ATTACHMENT 1

040-00341

DEFENSE LOGISTICS AGENCY
DEFENSE NATIONAL STOCKPILE CENTER
1745 JEFFERSON DAVIS HIGHWAY
ARLINGTON, VIRGINIA 22202

12 JUL 1990

IN REPLY
REFER TO

DNSC-OD (Kevin Reilly/746-7342/jm)

SUBJECT: Facility Release and Amendment Request

U.S. Nuclear Regulatory Commission
475 Allendale Road
King of Prussia, PA 19406
ATTN: Mr. John Kinneman, Chief
Nuclear Material Safety Section B
Division of Radiation Safety and Safeguards

Dear Mr. Kinneman:

The Defense National Stockpile Center (DNSC) is submitting the following information for your review and concurrence to release the previously used storage section at the U.S. Naval Weapons Support Center, Crane, Indiana. This is also a request for you to amend our Nuclear Regulatory Commission (NRC) source material license No. STC-133 to delete this site as a licensed facility.

In an effort to further consolidate DNSC storage sites and maintain direct control of our stockpile commodities, 584 drums totalling 226,372 pounds of columbium/tantalum source material was relocated from the U.S. Naval Weapons Center, Crane, Indiana to the DNSC New Haven Depot, New Haven, Indiana. This relocation project was performed during the week of 16 April 1990.

Prior to shipment all drums were inspected and monitored on contact. All drums were intact and sound showing no signs of damage or leakage and the average contact radiation readings ranged between 0.040 - 0.045 Mr/hr. Each transport vehicle was monitored prior to shipment and when they were unloaded at our New Haven facility. All vehicles showed radiation levels to be well within background levels (see enclosed shipping papers).

Upon completion of this project the entire warehouse section at the Crane Naval facility was swept clean and all floor sweeping were collected and included with the relocated material.
A complete radiological survey was then conducted in the storage section and revealed levels commensurate with background. The maximum radiation level recorded in the storage section was 0.020 Mr/hr. (background average - 0.020 Mr/hr).

112869

In summary, all drums containing the Low Specific Activity (LSA) radioactive columbium and tantalum source material were intact. The material and transport vehicles were monitored at both the shipping and receiving locations and all readings were commensurate with background radiation readings.

In following along with NRC'S new policy on Below Regulatory Concern (BRC), we clearly feel this area can easily be open for unrestricted use. Since we have completely relocated all the radioactive source material at this site we also respectfully request this site be removed from our source material license No. STC-133.

Should you have any questions or require additional information please contact Mr. Kevin Reilly of my staff on (703) 746-7342.

Encls

KERMIT L. FRYE, JR.
Director,
Directorate of Stockpile
Operations

DNSZ-HHD (Allen Bixler/(219)937-5274/35) 25 June 90

SUBJECT: N. R. C. Material License

TO: DNSC-D

1. One of the radioactive materials on our NRC Material License is columbium tantalum source material which contains uranium. Columbium tantalum source material was relocated from the Naval Weapons Support Center, Crane (NWSCC), Indiana to the DLA/Defense National Stockpile Depot at New Haven, Indiana, during the week of 16 April 1990. This relocation will require an amendment to our NRC License, removing NWSCC as a storage location and increasing the amount of licensable columbium tantalum source material stored at the DLA/DNSZ-New Haven, Indiana Depot.

2. Relocation consisted of 347 drums (84,598 lbs) of columbium natural minerals, 237 drums (141,774 lbs) of tantalum natural minerals, and two (2) drums of floor sweepings from Contract SEC-TS-1107.

3. The relocation of this material to the DLA/Defense National Stockpile Zone Depot results in having 2,110 drums (454,060 lbs) of columbium natural minerals, 3,224 drums, boxes and bags (809,112.25 lbs) of tantalum natural minerals and two (2) drums of floor sweepings from Contract SEC-TS-1107 being stored at this location.

4. The average contact radiation reading of the columbium natural minerals is 0.450 Mr/Hr. The Average contact radiation reading of the tantalum natural minerals is 0.400 Mr/Hr.

5. On 15 May 1990, Allen Bixler, Chief, Quality Assurance Division, conducted a radiation survey of the vacated storage space, inspection aisles and loading dock of warehouse 2067 at NWSCC. (Forms DLAH 30 attached) A Dosimeter FAG FH40F6 Kugelishcher radiometer (Geiger counter) calibrated on 14 March 1990 was utilized in this survey. The maximum radiation reading in warehouse 2067 was 0.020 Mr/Hr. The normal background reading at NWSCC is 0.020 Mr/Hr.

