

Process Technology North Jersey

Subsidiary of RTI Inc.

108 LAKE DENMARK ROAD, ROCKAWAY, NJ 07866
(201) 625-8400 • FAX: (201) 625-7820

April 3, 1989

Mr. John White, Chief
Nuclear Materials Safety Section C
475 Allendale Road
King of Prussia, PA 19406

REF: Mail Control No. 106655
Docket No. 030-07022
License No. 29-13613-02

Dear Mr. White:

On March 28, 1989 one of the source racks at the North Jersey facility would not return to the shielded position. This took place at approximately 3:00 pm. I was present at this time and immediately notified Tass Varaklis, V.P. Operations and Corporate RSO. At this time I observed that the RMS II area monitor would not return to a reading of background and that the source hoist cylinder was not returning to the position that would indicate that the source rack was in the shielded position.

At 3:20 pm Tass Varaklis, John Schlecht, Andy Friedrich, and myself had a meeting to discuss what might have caused the rack to hang up. At this time we developed a plan of action to return the rack to the shielded position.

It was determined that one of the pool cover grate support beams had shifted due to processing pallet loads of product in the off carrier mode. This type of processing involves the movement of full pallets of product across these grates several times in a 24 hour period.

After reviewing blue prints of the Pool Cover Support Beam (Dwg.# RTI0102160 Rev B) and of the Source Mechanism Assembly (Dwg.# RTI010473 Rev A). It became apparent that the bolt assembly which secures the center lift cable to the rack was hung up on the support beam.

At approximately 5:30 pm we were able to free the source rack by applying a small amount of physical pressure to the cylinder which in turn lifted the rack, freeing it from the support beam.

After observing that the cylinder had returned to the position which indicates that the source was fully shielded and that the RMS II area monitor was reading at background we were given an access permissive and entered the cell with caution.

9101220253 900913
PDR FOIA
JONES90-334 PDR

B/7

After surveying the cell and observing that the source racks were in the shielded position it was evident that the support beam had shifted to a point where it did contact the source rack.

We immediately performed a swipe test on the support beam where it was quite clear that the source rack and beam had made contact. At this time we also took a water sample from the cell pool. The results of these tests verified that there was no contamination caused by this event.

At this time the pool cover grates were removed and under water lights placed so that a visual inspection of the source rack could be made. Utilizing the lights and binoculars it was apparent that no damage to the source rack had occurred as a result of this event.

Having completed all testing it was decided that in order to prevent a recurrence of this type that it would be necessary to anchor the support beams to the concrete floor.

This was completed at approximately 7:00 pm. At 7:24 pm the Operator on duty performed a successful interlock test and resumed operation.

During a conversation with Marlene Taylor on the following day March 29th, I informed her of the events of the previous day concerning the source rack hang-up.

The corrective actions we have taken will insure that an event of this type will not happen again.

If you have any further questions or comments, please contact me.

Sincerely,



John Russen
Plant Manager,
North Jersey Process Technology, Inc.

JR:mb

cc: RTI Corp. Files
RSO File

VOID SHEET

TO: License Fee Management Branch
FROM: REGION I
SUBJECT: VOIDED APPLICATION

Control Number: 110472
Applicant: RADIATION TECHNOLOGY INC.
Date Voided: 4-5-89
Reason for Void: COMBINED WITH C/N 110027

Emlw
Signature

4-5-89
Date

Attachment:
Official Record Copy of
Voided Action

FOR LFMB USE ONLY

Final Review of VOID Completed:
Refund Authorized and processed
No Refund Due
Fee Exempt or Fee Not Required

Comments: _____

Log completed
Processed by: _____

"SECTION COPY"

B/8

201 858 9410

APR 10 '89 14:38 RADIATION TECH
RTCH NASDAQ

P. 1
TELEX 35855?
RNDH MK

Radiation Technology, Inc.

RADIATION RESEARCH & PROCESSING FOR INDUSTRY SINCE 1968

108 LAKE DENMARK ROAD, ROCKAWAY, N.J. 07866



(201) 625-8400

FAX No. (201) 625-7600

FAX TRANSMISSION

DATE : 4/10/89

FROM : J. VARAKLIS

TO : MARLENE TAYLOR

LOCATION: _____

DOCUMENT: _____

The following message will consist of 1 pages, excluding this cover sheet. If any of the pages should be garbled during transmission, please contact us at once.

B/9

PROCESS TECHNOLOGY NORTH JERSEY
Subsidiary of RTI Inc.

MEMO

TO: M. Ayres, B. Kiem, M. Rosa, D. Smith
FROM: John Russen
DATE: 3/9/89
SUBJECT: Start Up Switch

=====

Please be advised that the start up key switch located in the
cell has been temporary replaced with a toggle switch. We
expect to receive the replacement key switch on 3/10/89 and will
install it that day.
Process # 3.100 (Auto Run Mode Irradiator Start-Up) will
remain in effect.