

CODE- NOTIFICATION OF STOCKPILE INSPECTION

1. NAME AND LOCATION OF DEPOT OR FACILITY New Haven Depot New Haven, IN 46774-9644	2. NAME AND TYPE OF COMMODITY Annual Review -- Radiological Survey	Annual Review -- Radiological Survey	3. SERIAL NO. 10
			4. CODE:

D	A.LAST July-01	6. TYPE OF STORAGE AND SPECIFIC DEPOT AREA
A		
T	B. THIS July-02	
E		

7. NAME AND TITLE OF PERSON RESPONSIBLE FOR MATERIAL Mr. John Olszewski, Facilities Distribution Manager	7A. TEL. NO. OR CODE 219-749-5953	7B. EXTENSION
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INSPECTION DATA (Check and complete. Explain negative responses.) **N/A** YES NO

8. STORAGE	A. Storage Facilities Are of the Type Prescribed in the Storage Manual		
	B. Storage Facilities Are Maintained in Good Order.		
9. MATERIAL	A. Material Is Stored in the Manner Prescribed in the Storage Manual.		
	B. Material is Free of Deterioration, Infestation, Contamination, Commingling, Migration and Erosion.		
10. RECORDS	A. Depot Manager Confirmed that all entries have been Posted.		
	B. Depot Postings indicate Last RR No. Dated		
	Last OSR No. Dated		
11. UNITS	Quantity indicated in Item 14. reflects Depot Postings and agrees with actual and/or computed count.		
12. SECURITY AND FIRE PROTECTION	Security and Fire Protection are being provided in accordance with Quality Assurance and Materials Inspection Handbook and Storage Manual Requirements.		
13. CONTAINERS, PILES OR OTHER UNITS	A. Material is Stored in Proper Containers (Check only if applicable)		
	B. All containers, Piles and/or Units Are Marked as Prescribed in the Storage Manual.		
	C. Condition of Containers (Give exact number in Class III under remarks)	(1) CLASS I %	(2) CLASS II %

14. DESCRIPTION OF CONTAINERS, PILES, OR OTHER UNITS **N/A**

PRO-GRAM a.	TYPE (Pile, case, ingot, bale, etc.)	WIDTH c.	LENGTH d.	HEIGHT e.	DIAM-ETER	g. WEIGHT OF		TOTAL NUMBER OF UNITS	i. TOTAL LBS	
						UNIT			WEIGHT	

15. REMARKS (Review all other appropriate questions contained in "guide for the inspection of stockpiled materials and storage facilities, " and, if deficiencies are found, give the appropriate guide numbers and complete details in this block)

See Attached

16. RECOMMENDATIONS (Not to be construed by storage depot or facility as authorization to proceed with remedial measures beyond the scope of usual authority)

See Attached

17. DISTRIBUTION	<input checked="" type="checkbox"/> DNSC-EQ <input checked="" type="checkbox"/> DNSC-OLNH <input checked="" type="checkbox"/> DNSC-EH	<input checked="" type="checkbox"/> DNSC-EQBR <input checked="" type="checkbox"/> DNSC-OL <input checked="" type="checkbox"/> DNSC-EE	<input checked="" type="checkbox"/> DNSC-EQNH <input type="checkbox"/> CONTRACTING OFFICER <input type="checkbox"/> OTHER
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18. NAME OF INSPECTOR (Type or print) William J. Till, QAS	18A. SIGNATURE /S/	18. DATE OF SIGNATURE 7/20/02
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**Continuation DLAH Form 30
DLA/DNSC Depot, New Haven, Indiana
Radiological Survey**

**Report No. 10
Date: July 2002**

1.) Purpose:

This report is issued to document the required annual radiological survey at the New Haven Depot, Indiana. Reference: 10 CFR Part 20 subpart F. This facility is listed in Conditions (Item 10) on the Defense Logistics Agency, Defense National Stockpile, Materials License number STC-133, Docket or Reference No. 040-00341. Current Amendment No. 22 expires 28 Feb 2010.