6. A copy of this memorandum with attachments is being forwarded to Kevin Reilly (DNSC-OD) for appropriate action.

ROBERT H. BRETZ
Zone Administrator
Defense National Stockpile Zone (HMD)

Encl

Concurrence: HMQ

cc: DNSC-OD
Ofc. file HMD
Reading file HMD
HMQ
HMO

NOTIFICATION OF STOCKPILE INSPECTION 3320

1. NAME AND LOCATION OF DEPOT OR FACILITY Naval Weapons Support Center Crane, IN	2. NAME AND TYPE OF COMMODITY Columbium Tantalum Source Material Tantalum Natural Minerals	3. SERIAL NO. 71 FINAL 4. REGION Hammond

5. DATE OF INSPECTION A. LAST 26 Apr 89 B. THIS 15 May 90	6. TYPE OF STORAGE AND SPECIFIC DEPOT AREA Warehouse location - 2067	

7. NAME AND TITLE OF PERSON RESPONSIBLE FOR MATERIAL Mr. Larry Howard, Material Division Manager	7A. TEL. NO. OR CODE 812-854-1437	7B. EXTENSION

INSPECTION DATA (Check and complete. Explain negative responses)		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 QSR 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

PROGRAM a.	TYPE (Pile, case, ingot, bale, etc.) b.	WIDTH c.	LENGTH d.	HEIGHT e.	DIAMETER f.	g. WEIGHT OF UNIT (1) GROSS	(2) NET	TOTAL NUMBER OF UNITS h.	i. TOTAL WEIGHT (1) GROSS	(2) NET

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)

Material was relocated to the New Haven Depot, New Haven, IN., the week of 16 Apr 1990. All material was shipped. Vacated warehouse space is clean. Vacated space was checked with a Dosimeter FAG FH40F6 radiometer, calibrated on 14 Mar 1990. The maximum radiation reading in warehouse 2067 was 0.020 MR/HR which is the normal background reading at NWSC, Crane, IN

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

Warehouse space should be released for unrestricted use.

17. DISTRIBUTION	[X] Q. A. DIVISION [X] ORIGINATING DEPOT [ ] FINANCE	[X] Q. A. ZONE BRANCH [X] STOCKPILE OP. DIVISION [ ] CONTRACTOR	[ ] SUPERVISORY Q. A. [ ] CONTRACTING OFFICER [X] OTHER (specify) HMW-WA/ HMW-HA/ HMW-NH

18. NAME OF INSPECTOR (Type or print) Allen R. Bixler ALLEN R. BIXLER, Chief, Quality Assurance Div.	18A. SIGNATURE	18B. DATE OF SIGNATURE 16 May 90

DLAH FORM 20 This form supersedes GSA Form 22[illegible]

TRANSPORTATION CONTROL AND MOVEMENT DOCUMENT

PAGE NO.

1. DOC.	2. TRLR-CONT	3. CONSIGNOR	4. COMM-SPEC HDLG	5. AIR DIM	6. POE	7. POD
TJ0	9736356	N00164 NWSC CRANE IN				

8. MODE	9. RACK	10. TRANS CONTROL NO.	11. CONSIGNEE	12. PRI	13. RDD	14. PROJ	15. DATE SHPD	16. SID	17. POI
I	PT	N00164 0099 A131 XZX	DLA NEW HAVEN INDIANA	2	117		0109		N915

18. CARRIER	19. FLIGHT-TRUCK-VOY DOC. NO.	20. REF	21. REMARKS	22. PIECES	23. WEIGHT	24. CUBE
NAVY SEMI TRACTOR TRAILER						

25A. TRANSHIP POINT (1)	B. DATE REC.	C. BAY WHSE	D. DATE SHPD	E. MODE CARRIER	F. FLIGHT-TRUCK-VOY DOC. NO.	G. REF.	H. STOWLOC	I. SPLIT	J. COND.	K. SIGNATURE-REMARKS
26A. TRANSHIP POINT (2)	B. DATE REC.	C. BAY WHSE	D. DATE SHPD	E. MODE CARRIER	F. FLIGHT-TRUCK-VOY DOC. NO.	G. REF.	H. STOWLOC	I. SPLIT	J. COND.	K. SIGNATURE-REMARKS
27A. TRANSHIP POINT (3)	B. DATE REC.	C. BAY WHSE	D. DATE SHPD	E. MODE CARRIER	F. FLIGHT-TRUCK-VOY DOC. NO.	G. REF.	H. STOWLOC	I. SPLIT	J. COND.	K. SIGNATURE-REMARKS
28. CONSIGNEE	29. DATE RECEIVED-OFFERED (Sign)			30. CONDITION	31. REMARKS					

32. DOC ID	33. TRAILER-CONTAINER	34. CONSIGNOR COMM ABBR OTHER	35. COMMODITY SPEC HDLG	36. VOY NO. AIR DIM A	36. VOY NO. POE B	37. POD	38. MODE	39. TYPE PACK	40. TRANSPORTATION CONTROL NUMBER	41. CONSIGNEE	42. PRI	43. REMARKS AND/OR RDD A	PROJ B	STOW LOC SHPD C	STOW LOC ETA D	TAC E	44. ADDITIONAL REMARKS PIECE A	WEIGHT B	CUBE C
TJ6			TRAILER NUMBER 11 HAD A MAXIMUM RADIATION READING OF 0.016MR/HR,															UN2912	
TJ9			WHICH IS WITHIN NORMAL BACKGROUND. THIS TRAILER IS RELEASED FOR									RADIOACTIVE MATERIAL, LOW							1
TJ9			UNRESTRICTED USE.						Winnie L. McCray			SPECIFIC ACTIVITY, N.O.S.							2
TJ9									WINNIE L. MCCRAY, QAS			RADIOACTIVE MATERIAL UN2912							3
TJ9												(COLUMBIUM/TANTALUM)							4
	GROSS	46940							DEFENSE LOGISTICS AGENCY										
	TARE	25250							DEFENSE NATIONAL STOCKPILE ZONE										
	NET	21690							NEW HAVEN DEPOT										
	SEAL	0407516							STATE HIGHWAY 14, 3 MILES EAST OF NEW HAVEN										
									NEW HAVEN, INDIANA 46774										
									PHONE (219)749-5953										

