

A G E N D A

Technical Group Meeting

1800 4/25/79

1. Radioactive Releases
 - a. Trending outlet of condenser air ejectors - reason for spike
 - b. Identification and isolation of sources

2. Status of:
 - a. RCS Sample #5
 - b. Filter wrapping and storage
 - c. Auxiliary Building roof ventilation system - removable stack plug - fan testing
 - d. EPICOR (Cap-Gun II)
 - e. Tank Farm in Unit 2 spent fuel pool - schedules
 - f. Liquid waste processing
 - g. Reactor coolant pressure/volume control system - schedules and status of requisitions
 - g. Alternate pressurizer level measurement

3. Schedule for attaining natural circulation cooling mode:
 - a. Condensate sample from steam line and from "B" OTSG
 - b. Decontamination efforts
 - c. Procedures for going to solid cooling of OTSG
 - d. Proposals and schedules for completing alternate solid circulation of "B" OTSG feedwater connections
 - e. Use of "B" OTSG in steaming or solid mode prior to availability of new system
 - f. Suggested revisions to procedure for initiating natural circulation

2006 147

ACTION ITEMS

Management/Schedule Meeting

0900 4/25/79

- | | <u>Action</u> |
|---|--------------------|
| 1. Ascertain reason for spike on condenser air ejector monitor. | Herbein/
Wilson |
| 2. Take sample from "B" OTSG prior to filling and from condensate downstream of the main stop valve. | Herbein |
| 3. Confirm packaging and storage provisions for removed filters. | Herbein/
Rusche |
| 4. Develop schedule for completion of tank farm work. Expedite completion. | Hirst |
| 5. Develop revised schedule for long-term pressure volume control system. | Hirst/
Cobean |
| 6. Obtain and resolve NRC and B&W comments on procedures for solid cooling of OTSG's prior to convening PORC. | Wilson |
| 7. Confirm that pressurized sample No. 5 taken and shipped to B&W. | Herbein |
| 8. Verify flow capabilities of temporary piping that bypasses main feed pumps. | Wilson |
| 9. Decide at 1800 meeting on use of "B" steam generator. | All |
| 10. Turbine not to be restarted until further notice. | Herbein |
| 11. No further venting of the Pressurizer until Bob Arnold's approval. | Herbein |

2006 148

TRANSMITTAL TO:

GREG SCHAEDEL

409

409 0015 010

1 of 5

L. ROGERS

TRANSMITTAL # 346

ALSO TELECOPY TO:

R. WILSON

TRANSMITTAL # 346

1117

B&W TRAILER 26

TRANSMITTAL #

TIME 5:30 PM

DATE APRIL 23, 1979

1730

SUBJECT SUMMARY OF RCS DATA

4-23-79

APPROVED BY

T. M. Schuler
OPERATIONS MANAGER

B&W ACTION #

S EX 72

2006 149

THE BABCOCK & WILCOX COMPANY
POWER GENERATION GROUP

1117
2 of 5

T. M. SCHULER

From J. H. HICKS

J. H. Hicks

BDS 643 5

Cust.

File No.
or Ref.

Subj.

SUMMARY OF RCS DATA

Date
APRIL 23, 1979-4:25 PM

This letter is cover one enclosure and one subject only.

REFERENCE: D. A. MITTI, 4/18 LETTER TO D. W. BERGER, SAME SUBJECT.

THE FOLLOWING IS AN UPDATE OF THE RCS ANALYSIS RESULTS:

1. BORON

DATA	SAMPLE TYPE	ORGANIZATION	METHOD	BORON CONCENTRATION (PPM)
4/16/79	UNPRESSURIZED	B&W	MANNITOL-NaOH TITRATION	3403 ± 15
4/10/79	UNPRESSURIZED	ORNL	MASS SPECTROMETER	3508 ± 200
4/10/79	UNPRESSURIZED	SAVANNAH RIVER	CARBON ROD ATOMIC ADSORPTION	2600 ± 200
4/10/79	UNPRESSURIZED	SAVANNAH RIVER	MICRO-TITRATION	3180 ± 50
4/10/79	UNPRESSURIZED	BETTIS	COLORETIC	2400 ± 100
4/16/79	PRESSURIZED	B&W	MANNITOL-NaOH TITRATION	3930 ± 55
4/16/79	PRESSURIZED	B&W	REACTIVITY WORTH	3507 ± 50* (3340 ± 50)
4/16/79	UNPRESSURIZED	B&W	MANNITOL-NaOH TITRATION	3528 ± 10** 3549 ± 10**
4/18/79	PRESSURIZED	B&W	MANNITOL-NaOH TITRATION	3568 ± 30
4/22/79	PRESSURIZED	B&W	MANNITOL-NaOH TITRATION	2937 ± 20