2. General:

Ms. Lois Huddlestun, DNSC, Storage Specialist, Radiation Protection Officer (RPO).
Mr. Wm J. Till, DNSC, Quality Assurance Specialist, Radiological Safety Officer (RSO).

3. Instrumentation:

a.) Survey Instruments:

Instrument	Model/Type	Serial No.	Calibration Due
Fag 40 F6		5-0002	8/14/02
Eberline Geiger Counter	E-520	3135	8/5/02
Portable Radiation Monitor	E-600	01883	4/03/03
		with SHP180A Probe	4/03/03
		with SPA-3 Probe	4/03/03

All instruments were checked and are in good working condition.

b.) Individual Monitoring Devices:

Monitoring Device	No. of Unit
Thermoluminescent Dosimeter (Film Badges)	17

The film badges documented above are on a quarterly rotational program from the UASIRDC, US Army TMDE Activity, Redstone Arsenal, AL. This program provides the submitter with a printout of exposures, as well as, transcribes this information into a permanent database for each individual with a badge submitted. Copies of the printouts are kept in the rolling file cabinet.

4. Disposition of Licensable Commodities:

Ores and concentrates containing uranium and thorium are either stored in Warehouse 214, in various locations in section 3 or outside bulk storage area where Piles 111 & 111A were located. The containerized material is stacked and in accordance with DNS regulations and containers meet Class No. 1 specifications of DNSC 8200.9, Part 9, 3-903a.

The Surveying And Clean -Up Project for Ore Piles 111 & 111A is now in process. This clean-up project is being accomplished by MARSSIM regulations. All clean-up material is stored within the fence surrounding the Pile 111 & 111A areas.

Attached are four maps that graphically depict both the dispositions of the ore storage area and the containerized material stored in the warehouse.

The inventory for radioactive material is available for review and appears to be accurate. Also on file is a listing of the radioactive components by percentage and weight of a particular ore.

The attached pages document the location of the containerized material. Spreadsheets are sorted by warehouse/section/bay. References are made on the accompanying three maps which specifically depict the location of the material and give the radioactive readings. The following list the disposition of the two ore piles included on the applicable licensed material in this report.

Pile Number	Width (ft)	Length (ft)	Height (ft)	Net lbs.
111	60	285	0	-741,551
111A	45	100	0	-2,884,509

The attached map graphically depicts the configuration of the two areas where the ore piles were located.

5. Posting:

A barbed wire fence surrounds the area where Zirconium Ore piles were stored. There is a gate to this area as well. There are signs on the fence that surrounds this area that read "Caution Radioactive Material".

The warehouse containing the licensed material is in good condition. All entrances into the restricted area (Warehouse 214, Section 3) are locked as well as secured with numbered seals. Seals for this area are maintained and controlled by a log in the main office of the administration building.

In warehouse 214, section 3, each bay containing radioactive material (bays 9,13,14,15,16,17,18,26,27,28,34,37,38,44 and 77) is surrounded with a yellow band saying, "Caution Radiation Hazard". There are also signs that read, "Caution Radioactive Material".

6. Records and Reports

The Radiological Data Handbook (ORPP par. 16.2) is located in a rolling file cabinet. This rolling file is maintained by the Depot RPO and is located in the depot office bldg. T-111. This book is well maintained and contains all the information necessary for compliance with DNSC-ORPP regulations.

- a.) Documentation for all radiological training received by depot personnel is included in the Radiological Data Handbook.
- b.) Individual exposure records are current and maintained in the rolling file cabinet. The quarterly exposure records are signed by the RPO. Each individual has signed the annual exposure record dated 2/06/2002 indicating that the information in the results were discussed and correct. All individuals on the program were given copies. There are no over doses for this annual report.
- c.) DD Form 1952's for all depot personnel are recorded in the RPO files. Blocks 11 through 20 have been left blank per DNSC directive.
- d.) In compliance with ORPP par. 4.3., NRC form 3 "Notice to Employees" and the location of the NRC License is posted. Also posted is the Energy Reorganization Act of 1974, Section 206. The mentioned forms are posted in the administration office.
- e.) An Occupant Emergency Plan has been established for New Haven Depot. Notification to The New Haven Fire Department and Response Team and dates of meeting here at the facility is on record in the "Radiological Data Handbook". The New Haven Fire Dept & Rescue Team visited the Depot on 8/23/2001. The subject material/commodities for this report is listed under the title of "Hazardous