Dave S. Lothamer
20 Apr 90

DD FORM 1384, 1 APR 66 S/N 0102-LF-013-5700 REPLACES EDITION OF 1 APR 63, WHICH MAY BE USED

1. DOC ID	2. CONTROL NO.	3. CONSIGNOR	4. COMM. SPEC HDLG	5. AIR DIM	6. POE	7. POD
TJ0	97-37793	N00164 NWSC CRANE IN				

8. MODE	9. PACK	10. TRANS CONTROL NO.	11. CONSIGNEE	12. PRI	13. RDD	14. PROJ	15. DATE SHPD	16. STA	17. TR ACCT
I	PT	N00164 0099 A131 XKX	DLA NEW HAVEN INDIANA	2	117		0109	0	N925

18. CARRIER	19. FLIGHT-TRUCK-VOY DOC. NO.	20. REP	21. REMARKS	22. PIECES	23. WEIGHT	24. CUBE
NAVY SEMI TRACTOR TRAILER				8	26110	

25A. TRANSHIP POINT (1)	B. DATE REC.	C. BAY WHSE	D. DATE SHPD	E. MODE CARRIER	F. FLIGHT-TRUCK-VOY DOC. NO.	G. REP.	H. STOWLOC	I. SPLIT	J. COND	K. SIGNATURE-REMARKS
26A. TRANSHIP POINT (2)	B. DATE REC.	C. BAY WHSE	D. DATE SHPD	E. MODE CARRIER	F. FLIGHT-TRUCK-VOY DOC. NO.	G. REP.	H. STOWLOC	I. SPLIT	J. COND.	K. SIGNATURE-REMARKS
27A. TRANSHIP POINT (3)	B. DATE REC.	C. BAY WHSE	D. DATE SHPD	E. MODE CARRIER	F. FLIGHT-TRUCK-VOY DOC. NO.	G. REP.	H. STOWLOC	I. SPLIT	J. COND.	K. SIGNATURE-REMARKS
28. CONSIGNEE	29. DATE RECEIVED-OPPERED (Sign)			30. CONDITION	31. REMARKS					

32. DOC ID	33. TRAILER-CONTAINER	34. CONSIGNOR COMM ABBR OTHER	35. COMMODITY SPEC HDLG	36. VOY NO. AIR DIM A	36. VOY NO. POE B	37. POD	38. MODE	39. TYPE PACK	40. TRANSPORTATION CONTROL NUMBER	41. CONSIGNEE	42. PRI	43. REMARKS AND/OR RDD A	PROJ B	STOW LOC SHPD C	STOW LOC STA D	TAC E	44. ADDITIONAL REMARKS OR PIECE A	WEIGHT B	C C
TJ6			TRAILER NUMBER 10 HAD A MAXIMUM RADIATION READING OF 0.021 MR/HR,																
TJ9			WHICH IS WITHIN NORMAL BACKGROUND. THIS TRAILER IS RELEASED FOR															UN2912	
TJ9			UNRESTRICTED USE.									RADIOACTIVE MATERIAL, LOW							1
TJ9												SPECIFIC ACTIVITY, N.O.S.							2
TJ9												RADIOACTIVE MATERIAL UN2912							3
												(COLUMBIUM/TANTALUM)							4
	GROSS 52520																		
	TARE 26410																		
	NET 26110																		
	SEAL 0407510-14																		

WINNIE L. MCCRAY, QAS

Doris S. Lathamer
20 Apr 90

DEFENSE LOGISTICS AGENCY
DEFENSE NATIONAL STOCKPILE ZONE
NEW HAVEN DEPOT
STATE HIGHWAY 14, 3 MILES EAST OF NEW HAVEN
NEW HAVEN, INDIANA 46774
PHONE (219)749-5953

DD FORM 1384, 1 APR 86 S/N 0102-LF-013-5700 REPLACES EDITION OF 1 APR 63, WHICH MAY BE USED

DOC ID	TRANS-CONT	CONSIGNOR	COMM. SPEC HDLG	AIR DIM	POE
TJ0	97-37794	N00164 NWSC CRANE IN			

MODE	PACK	TRANS CONTROL NO	CONSIGNEE	PM	RDD	PROJ	DATE SHPD	ETA	TR ACCT
1	PT	N00164 0099 A131 XIX	DLA NEW HAVEN INDIANA	2	117		0109	0	N925

CARRIER	FLIGHT · TRUCK · VOY DOC. NO.	RFP	REMARKS	PIECES	WEIGHT	CUBE
NAVY SEMI TRACTOR TRAILER				8	28140	

TRANSHIP POINT	DATE REC.	BAY WHSE	DATE SHPD	MODE CARRIER	FLIGHT-TRUCK-VOY DOC. NO	REF	STOWLOC	SPLIT	COND	SIGNATURE-REMARKS
25A. TRANSHIP POINT (1)	B.	C.	D.	E.	F.	G.	H.	I.	J.	K.
26A. TRANSHIP POINT (2)	B.	C.	D.	E.	F.	G.	H.	I.	J.	K.
27A. TRANSHIP POINT (3)	B.	C.	D.	E.	F.	G.	H.	I.	J.	K.