* REVISED VALUE (INITIAL VALUE OF 3340 PPM B WAS 5% LOW DUE TO CALIBRATION CURVE ERROR)

** DUPLICATE ANALYSIS

2006 150

1117
Page 5 of 5

II. NUCLIDE CONCENTRATION, $\mu\text{Ci/cc}$

DATE	TIME	Mo-99	Xe-131m	Xe-133	I-131	Cs-134	Cs-136	Cs-137	Ba-140	La-140	Sb-122
3/29/79	NITE	15	-	-	1.3×10^4	63	1.8×10^2	2.8×10^2	2.0×10^2	-	-
4/10/79	0730	170	740	550	7.3×10^3	73	1×10^2	2.8×10^2	1.6×10^2	2.1×10^2	9.0
		179	-	-	8.2×10^3	82	1.03×10^2	3.3×10^2	2.9×10^2	1.6×10^2	-
		-	<300	-	2.4×10^4	75	2.1×10^2	3.4×10^2	4.2×10^2	2.7×10^2	-
4/16/79	0700	47.8	-	-	5.13×10^3	69.8	64.4	301	467	-	-
4/17/79	0700	33.6	-	-	4.69×10^3	61.4	54.1	267	533	-	-
4/18/79	2140	22.9	-	-	4.09×10^3	61.7	51.1	269	321	-	-
4/22/79	0900	-	-	-	2.46×10^3	55.0	38.9	234	392	-	-

DATE	TIME	I-133	Sr-89	Sr-90	Co-144	Tc-132	BY
3/29/79	NITE	6.5×10^3	5.3	5.3	0.38	2.0×10^2	BETTIS
4/10/79	0730	-	-	-	-	-	B&W
		-	6×10^2	50	-	-	ORNL
		-	-	-	-	-	BETTIS
4/16/79	0700	-	-	-	-	B&W	
4/17/79	0700	-	-	-	-	B&W	
4/18/79	2140	-	-	-	-	B&W	
4/22/79	0500	-	-	-	-	-	B&W

2006 151

1117
 Page 4 of 5

III. R.C. ALPHA ANALYSES

<u>SAMPLE</u>	<u>TOTAL ALPHA</u>
4/10/79	3×10^{-5} $\mu\text{Ci/cc}$ (B&W) $<10^{-3}$ (SAVANNAH RIVER)

IV. R.C. BETA - GAMMA

<u>SAMPLE</u>	<u>B</u>	<u>Y</u>	<u>BY</u>
3/29/79	1.6×10^{10} cpm/ml	2×10^{10} cpm/ml	BETTIS
4/10/79	9×10^9 cpm/ml	-	SAVANNAH RIVER
	1.4×10^{10} dpm/ml	-	ORNL

V. GAS ANALYSES, cc/kg

<u>SAMPLE</u>	<u>H₂</u>	<u>O₂</u>	<u>N₂</u>	<u>Gas</u>	<u>BY</u>
4/13/79	0.4	2	23	25	IDAHO FALLS
4/16/79	31.2	4.4	32.8	68.4	B&W
4/18/79	21.9	1.8	18.1	41.8	B&W
4/22/79	23.8	<1*	<9.9	34.8	B&W
4/25/79	41.6	ND	4.6	41.6	B&W

*DUE TO LOW VALUE AND METHOD OF ANALYSES COULD BE "ZERO."

