



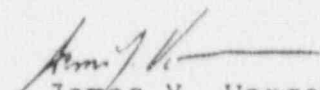
UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION II
101 MARIETTA ST., N.W., SUITE 3100
ATLANTA, GEORGIA 30303

NOV 05 1982

SNM-1097
7001115

MEMORANDUM FOR: C. E. Alderson, Director, ES
FROM: J. Y. Vorse, Acting Director, OI:RII
SUBJECT: IMPROPER LABORATORY PRACTICES
FACILITY: GE Wilmington
DATE ALLEGATION
RECEIVED: August 28, 30, and 31, 1982
INQUIRY: 2Q2-014/F
CASE NO. None

A Special Inspection was conducted by the MC&A branch
the results of which are outlined in the enclosure. Based
on their findings, it appears there is no further OI interest.


James Y. Vorse

Enclosure: As Stated

cc w/o encl:
J.P. O'Reilly, ORA

9101280117 900921
PDR FOIA
BAUMAN87-88 PDR

6-2

2#3

FOIA 87-88
OI Release

R-2-release

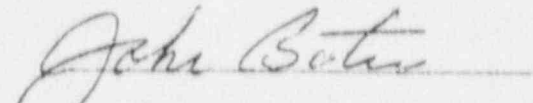
COMMENTS CONCERNING ALLEGATIONS MADE AT GENERAL ELECTRIC

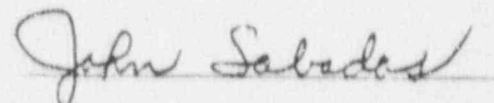
Two allegations were made: (1) that one enrichment analyzer (EA) No. 14 was not tagged out prior to calibration, and (2) that multiple counts of the RIP-005 (3.978) standard had not been run to determine a minimum isotopic uranium count limit for the (EA).

NIC
In response to the aforementioned allegations, it was determined from an examination of gamma spectroscopy verification/calibration and laboratory maintenance data for the period August 19-25, 1982, that on enrichment analyzer, No. 14 was out-of-service August 19 at 10:00 a.m. until August 20 at 11:21 a.m., during which time a new detector was installed and the unit repeaked by the Technical Engineering Support Group after allowance for a 24 hour burn-in time for the detector, as required by a written procedure.

In addition to verification/calibration requirements, the procedure states that the RIP-005 standard be counted six times or more in succession, or counting the standard by running the calibration in order to determine a minimum isotopic uranium count limit. The latter technique was used by the licensee and measurements of the RIP-005 standard began on August 20, at 10:21 p.m. and was completed on August 21, at 7:50 a.m. in which at least two attempts were made to analyze data on EA No. 14 prior to rederiving the minimum uranium isotopic count limit, (the licensee's procedure does not address the sequence in which the minimum

count limit rederivation and system calibration are to be run). From August 20, at 11:21 p.m. until August 25 at 2:10 a.m. the unit was placed in and out-of-service several times, however none of the data from EA No. 14 was used for accountability purposes for the period examined.


John Bates


John Sabados

5/10/64 after New Data Form Installed 2/9/64 @ 10:00 AM

2/10 @ 0821 AM

2/10 @ 1009

2/10 @ 1035

2/10 @ 1127

2/10 @ 1324

2/10 @ 1814

1963

2/10 @ 2222 .697 - 2.220-3.986

60557 - 2.0636

60564 - 2.1032

60772 - 2.0120

.704 - 2.222-3.975 - 251527

.709 2.211-3.977 - 251638

1324 - Released 2 samples 7 09 - 2.211 3.977

.709 2.206 3962

252579 - 60766 2.0428

250645

251418

251786

cts out of Range

BG Slope

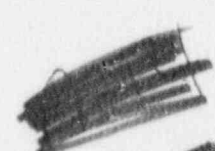
OK

OK

OK

3 Calc
3 Verify

Why were not verify after each Calc
Should have done so automatically!



OFFICIAL USE ONLY

MEMORANDUM TO CASE FILE

TYPE ACTION <input checked="" type="checkbox"/> RECORD OF CONVERSATION <input type="checkbox"/> CASE REVIEW / STATUS <input type="checkbox"/> OTHER	PARTICIPANTS <u>KEN BARR, Chuck Hosey,</u> <u>Ed McAlpine, Jef' Lankford</u>	FILE NO. <u>RII-84-A-0029</u>
	CONFIDENTIALITY REQUESTED YES NO	DATE <u>2-17-84</u>
		TIME <u>4:00p</u>

SUMMARY

037 HT related

Barr was briefed regarding the alleged failure of employees to monitor themselves for contamination when exiting the chemical laboratory at GE.

Chuck Hosey was scheduled to conduct a routine inspection at GE the week of 2/21-24/84 and will followup on this concern.

PAGE 1 OF 1

PREPARED BY <u>JEFF LANKFORD</u>	DATE <u>2-17-84</u>
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ACTION REQUIRED <div style="text-align: right; font-size: 2em;">6-4</div>
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REVIEWED BY <u>JHL 6/24/84</u>	DATE
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2-5

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