CONSIGNEE	DATE RECEIVED-OFFERED (Sign)	CONDITION	REMARKS
28.	29.	30.	31.

32. DOC ID	33. TRAILER-CONTAINER	34. CONSIGNOR COMM ARBR OTHER	35. COMMODITY SPEC HDLG	36. VOY NO. AIR DIM A	36. VOY NO. POE B	37. POD	38. MODE	39. TYPE PACK	40. TRANSPORTATION CONTROL NUMBER	41. CONSIGNEE	42. PRI	43. REMARKS AND/OR RDD A	PROJ B	STOW LOC SHPD C	STOW LOC ETA D	TAC E	44. ADDITIONAL REMARKS OR PIECE A	WEIGHT B	C C
TJ6			TRAILER NUMBER 9 HAD A MAXIMUM RADIATION READING OF 0.019MR/HR, WHICH IS WITHIN NORMAL BACKGROUND. THIS TRAILER IS RELEASED FOR UNRESTRICTED USE.															UN2912	
TJ9									Winnie L. McCray WINNIE L. MCCRAY, QAS			RADIOACTIVE MATERIAL, LOW							1
TJ9												SPECIFIC ACTIVITY, N.O.S.							2
TJ9												RADIOACTIVE MATERIAL UN2912							3
TJ9												(COLUMBIUM/TANTALUM)							4
	GROSS 53680																		
	TARE 25540								DEFENSE LOGISTICS AGENCY			Doris S Lathamer 20 apr 90							
	NET 28140								DEFENSE NATIONAL STOCKPILE ZONE										
	SEAL 0407521-22								NEW HAVEN DEPOT										
									STATE HIGHWAY 14, 3 MILES EAST OF NEW HAVEN										
									NEW HAVEN, INDIANA 46774										
									PHONE (219)749-5953										

DD FORM 1384, 1 APR 66 S/N 0102-LF-013-5700 REPLACES EDITION OF 1 APR 63, WHICH MAY BE USED

1. ID	2.	3.	4. COMM. SPEC HDLG	5. AIR DIM	6. POE	7. POD
TJ0	97-3779	N00164 NWSC CRANE IN				

8. MODE	9. PACK	10. TRANS CONTROL NO.	11. CONSIGNEE	12. PRI	13. RDD	14. PROJ	15. DATE SHPD	16. ETA	17. TR ACCT
I	PT	N00164 0099 A131 XHX	DLA NEW HAVEN INDIANA	2	117		0188	0	N925

18. CARRIER	19. FLIGHT · TRUCK · VOY DOC. NO.	20. REF	21. REMARKS	22. PIECES	23. WEIGHT	24. CUBE
NAVY SEMI TRACTOR TRAILER				8PLT	28530	

25A. TRANSHIP POINT (1)	B. DATE REC.	C. BAY WHSE	D. DATE SHPD	E. MODE CARRIER	F. FLIGHT-TRUCK-VOY DOC. NO.	G. REF	H. STOWLOC	I. SPLIT	J. COND	K. SIGNATURE-REMARKS
26A. TRANSHIP POINT (2)	B. DATE REC.	C. BAY WHSE	D. DATE SHPD	E. MODE CARRIER	F. FLIGHT-TRUCK-VOY DOC. NO.	G. REF.	H. STOWLOC	I. SPLIT	J. COND	K. SIGNATURE-REMARKS
27A. TRANSHIP POINT (3)	B. DATE REC.	C. BAY WHSE	D. DATE SHPD	E. MODE CARRIER	F. FLIGHT-TRUCK-VOY DOC. NO.	G. REF.	H. STOWLOC	I. SPLIT	J. COND.	K. SIGNATURE-REMARKS
28. CONSIGNEE	29. DATE RECEIVED-OFFERED (Sign)		30. CONDITION	31. REMARKS						

32. DOC ID	33. TRAILER-CONTAINER	34. CONSIGNOR COMM ABBR OTHER	35. COMMODITY SPEC HDLG	36. VOY NO. AIR DIM A	36. VOY NO. POE B	37. POD	38. MODE	39. TYPE PACK	40. TRANSPORTATION CONTROL NUMBER	41. CONSIGNEE	42. PRI	43. REMARKS AND/OR RDD A	PROJ B	STOW LOC SHPD C	STOW LOC ETA D	TAC E	44. ADDITIONAL REMARKS OR PIECE A	WEIGHT B	CUBE C
TJ6			TRAILER NUMBER 8 HAD A MAXIMUM RADIATION READING OF 0.015 MR/HR, WHICH IS WITHIN NORMAL BACKGROUND. THIS TRAILER IS RELEASED FOR UNRESTRICTED USE.															UN2912	
TJ9									Winnie L. McCray			RADIOACTIVE MATERIAL, LOW							1
TJ9									WINNIE L. MCCRAY, QAS			SPECIFIC ACTIVITY, N.O.S.							2
TJ9												RADIOACTIVE MATERIAL UN2912							3
TJ9												(COLUMBIUM/TANTALUM)							4
	GROSS	53 570										Doris S Lothamer 20 Apr 90							
	TARE	25040							DEFENSE LOGISTICS AGENCY										
	NET	28 530							DEFENSE NATIONAL STOCKPILE ZONE										
	SEAL	0407558-59							NEW HAVEN DEPOT										
									STATE HIGHWAY 14, 3 MILES EAST OF NEW HAVEN										
									NEW HAVEN, INDIANA 46774										
									PHONE (219)749-5953										

DD FORM 1384, 1 APR 66 S/N 0102-LF-013-5700 REPLACES EDITION OF 1 APR 63, WHICH MAY BE USED

AR 4/27/90

U.S. GOVERNMENT PRINTING OFFICE: 1983-609-866

TRANSPORTATION CONTROL AND MOVEMENT DOCUMENT

PAGE NO.

