

recall - Hott 615

# NEUTRON PRODUCTS inc

Dickerson, Maryland 20753 U. S. A.  
301/349-5001 Cable: NUSWASH

~~SECRET~~

March 11, 1968

U.S. Atomic Energy Commission  
Division of Materials Licensing  
Isotopes Branch  
Washington, D.C.

Information in this record was deleted in  
accordance with the Freedom of Information Act.  
Exemptions 7008-01112  
FOIA/PA

Subject: Radiation Survey

Gentlemen:

Attached hereto is a Radiation Survey report of  
Neutron Products, Inc. Pilot Plant Irradiator, in ac-  
cordance with Item 15 of Byproduct Material License  
Number 19-12667-01.

Sincerely yours,  
*J. J. Hairston*  
J. J. Hairston  
Mgr. Operations

CC: Director Region 1  
U.S. Atomic Energy Commission  
Division of Compliance  
376 Hudson Street  
New York, N.Y.  
10014

01424 E/K  
01424

# RADIATION SURVEY LOG SHEET

SURVEY NO:

PERIODIC

SPECIAL

SWP

PP-1

LOCATION: NPI Pilot Plant Irradiator Room & Surrounding Area

INSTRUMENTS USED: Eberline Model E-120 B & DATE 2/18/68 TIME 8:00 AM SWP NO.

DESCRIPTION OF SURVEY: Special survey to determine adequacy of shielding prior to operation of irradiator. At time of survey source tube contained approximately (b)(4) Entire room and surrounding areas scanned. Readings in irradiator room made from floor elevation to a height of ~ 10 feet. For results see attached plan view of area.

REMARKS: Maximum reading of 25 mr/hr. found at gap on outside of center concrete plug. General room area read .1 to 3 1/2 mr/hr. All surrounding areas < .2 mr/hr.

SKETCH (IF APPLICABLE):

Reading #	Location & Reading mr/hr.
1	Floor elevation 2" x 12" area 25 mr/hr. 3' elevation ~ 5 mr/hr. over spot
2	Floor elevation ~ 10 mr/hr. over 1" x 16" spot
3	Floor elevation ~ 15 mr/hr. over 1" x 12" spot
4	Floor elevation ~ 10 mr/hr. over 1" x 6" spot
5	Floor elevation ~ 5 mr/hr. over 1" x 8" spot
6	8 feet below floor in pit ~ 20 mr/hr.

01427

J. J. Houston

0704

(b)(4)

*Ms.*

NEUTRON PRODUCTS INC. - RADIATION SURVEY PLAN

2/18/68 01424  
*J. J. Haiston*