1117

Page 5 of 5

VI. REACTOR COOLANT pH AND CHLORIDE

<u>SAMPLE</u>			<u>BY</u>
4/10/79	pH	7.65	BETTIS
	pH	7.70	SAVANNAH RIVER
	pH	8.0	ORNL
	pH	8.4 ± 0.1	B&W
	CHLORIDE	6-30 PPM	B&W
4/16/79	pH	8.2 ± 0.1	B&W
4/17/79	pH	8.3 ± 0.1	B&W
4/22/79	pH	8.15 ± 0.1	B&W

IF WE CAN BE OF FURTHER ASSISTANCE OR NEED MORE INFORMATION,
PLEASE LET US KNOW.

2006 153

6 PM 4/26/79

1. Air system see attached sheets
chemical monitor moved from roof
to air system discharge - attempt
to substitute
Drain by 2 paths - using sample lines 1/2" & 1/4"
2. Filters moved in day a two.
3. Any hdy-roof may put into stock this evening.
4. PICOR still 5/7
5. Tank from 5/7
6. Liquid waste briefing tomorrow.
7. Breathing gear - see annex
8. Revision to EP-32 re press. land. city @ 250"
Procedure for planned. met. con. in progress.
9. Decm. Efforts - On schedule - problems with air
system.
10. Biom concentration curves developed.

2006 154

11. *Sodini Concentata* in primary colat
sample. copy attached

12. *Fukiy Hough alternate fulline now*

13.

2006 155

RESULTS OF PRESSURIZED RC SAMPLE 8:20 on 4/25/79

GAS ANALYSIS

<u>Element</u>	<u>Concentration</u>
H ₂	41.6 cc/kg
N ₂	4.6 cc/kg
O ₂	Not Determinable
Total Gas	46.2 cc/kg

FISSION GAS

<u>Isotope</u>	<u>Concentration</u>
XE-133M	22.2 μ ci/cc
XE-133	18.9 μ ci/cc
I 131	.28 μ ci/cc

LIQUID ANALYSIS

Boron	2869 \pm 10 ppm
pH	8.15 \pm 0.1
Sodium	738 \pm 20 ppm

ADDITIONAL ISOTOPE ACTIVITY

I 131	1700 μ ci/g
CS 134	49 μ ci/g
CS 136	28 μ ci/g
CS 137	212 μ ci/g
EA 140	312 μ ci/g