1. DOC ID	2. TRLR CONT	3. CONSIGNOR	4. COMM SPEC HDLG	5. AIR DIM	6. POE	7. POD
TJ0	97-37790	N00164 NWSC CRANE IN				

8. MODE	9. PACK	10. TRANS CONTROL NO.	11. CONSIGNEE	12. PRI	13. RDD	14. PROJ.	15. DATE SHPD	16. ETA	17. TR ACCT
I	PT	N00164 0099 A131 XGX	DLA NEW HAVEN INDIANA	2	117		0108	0	N925

18. CARRIER	19. FLIGHT - TRUCK - VOY DOC. NO.	20. REF	21. REMARKS	22. PIECES	23. WEIGHT	24. CUBE
NAVY SEMI TRACTOR TRAILER				8PLT	25734	

25A. TRANSHIP POINT (1)	B. DATE REC.	C. BAY WHSE	D. DATE SHPD	E. MODE CARRIER	F. FLIGHT-TRUCK-VOY DOC. NO.	G. REF	H. STOWLOC	I. SPLIT	J. COND	K. SIGNATURE-REMARKS
26A. TRANSHIP POINT (2)	B. DATE REC.	C. BAY WHSE	D. DATE SHPD	E. MODE CARRIER	F. FLIGHT-TRUCK-VOY DOC. NO.	G. REF.	H. STOWLOC	I. SPLIT	J. COND.	K. SIGNATURE-REMARKS
27A. TRANSHIP POINT (3)	B. DATE REC.	C. BAY WHSE	D. DATE SHPD	E. MODE CARRIER	F. FLIGHT-TRUCK-VOY DOC. NO.	G. REF.	H. STOWLOC	I. SPLIT	J. COND.	K. SIGNATURE-REMARKS

28. CONSIGNEE	29. DATE RECEIVED-OFFERED (Sign)	30. CONDITION	31. REMARKS

32. DOC ID	33. TRAILER-CONTAINER	34. CONSIGNOR COMM ABBR OTHER	35. COMMODITY SPEC HDLG	36. VOY NO. AIR DIM A	36. VOY NO. POE B	37. POD	38. MODE	39. TYPE PACK	40. TRANSPORTATION CONTROL NUMBER	41. CONSIGNEE	42. PRI	43. REMARKS AND/OR RDD A	PROJ B	STOW LOC SHPD C	STOW LOC ETA D	TAC E	44. ADDITIONAL REMA PIECE A	WEIGHT B
TJ6																		UN2912
TJ9																		
TJ9																		
TJ9																		
TJ9																		

TRAILER NUMBER 7 HAD A MAXIMUM RADIATION READING OF 0.020 MR/HR, WHICH IS WITHIN NORMAL BACKGROUND. THIS TRAILER IS RELEASED FOR UNRESTRICTED USE.

Winnie L. McCray

WINNIE L. MCCRAY, QAS

RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY, N.O.S. RADIOACTIVE MATERIAL UN2912 (COLUMBIUM/TANTALUM)

Doris S Lotsmer
20 Apr 90

GROSS 50780
TARE 25046
NET 25,734
SEAL 0407524-25

DEFENSE LOGISTICS AGENCY
DEFENSE NATIONAL STOCKPILE ZONE
NEW HAVEN DEPOT
STATE HIGHWAY 14, 3 MILES EAST OF NEW HAVEN
NEW HAVEN, INDIANA 46774
PHONE (219)749-5953

U.S. GOVERNMENT PRINTING OFFICE: 1983-609-868

TRANSPORTATION CONTROL AND MOVEMENT DOCUMENT

1. DOC ID	TJ0
2. TRLR-CONT	94-37789
3. CONSIGNOR	N00164 NWSC CRANE IN
4. COMM-SPEC HDLG	
5. AIR DIM	
6. POE	
7. POD	
PAGE NO	
8. MODE	I
9. PACK	PT
10. TRANS CONTROL NO.	N00164 0099 A131 XFX
11. CONSIGNEE	DLA NEW HAVEN INDIANA
12. PRI	2
13. RDD	117
14. PROJ	
15. DATE SHPD	0107
16. ETA	0
17. TR ACCT	N925
18. CARRIER	NAVY SEMI TRACTOR TRAILER
19. FLIGHT-TRUCK-VOY DOC. NO.	
20. REF	
21. REMARKS	
22. PIECES	8 PLTS
23. WEIGHT	24120
24. CUBE	

