



DEFENSE LOGISTICS AGENCY
DEFENSE NATIONAL STOCKPILE ZONE
26 FEDERAL PLAZA
NEW YORK, NY 10278-0024 0043



IN REPLY
REFER TO

28 FEB 1991

DNSZ-NYQ (M. Pecullan/264-2653/jb)

SUBJECT: Closeout Radiological Survey
Voorheesville, NY

TO: DNSC-O

1. During the period 23 Jul through 01 Aug 90 all licensable source material was transferred from the DNSC Storage Site at Voorheesville, NY to the DNSC Depot at Scotia, NY.
2. A closeout survey has been conducted by our Radiological Officer, D. Wesolowski. His enclosed report indicates that he had no readings above normal background in the area which formerly contained the radioactive material.
3. We concur in the recommendation to have the Voorheesville location removed from NRC source materials license STC-133.

Encl


T. J. De GRAZIA
Zone Administrator

NOTIFICATION OF STOCKPILE INSPECTION

1. NAME AND LOCATION OF DEPOT OR FACILITY DLA/DNSZ Voorheesville Stg Area, Guilderland Ctr, NY	NAME AND TYPE OF COMMODITY CLOSEOUT RADIOLOGICAL SURVEY	3. SERIAL NO. 16-FINAL 4. DNSZ-NY
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5. DATE OF INSPECTION	A. LAST 28 Nov 89 B. THIS 15-16 Nov 90 21-22 Feb 91	6. TYPE OF STORAGE AND SPECIFIC DEPOT AREA Former Outside Open Storage Area 38 B
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7. NAME AND TITLE OF PERSON RESPONSIBLE FOR MATERIAL F. Suhr, Depot Manager	7A. TEL. NO. OR CODE (518)-370-1422 or	7B. EXTENSION -0393
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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 DSR No. dated			
11. UNITS	Quantity indicated in Item 14h reflects Depot Posting 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 %	(3) CLASS III %

14. DESCRIPTION OF CONTAINERS, PILES, OR OTHER UNITS										
PRO-GRAM	TYPE (Pile, case, ingot, bale, etc.)	WIDTH	LENGTH	HEIGHT	DIAM-ETER	g. WEIGHT OF UNIT		TOTAL NUM-BER OF UNITS	i. TOTAL WEIGHT	
						(1) GROSS	(2) NET		(1) GROSS	(2) NET

16. 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 continuation sheets...

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

It is recommended that: 1) this facility be removed from the DNSC Source Materials License STC-133 as a storage site and 2) all formerly required documents, posted in the facility office trailer in accordance with applicable regulations, be removed.

17. DISTRIBUTION	<input checked="" type="checkbox"/> Q. A. DIVISION <input checked="" type="checkbox"/> ORIGINATING DEPOT <input type="checkbox"/> FINANCE	<input checked="" type="checkbox"/> Q. A. ZONE BRANCH <input type="checkbox"/> STOCKPILE OP. DIVISION <input type="checkbox"/> CONTRACTOR	<input checked="" type="checkbox"/> SUPERVISORY Q. A. <input type="checkbox"/> CONTRACTING OFFICER <input checked="" type="checkbox"/> OTHER (specify) DNSC-OL
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18. NAME OF INSPECTOR (Type or print) D. M. Wesolowski, SQAS	18A. SIGNATURE 	18B. DATE OF SIGNATURE 26 Feb 91
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This final radiological survey report is issued to document a gamma/beta and alpha radiation closeout survey conducted at the Voorheesville Storage Area, Guilderland Center, New York.

Material formerly stored at this facility consisted of Columbiuim/Tantalum Source Material, packaged in full removable head Universal Type steel drums with bolt and closing ring. Drums were stored cordwood fashion in five rows, stacked two drums high on concrete blocks. All containers (drums) were in Class I condition as defined in the Quality Assurance and Materials Inspection Handbook PRM P 4400.1. Under authority of Special Project DMZ-10012 all material was relocated to the DLA/DNSZ Depot, Scotia, New York during the period 23 Jul - Aug 01 90.

The former storage location, 55' x 170', was designated as Open Storage Area 38 B at this facility. Following a survey pattern extrapolated from the former storage/stacking design, the entire area was surveyed for gamma/beta and alpha radiation (approximately 400 reading each). Additionally, the adjacent outloading (shipping) area was also monitored. Areas were monitored for gamma/beta radiation using an Eberline Geiger Counter, Model E-120 with the beta shield in the open position. This instrument was last factory calibrated on 27 Mar 90 and is kept at the nearby DLA/DNSC Depot, Scotia, New York. Alpha monitoring was conducted using an Eberline Scintillation Type Portable Alpha Counter, Model PAC-1SA equipped with a AC-3-7 Detector Assembly. This instrument was last factory calibrated on 15 Jan 91 and is kept at the DLA/DNSC Depot, Curtis Bay, Maryland.

DISCUSSION:

This material was stored at this facility from Jun 78 until Aug 90. During that period material was continuously stored in steel drums, cordwood fashion on concrete blocks. All containers were sound in all respects, exhibiting only minor insignificant dents and/or abrasions throughout the storage duration and subsequent outloading procedures. Monitoring results obtained during this closeout survey were consistent with those found and/or expected from normal background reading.

See attached "Monitoring Radiation Report" for complete details.

MONITORING RADIATION REPORT

Monitors D. M. Wesolowski, SOAS

Date 15-16 Nov 90 & 21-22 Feb 91

Report No. 16-FINAL

mr/hr

TIME	LOCATION	OBJECT OR PERSON MONITORED	INSTRUMENT USED	SHIELD		DISTANCE	RANGE	READING	DOSE RATE
				Open	Closed				
1015-1500 15 Nov 90	Open Storage								
1030-1230 16 Nov 90	Area 38-B	former Columbium/Tantalum Source Material Storage Location	Eberline E-120	X		Contact	X 0.1	0-0.3	0-0.03
1415-1530 21 Feb 91	Open Storage								CPM
1015-1115 22 Feb 91	Area 38-B	former Columbium/Tantalum Source Material Storage Location	Eberline Alpha Counter PAC-1SA	N/A		1/8"-1/4"	X0.1	0	0

COMMENTS: Background gamma/beta radiation reading approximatley 50' from former material storage site: 0-0.03 mr/hr
Background alpha radiation reading approximately 50' from former material storage site: 0 CPM