2006 156

4-26-79

TEMPERATURE

DEWPOINT

300
290
280
270
260
250
240
230
220
210
200
190

10 8 6 4 2 0 -2 -4 -6 -8 -10

PSID

14

12

10

8

6

4

2

0

-2

-4

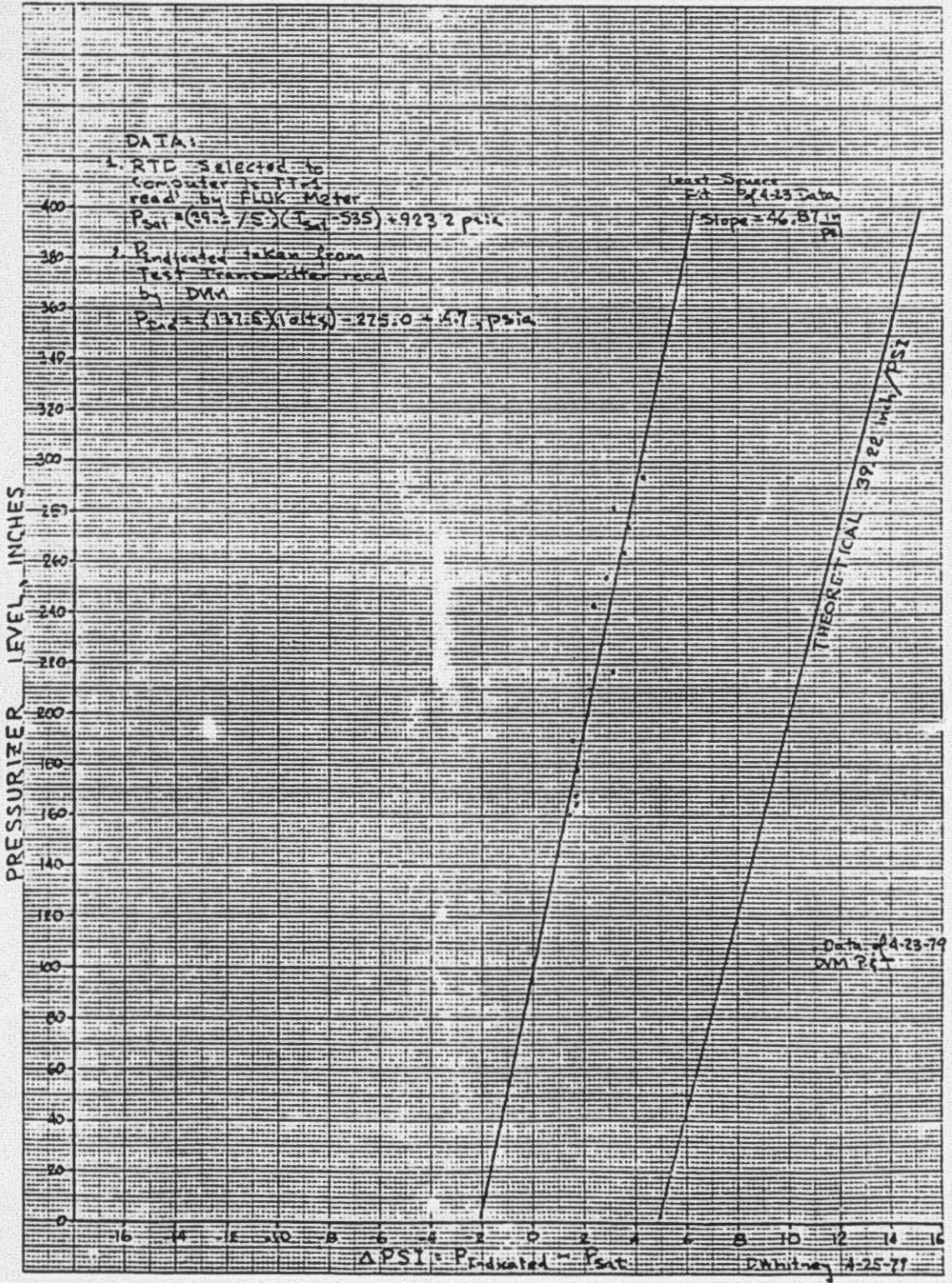
-6

-8

-10

46 1512

K&E 10 X 10 TO THE CENTIMETER 18 X 25 CM.
HEUFFEL & ESSER CO. MADE IN U.S.A.



DATA:

1. RTD selected to computer to find read by FLOK Meter
 $P_{\text{set}} = (39.275)(I_{\text{set}} - 535) + 923.2 \text{ psia}$