25A. TRANSHIP POINT (1)	B. DATE REC.	C. BAY WHSE	D. DATE SHPD	E. MODE CARRIER	F. FLIGHT-TRUCK-VOY DOC. NO.	G. REF.	H. STOWLOC	I. SPLIT	J. COND	K. SIGNATURE-REMARKS
26A. TRANSHIP POINT (2)	B. DATE REC.	C. BAY WHSE	D. DATE SHPD	E. MODE CARRIER	F. FLIGHT-TRUCK-VOY DOC. NO.	G. REF.	H. STOWLOC	I. SPLIT	J. COND.	K. SIGNATURE-REMARKS
27A. TRANSHIP POINT (3)	B. DATE REC.	C. BAY WHSE	D. DATE SHPD	E. MODE CARRIER	F. FLIGHT-TRUCK-VOY DOC. NO.	G. REF.	H. STOWLOC	I. SPLIT	J. COND.	K. SIGNATURE-REMARKS
28. CONSIGNEE	29. DATE RECEIVED-OFFERED (Sign)			30. CONDITION	31. REMARKS					

32. DOC ID	33. TRAILER-CONTAINER	34. CONSIGNOR COMM ABBR OTHER	35. COMMODITY SPEC HDLG	36. VOY NO. AIR DIM A	36. VOY NO. POE B	37. POD	38. MODE	39. TYPE PACK	40. TRANSPORTATION CONTROL NUMBER	41. CONSIGNEE	42. PRI	43. REMARKS AND/OR RDD A	PROJ B	STOW LOC SHPD C	STOW LOC ETA D	TAC E	44. ADDITIONAL REMARKS PIECE A	WEIGHT B	CUBE C
TJ6			TRAILER NUMBER 6 HAD A MAXIMUM RADIATION READING OF 0.020 MR/HR, WHICH IS WITHIN NORMAL BACKGROUND. THIS TRAILER IS RELEASED FOR UNRESTRICTED USE.																
TJ9																		UN2912	
TJ9												RADIOACTIVE MATERIAL, LOW							1
TJ9												SPECIFIC ACTIVITY, N.O.S.							2
TJ9												RADIOACTIVE MATERIAL UN2912							3
												(COLUMBIUM/TANTALUM)							4
	GROSS 49690																		
	TARE 25570																		
	NET 24120																		
	SEAL GH175970-73																		

ALLEN R. BIXLER
CHIEF, QUALITY ASSURANCE DIV.

DEFENSE LOGISTICS AGENCY
DEFENSE NATIONAL STOCKPILE ZONE
NEW HAVEN DEPOT
STATE HIGHWAY 14, 3 MILES EAST OF NEW HAVEN
NEW HAVEN, INDIANA 46774
PHONE: (219)749-5953

U.S. GOVERNMENT PRINTING OFFICE

TRANSPORTATION CONTROL AND MOVEMENT DOCUMENT

1. DOC ID	2. TRLR-CONT	3. CONSIGNOR	4. COMM-SPEC HDLG	5. AIR DIM	6. POE	7. POD	PAGE NO.
TJ0 97-37792		N00164 NWSC CRANE IN					

8. MODE	9. PACK	10. TRANS CONTROL NO.	11. CONSIGNEE	12. PRI	13. RDD	14. PROJ	15. DATE SHPD	16. ETA	17. TR ACCT
I	PT	N00164 0099 A131 XEX	DLA NEW HAVEN INDIANA	2	117		0107	0	N925

18. CARRIER	19. FLIGHT-TRUCK-VOY DOC. NO.	20. REF	21. REMARKS	22. PIECES	23. WEIGHT	24. CUBE
NAVY SEMI TRACTOR TRAILER				8	28870	

25A. TRANSHIP POINT (1)	B. DATE REC.	C. BAY WHSE	D. DATE SHPD	E. MODE CARRIER	F. FLIGHT-TRUCK-VOY. DOC. NO.	G. REF.	H. STOWLOC	I. SPLIT	J. COND.	K. SIGNATURE-REMARKS
26A. TRANSHIP POINT (2)	B. DATE REC.	C. BAY WHSE	D. DATE SHPD	E. MODE CARRIER	F. FLIGHT-TRUCK-VOY. DOC. NO.	G. REF.	H. STOWLOC	I. SPLIT	J. COND.	K. SIGNATURE-REMARKS
27A. TRANSHIP POINT (3)	B. DATE REC.	C. BAY WHSE	D. DATE SHPD	E. MODE CARRIER	F. FLIGHT-TRUCK-VOY. DOC. NO.	G. REF.	H. STOWLOC	I. SPLIT	J. COND.	K. SIGNATURE-REMARKS
28. CONSIGNEE	29. DATE RECEIVED-OFFERED (Sign)		30. CONDITION	31. REMARKS						

32. DOC ID	33. TRAILER-CONTAINER	34. CONSIGNOR COMM ABBR OTHER	35. COMMODITY SPEC HDLG	36. VOY NO. AIR DIM A	36. VOY NO. POE B	37. POD	38. MODE	39. TYPE PACK	40. TRANSPORTATION CONTROL NUMBER	41. CONSIGNEE	42. PRI	43. REMARKS AND/OR RDD A	PROJ B	STOW LOC SHPD C	STOW LOC ETA D	TAC E	44. ADDITIONAL REMARKS PIECES A	WEIGHT B	CUBE C
TJ6																			
TJ9																		UN2912	
TJ9																			1
TJ9																			2
TJ9																			3
																			4

TRAILER NUMBER 5 HAD A MAXIMUM RADIATION READING OF 0.015 MR/HR, WHICH IS WITHIN NORMAL BACKGROUND. THIS TRAILER IS RELEASED FOR UNRESTRICTED USE.

RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY, N.O.S.