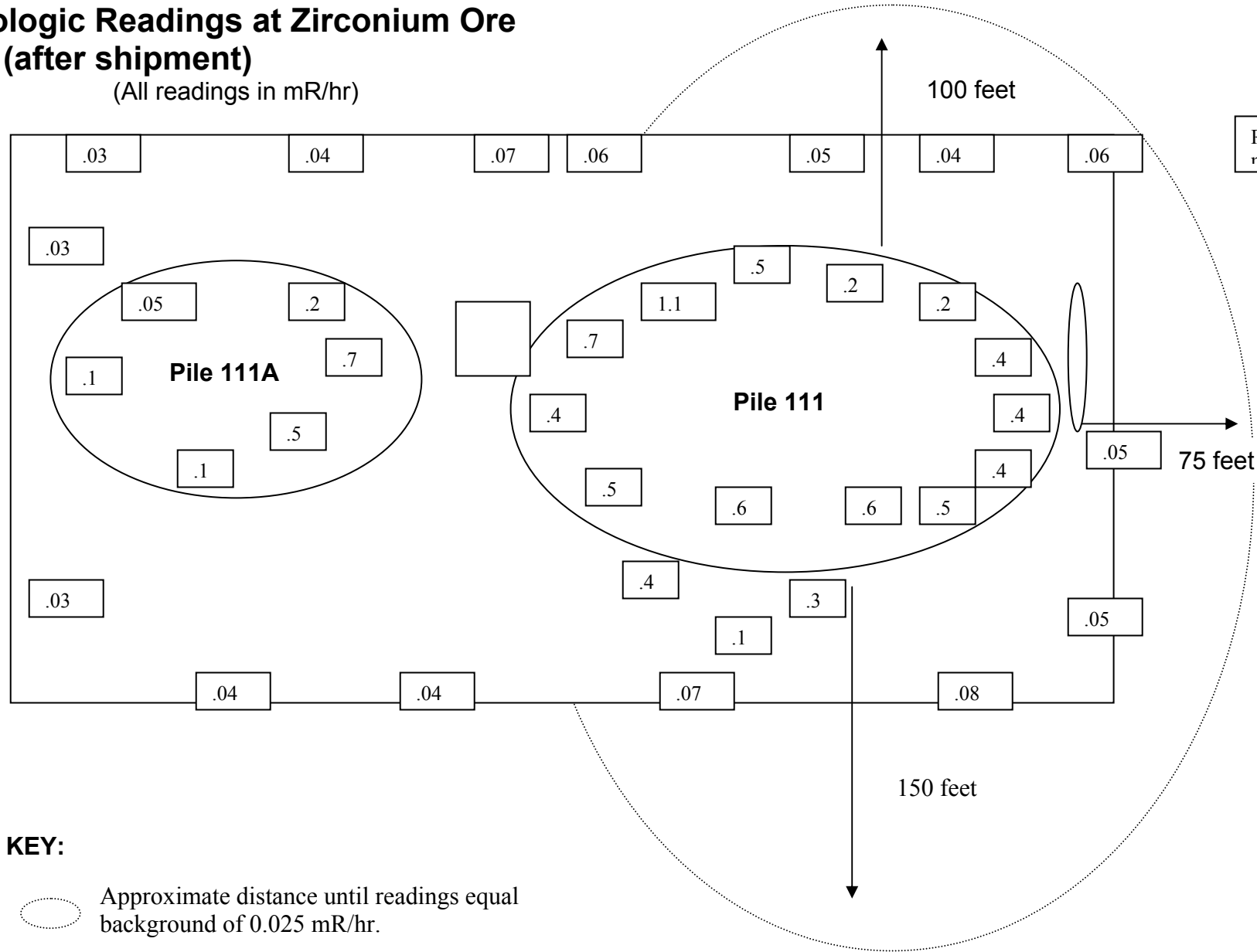
Material Leak/Spill" in the Emergency Plan. A copy of the MSDS's and the commodity location is available in a knox box at the Security Guard Office.