2. Readout taken from Test Transmitter read by DMM
 $P_{\text{rid}} = (137.6)(\text{volts}) - 275.0 + 4.7 \text{ psia}$

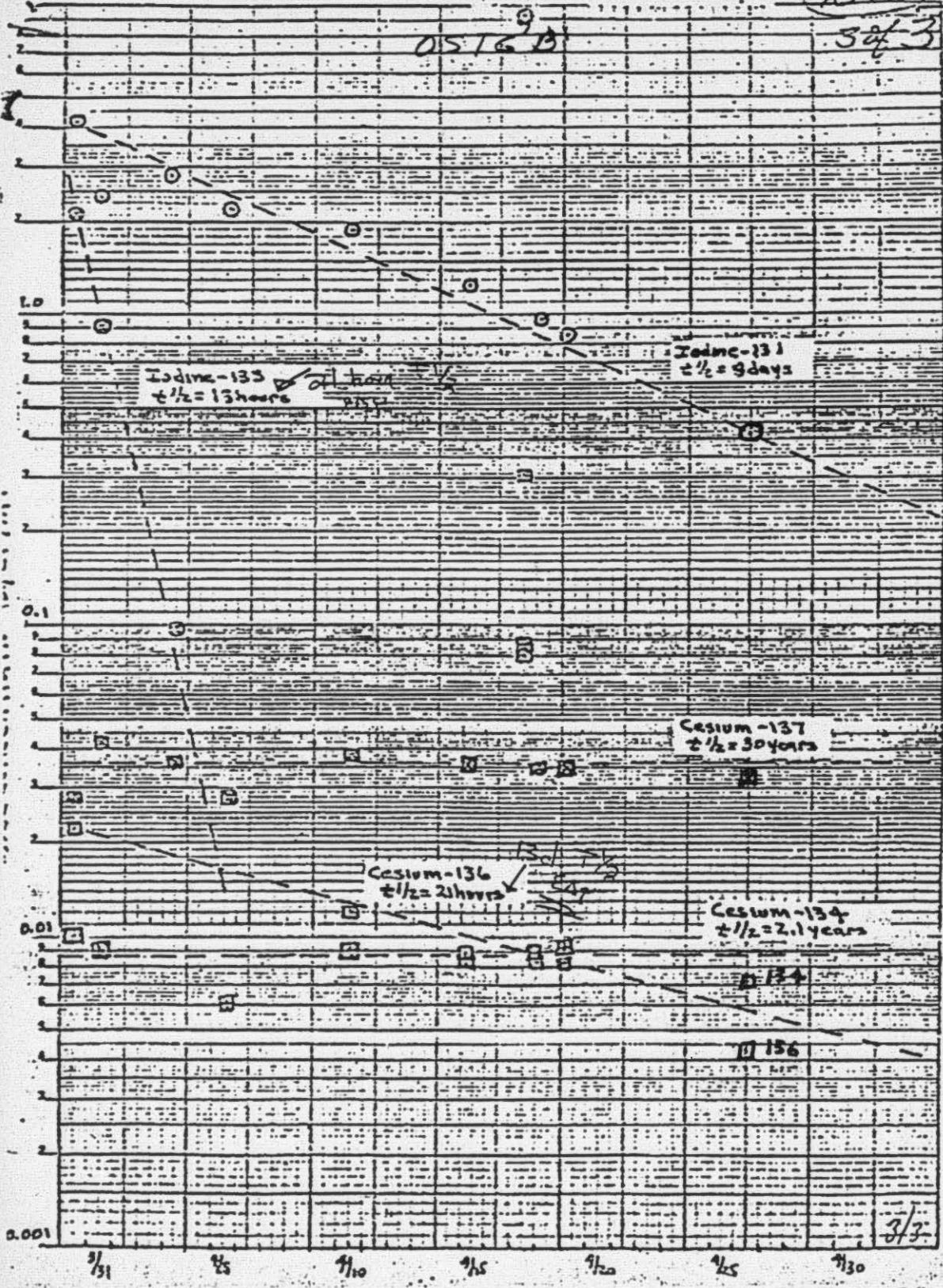
Least Squares Fit of 13 Data
 Slope = 46.87 in/psi