RADIOACTIVE MATERIAL UN2912 (COLUMBIUM/TANTALUM)

Allen R. Bixler
ALLEN R. BIXLER
CHIEF, QUALITY ASSURANCE DIV.

GROSS 54340
TARE 25470
NET 28870
SEAL 0417593
0417595

DEFENSE LOGISTICS AGENCY
DEFENSE NATIONAL STOCKPILE ZONE
NEW HAVEN DEPOT
STATE HIGHWAY 14, 3 MILES EAST OF NEW HAVEN
NEW HAVEN, INDIANA 46774
PHONE (219)749-5953

Indira Bass

U.S. GOVERNMENT PRINTING OFFICE: 1983-409-868

TRANSPORTATION CONTROL AND MOVEMENT DOCUMENT

PAGE NO.

1. DOC ID	2. TALR CONT	3. CONSIGNOR	4. COMM SPEC HDLG	5. AIR DIM	6. POE	7. POD
TJ0	77-37794	N00164 NWSC CRANE IN				

8. MODE	9. PACK	10. TRANS CONTROL NO.	11. CONSIGNEE	12. PRI	13. RDD	14. PROJ	15. DATE SHPD	16. ETA	17. TR ACCT
I	PT	N00164 0099 A131 XDX	DLA NEW HAVEN INDIANA	2	117	/	0107	0	N925

18. CARRIER	19. FLIGHT · TRUCK · VOY DOC. NO.	20. REF	21. REMARKS	22. PIECES	23. WEIGHT	24. CUBE
NAVY SEMI TRACTOR TRAILER				8	19630	

25A. TRANSHIP POINT (1)	B. DATE REC.	C. BAY WHSE	D. DATE SHPD	E. MODE CARRIER	F. FLIGHT-TRUCK-VOY DOC. NO.	G. REF.	H. STOWLOC	I. SPLIT	J. COND	K. SIGNATURE-REMARKS
26A. TRANSHIP POINT (2)	B. DATE REC.	C. BAY WHSE	D. DATE SHPD	E. MODE CARRIER	F. FLIGHT-TRUCK-VOY DOC. NO.	G. REF.	H. STOWLOC	I. SPLIT	J. COND.	K. SIGNATURE-REMARKS
27A. TRANSHIP POINT (3)	B. DATE REC.	C. BAY WHSE	D. DATE SHPD	E. MODE CARRIER	F. FLIGHT-TRUCK-VOY DOC. NO.	G. REF.	H. STOWLOC	I. SPLIT	J. COND.	K. SIGNATURE-REMARKS
28. CONSIGNEE	29. DATE RECEIVED-OFFERED (Sign)			30. CONDITION	31. REMARKS					

32. DOC ID	33. TRAILER-CONTAINER	34. CONSIGNOR COMM ABBR OTHER	35. COMMODITY SPEC HDLG	36. VOY NO. AIR DIM A	36. VOY NO. POE B	37. POD	38. MODE	39. TYPE PACK	40. TRANSPORTATION CONTROL NUMBER	41. CONSIGNEE	42. PRI	43. REMARKS AND/OR RDD A	PROJ B	STOW LOC SHPD C	STOW LOC ETA D	TAC E	44. ADDITIONAL REMARKS OF PIECE A	WEIGHT B	CUBE C
TJ6			TRAILER NUMBER 4 HAD A MAXIMUM RADIATION READING OF 0.014 MR/HR, WHICH IS WITHIN NORMAL BACKGROUND. THIS TRAILER IS RELEASED FOR UNRESTRICTED USE.																
TJ9																		UN2912	
TJ9																	RADIOACTIVE MATERIAL, LOW		1
TJ9																	SPECIFIC ACTIVITY, N.O.S.		2
TJ9																	RADIOACTIVE MATERIAL UN2912		3
																	(COLUMBIUM/TANTALUM)		4
	GROSS 46050																		
	TARE 26420																		
	NET 19630																		
	SEAL 0417574-77																		

Allen R. Bixler
ALLEN R. BIXLER
CHIEF, QUALITY ASSURANCE DIV.

DEFENSE LOGISTICS AGENCY
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NEW HAVEN DEPOT
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NEW HAVEN, INDIANA 46774
PHONE (219)749-5953

Andrew Bo

TRANSPORTATION CONTROL AND MOVEMENT DOCUMENT

PAGE NO.

1. DOC ID	2. TRLR-CONT	3. CONSIGNOR	4. COMM SPEC HDLG	5. AIR DIM	6. POE	7. POD
TJ0	97-31793	N00164 NWSC CRANE IN				

8. MODE	9. PACK	10. TRANS CONTROL NO.	11. CONSIGNEE	12. PRI	13. RDD	14. PROJ	15. DATE SHPD	16. ETA	17. TR ACCT
L	PT	N00164 0099 A131 XCX	DLA NEW HAVEN, INDIANA	2	117		0107	0	N925

18. CARRIER	19. FLIGHT-TRUCK-VOY DOC. NO.	20. REF	21. REMARKS	22. PIECES	23. WEIGHT	24. CUBE
NAVY SEMI TRACTOR TRAILER				8	17800	