- f.) On file in the " Radiological Data Handbook" are calibration certificates and prior radiological surveys. Also available in this file are DLAR 1000.28, DLAR 4145.23, 10 CFR 20 & 40, 29 CFR Part 1910 and 49 CFR Parts 171 through 189, U.S. NRC Regulatory Guide 8.13 & 8.29, ANSI 29.2 - 1972.
 - g.) Records are on file at this depot that documents the annual physicals. The results of the physicals are not on file at this depot. Also on file are the respiratory fit testing records for all the personnel that have respirators.
 - h.) The decontamination facility is located in warehouse 214, section 1. This facility is equipped with filtered air, showers, wall lockers, restroom facilities, washer and dryer. This area is also used to store protective equipment and protective clothing (tyvek suits, respirators, etc.)
 - i.) There is a letter on file at New Haven Depot with all the names of the personnel receiving Radiation Training dated 1/9/02. The letter list the names of all depot personnel including the security force that received radiation training.
5. This survey was conducted in accordance with Defense National Stockpile Center Occupational Radiation Protection Program guidelines. The instrumentation used was a FAG 40 F6 and an Eberline E-520 Geiger Counter referenced in 4.a. above. See attached "Monitoring Radiation Report" for specific survey results and attached Maps for a graphic depiction of the analytic data.
6. Conclusion:
- a.) Results of this survey indicate that licensed materials at the New Haven Depot appear to be stored in accordance with applicable regulations.
 - b.) All warning signs, labels, markings, placards appear to be properly posted.
 - c.) Background was established (excluding the restricted area around the two ore piles 111 & 111A) to be 0.025 mR/hr. Exposure levels at the restricted area fence were recorded to be 0.03 to 0.08 mR/hr. Measurements made in direct contact with the ground where the ore piles were located yielded readings from 0.05 to 1.1 mR/hr. Exposure levels in the controlled areas of warehouse 214, section 3 yielded readings from 0.05 to 0.80 mR/hr.
7. Attachments:
- 1. Radiological Readings at Zirconium Ore Pile
 - 2. Monitoring Radiation Report (for outside storage)
 - 3. Monitoring Radiation Report (for inside storage)
 - 4. Readings Taken In Contact With Material
 - 5. Readings Taken One Foot Away From Material
 - 6. Readings Taken At Warehouse Exit Doors
 - 7. Accountability of Tantalum in Storage (pages 1-4)



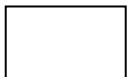
Radiologic Readings at Zirconium Ore Piles (after shipment)

(All readings in mR/hr)