Date: 4-23-79
 DM PFT

$\Delta \text{PSI} = P_{\text{ridicated}} - P_{\text{set}}$ DWitney 4-25-79

OSIG-B

3 of 3

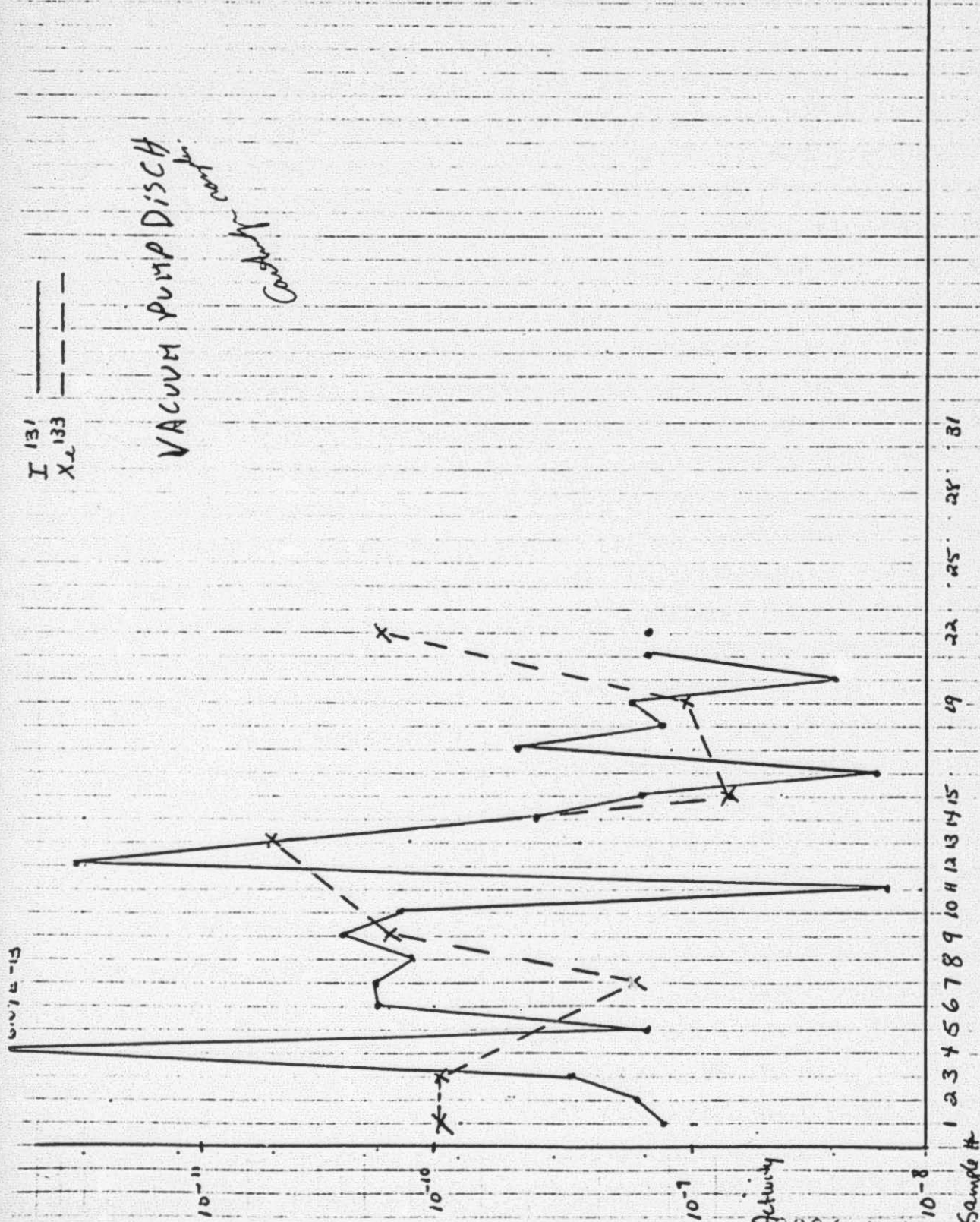


3/3

I 131
Xc 133

VACUUM PUMP DISCH
Condenser

—



Activity
2003 1-1

Sample # 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
28 25 22 19 18

VALUUM PUMP DISCH

	X. 133	T. 131	Time
① 4/21	9.94 E-9	1.36 E-9	0635
② 4/21		2.6 E-9	0820
③ 4/21	9.95 E-9	5.32 E-9	1235
④ 4/22		6.69 E-13	1746
⑤ 4/22		7.75 E-10	0300
⑥ 4/22		2.0 E-9	0647
⑦ 4/22	2.55 E-9	4.249 E-10	1721
⑧ 4/22		4.2.62 E-10	2150
⑨ 4/23	4.2.0 E-10	4.1.0 E-10	0210
⑩ 4/23		4.0 E-10	0525
⑪ 4/23		4.1.6 E-10	0924
⑫ 4/23		1.8 E-8	1230
⑬ 4/24	6.9 E-10	5.3 E-11	2009
⑭ 4/24	5.688 E-6		
⑮ 4/24	8.4 E-8	6.8 E-9	0100
⑯ 4/24		2.14 E-9	0525
⑰ 4/24		2.08 E-8	1227
⑱ 4/24		7.7 E-9	1645
⑲ 4/25	1.1 E-9	1.4 E-9	2250
⑳ 4/25		2.7 E-9	1620
㉑ 4/25		4.0 E-8	1230
㉒ 4/25	2.4 E-10	2.2 E-9	1730

~~Affw. H.F.P.A. filter KAP. G. ST. A. E.~~