOCUMENT TITLE: "GRAPHITE REACTOR— LOADING PILE" (GRAPHITE REACTOR CORRESPONDENCE)

DOCUMENT NUMBER OR IDENTIFIER:

AUTHOR(S): VARIOUS

PUBLICATION DATE: VARIOUS

DATA TIME PERIOD: Start / Stop

LOCATION OF COPY (if one was made):

CLASSIFICATION CATEGORY: UNK (UNC) OUO UCNI CL* *Category & Level: FRD or RD or NSI; CONF or S or TS

SITE(S) DOCUMENT ADDRESSES: K (X) Y S ORR MELT CLIN WOC WOL POPL EFPC PCE BEAR WATT

SOURCE/LOCATION OF DOCUMENT: X-10 ORC (BOX 555; FILE 25)

DOCUMENT CATEGORY

AI [DL dr dc da] [ED ea ew es ef] EP (HO) hp hr hs hw] IN IP [ST sa sw ss] TM WP

Primary category - circle once; Secondary category (optional) - circle twice. Circle only one in a bracketed group.

DATE ENTERED INTO DATABASE: BY: InMagic No.

KEYWORDS: GRAPHITE REACTOR, PILE, LOADING, SLUGS.

ABSTRACT: Describes pile loading patterns from initial loading through at least 1945. Many loading face charts.

REVIEWER: WIDNER, T.E. DATE REVIEWED: 9/15/95

Rev 2, 5/15/95

Did not request a copy