Readings in mR/hr

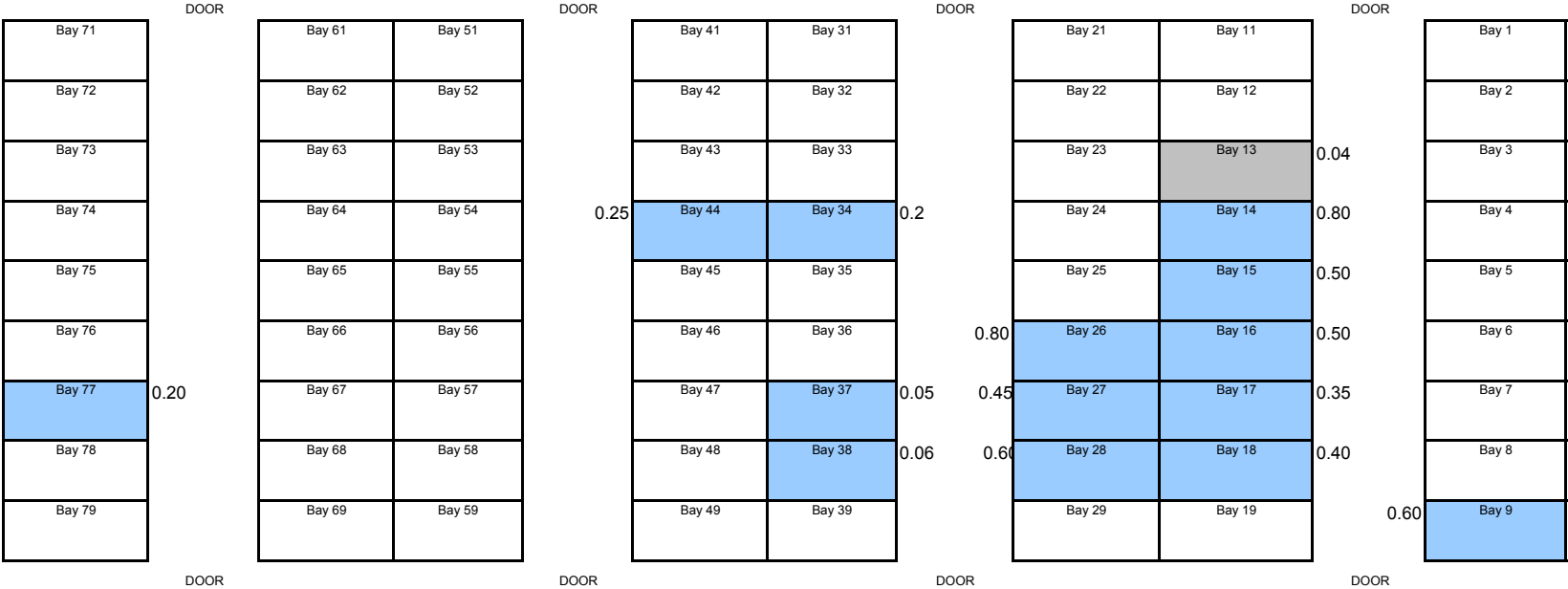


KEY:

-  Approximate distance until readings equal background of 0.025 mR/hr.
-  Former Zirconium Ore Piles (all readings are at contact)
-  Fence Surrounding Ore Piles

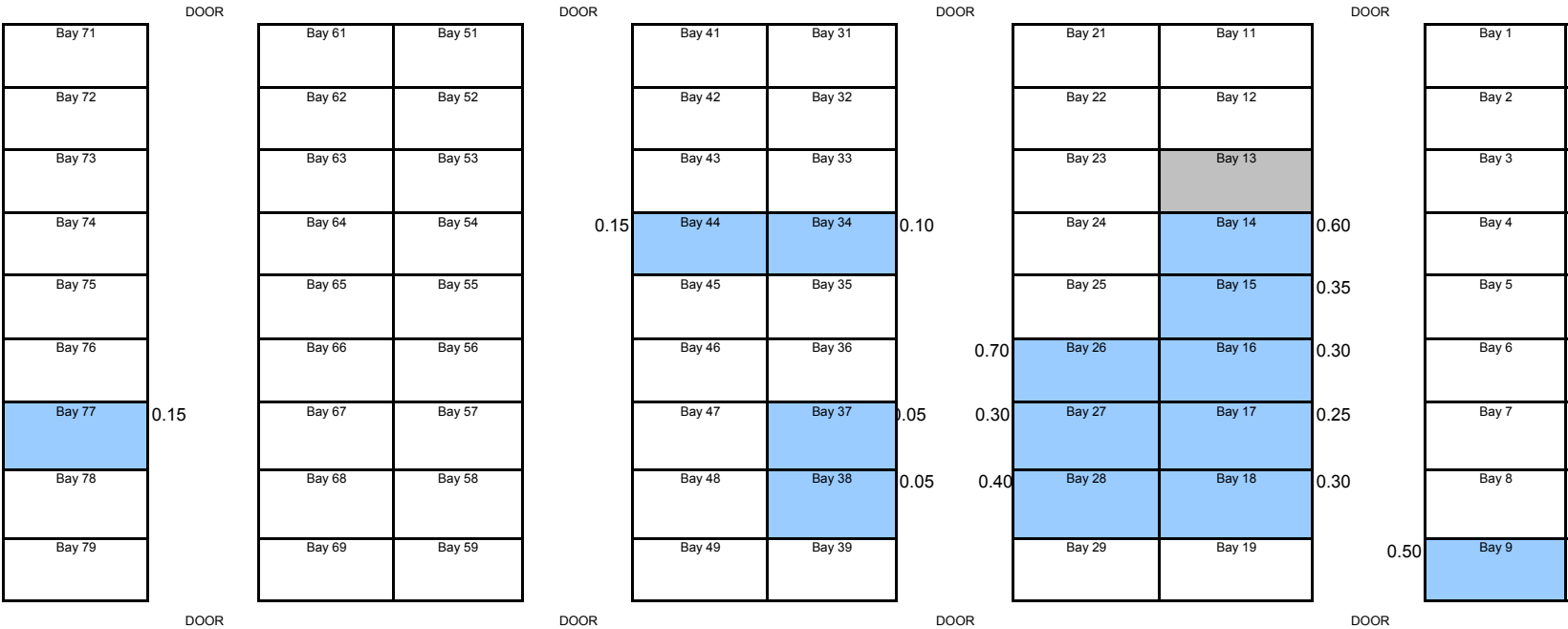
READINGS TAKEN IN CONTACT WITH MATERIAL
(All readings in mR/hr)
WAREHOUSE 214, SECTION 3

Former containment area for sampling
Permanent Storage



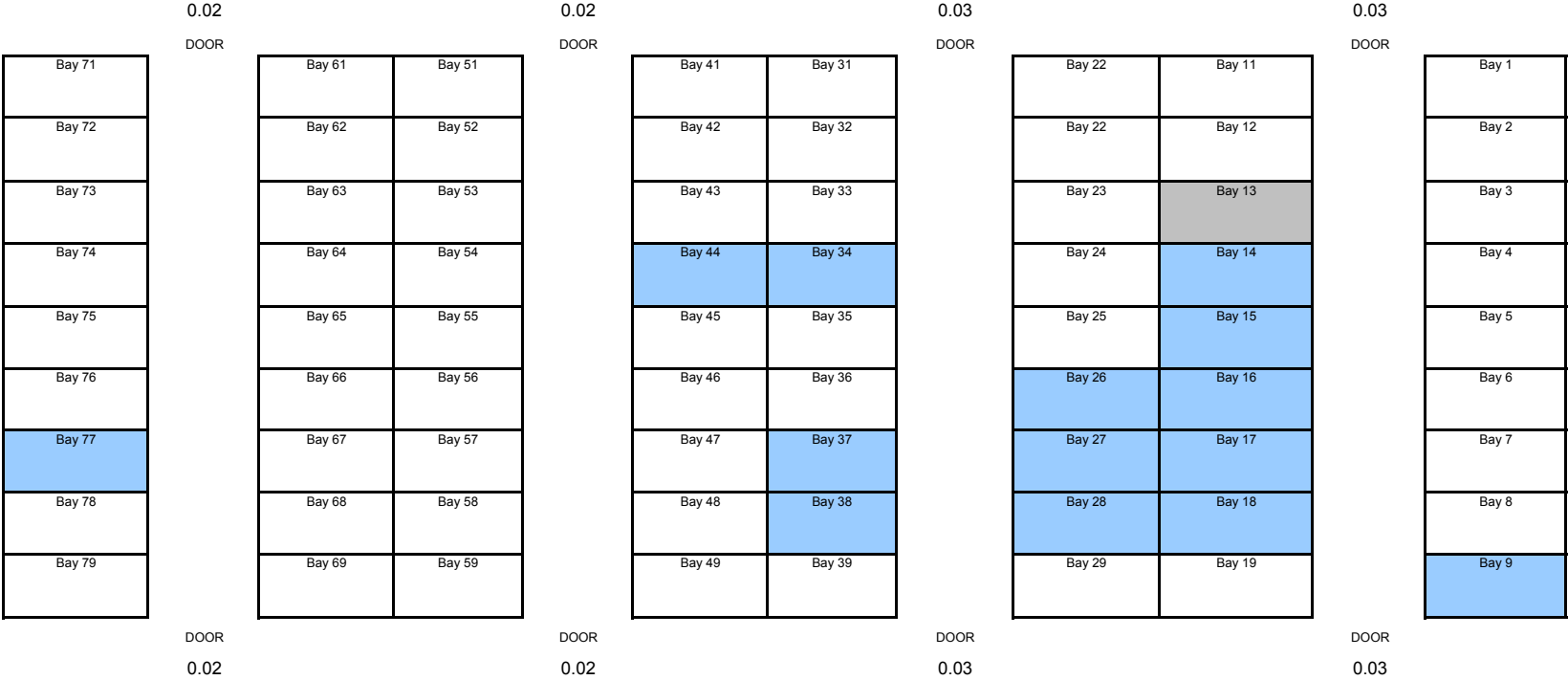
READINGS TAKEN ONE FOOT AWAY FROM MATERIAL
(All readings in mR/hr)
WAREHOUSE 214, SECTION 3

Former containment area for sampling
Permanent Storage



READINGS TAKEN AT WAREHOUSE EXIT DOORS
(Readings in mR/hr)
WAREHOUSE 214, SECTION 3

Former containment area for sampling
Permanent Storage



MONITORING RADIATION REPORT

Monitor: Bill Till

Date: July 2002

Report No. 10

Section 3, Bay 13 is a former containment area that was used for sampling Tantalum Material.

Time	Whse 214	Object or Person Monitored	Instrument Used	Shield	Distance	Range	mR/hr	Dose Rate
N/A	Section 3 Bay 77	Inside Storage Columbium Tantalum	Geiger Counter	N/A	Contact 1 foot		0.20	
							0.15	
N/A	Section 3 Bay 44	Inside Storage Columbium Tantalum	Geiger Counter	N/A	Contact 1 foot		0.25	
							0.15	
N/A	Section 3 Bay 38	Inside Storage Columbium Tantalum	Geiger Counter	N/A	Contact 1 foot		0.06	
							0.05	
N/A	Section 3 Bay 37	Inside Storage Columbium Tantalum	Geiger Counter	N/A	Contact 1 foot		0.05	
							0.05	
N/A	Section 3 Bay 34	Inside Storage Columbium Tantalum	Geiger Counter	N/A	Contact 1 foot		0.20	
							0.10	
N/A	Section 3 Bay 28	Inside Storage Columbium Tantalum	Geiger Counter	N/A	Contact 1 foot		0.60	
							0.40	
N/A	Section 3 Bay 27	Inside Storage Columbium Tantalum	Geiger Counter	N/A	Contact 1 foot		0.45	
							0.30	
N/A	Section 3 Bay 26	Inside Storage Columbium Tantalum	Geiger Counter	N/A	Contact 1 foot		0.80	
							0.70	
N/A	Section 3 Bay 18	Inside Storage Columbium Tantalum	Geiger Counter	N/A	Contact 1 foot		0.40	
							0.30	
N/A	Section 3 Bay 17	Inside Storage Columbium Tantalum	Geiger Counter	N/A	Contact 1 foot		0.35	
							0.25	
N/A	Section 3 Bay 16	Inside Storage Columbium Tantalum	Geiger Counter	N/A	Contact 1 foot		0.50	
							0.30	
N/A	Section 3 Bay 15	Inside Storage Columbium Tantalum	Geiger Counter	N/A	Contact 1 foot		0.50	
							0.35	
N/A	Section 3 Bay 14	Inside Storage Columbium Tantalum	Geiger Counter	N/A	Contact 1 foot		0.80	
							0.60	
N/A	Section 3 Bay 13	Inside Storage Sampling Area	Geiger Counter	N/A	Contact 1 Foot		0.04	
							0.03	
N/A	Section 3 Bay 9	Inside Storage Columbium Tantalum	Geiger Counter	N/A	Contact 1 foot		0.60	
N/A	Outside of Section 3	Doors-N9, N10, N11, N12 S9, S10, S11, S12	Geiger Counter	N/A	Contact Contact		0.03	
							0.02	