25A. TRANSHIP POINT (1)	B. DATE REC.	C. BAY WHSE	D. DATE SHPD	E. MODE CARRIER	F. FLIGHT-TRUCK-VOY DOC. NO.	G. REF.	H. STOW LOC	I. SPLIT	J. COND.	K. SIGNATURE-REMARKS
26A. TRANSHIP POINT (2)	B. DATE REC.	C. BAY WHSE	D. DATE SHPD	E. MODE CARRIER	F. FLIGHT-TRUCK-VOY DOC. NO.	G. REF.	H. STOW LOC	I. SPLIT	J. COND.	K. SIGNATURE-REMARKS
27A. TRANSHIP POINT (3)	B. DATE REC.	C. BAY WHSE	D. DATE SHPD	E. MODE CARRIER	F. FLIGHT-TRUCK-VOY DOC. NO.	G. REF.	H. STOW LOC	I. SPLIT	J. COND.	K. SIGNATURE-REMARKS
28. CONSIGNEE	29. DATE RECEIVED-OFFERED (SIGN)		30. CONDITION	31. REMARKS						

32. DOC ID	33. TRAILER-CONTAINER	34. CONSIGNOR COMM ABBR OTHER	35. COMMODITY SPEC HDLG	36. VOY NO. AIR DIM A	36. VOY NO. POE B	37. POD	38. MODE	39. TYPE PACK	40. TRANSPORTATION CONTROL NUMBER	41. CONSIGNEE	42. PRI	43. REMARKS AND/OR RDD A	PROJ B	STOW LOC SHPD C	STOW LOC ETA D	TAC E	44. ADDITIONAL REMARK PIECES A	WEIGHT B	CU
TJ6			TRAILER NUMBER 3 HAD A MAXIMUM RADIATION READING OF 0.020 MR/HR, WHICH IS WITHIN NORMAL BACKGROUND. THIS TRAILER IS RELEASED FOR UNRESTRICTED USE.															UN2912	
TJ9												RADIOACTIVE MATERIAL, LOW							
TJ9									ALLEN R. BIXLER			SPECIFIC ACTIVITY, N.O.S.							
TJ9									CHIEF, QUALITY ASSURANCE DIV.			RADIOACTIVE MATERIAL UN2912							
TJ9												(COLUMBIUM/TANTALUM)							
									DEFENSE LOGISTICS AGENCY										
									DEFENSE NATIONAL STOCKPILE ZONE										
									NEW HAVEN DEPOT										
									STATE HIGHWAY 14, 3 MILES EAST OF NEW HAVEN										
									NEW HAVEN, INDIANA 46774										
									PHONE (219)749-5953										
	GROSS 42750																		
	TARE = 24950																		
	NET 17800																		
	SEAL 0417548-58																		

U.S. GOVERNMENT PRINTING OFFICE: 1983-609-866

TRANSPORTATION CONTROL AND MOVEMENT DOCUMENT

PAGE NO

1. DOC ID	2. TRA POINT	3. CONSIGNOR	4. COMM. SPEC HDLG	5. AIR DIM	6. POE	7. POD
TJU	07-31790	N00164 NWSC CRANE IN				

8. MODE	9. PACK	10. TRANS CONTROL NO.	11. CONSIGNEE	12. PRI	13. RDD	14. PROJ	15. DATE SHPD	16. ETA	17. TR ACCT
I	PT	N00164 0099 A131 XBX	DLA NEW HAVEN INDIANA	2	117		0106	0	N925

18. CARRIER	19. FLIGHT - TRUCK - VOY DOC. NO.	20. REF	21. REMARKS	22. PIECES	23. WEIGHT	24. CUBE
NAVY SEMI TRACTOR TRAILER				8	16630	

25A. TRANSHIP POINT (1)	B. DATE REC.	C. BAY WHSE	D. DATE SHPD	E. MODE CARRIER	F. FLIGHT-TRUCK-VOY DOC. NO.	G. REF	H. STOW LOC	I. SPLIT	J. COND	K. SIGNATURE-REMARKS
26A. TRANSHIP POINT (2)	B. DATE REC.	C. BAY WHSE	D. DATE SHPD	E. MODE CARRIER	F. FLIGHT-TRUCK-VOY DOC. NO.	G. REF.	H. STOW LOC	I. SPLIT	J. COND.	K. SIGNATURE-REMARKS
27A. TRANSHIP POINT (3)	B. DATE REC.	C. BAY WHSE	D. DATE SHPD	E. MODE CARRIER	F. FLIGHT-TRUCK-VOY DOC. NO.	G. REF.	H. STOW LOC	I. SPLIT	J. COND.	K. SIGNATURE-REMARKS

28. CONSIGNEE	29. DATE RECEIVED-OFFERED (Sign)	30. CONDITION	31. REMARKS

32. DOC ID	33. TRAILER-CONTAINER	34. CONSIGNOR COMM ABBR OTHER	35. COMMODITY SPEC HDLG	36. VOY NO. AIR DIM A	36. VOY NO. POE B	37. POD	38. MODE	39. TYPE PACK	40. TRANSPORTATION CONTROL NUMBER	41. CONSIGNEE	42. PRI	43. REMARKS AND/OR RDD A	PROJ B	STOW LOC SHPD C	STOW LOC ETA D	TAC E	44. ADDITIONAL REMARKS PIECE A	WEIGHT B	CUBE C
TJ6			TRAILER NUMBER 2 HAD A MAXIMUM RADIATION READING OF 0.014 MR/HR WHICH IS WITHIN NORMAL BACKGROUND. THIS TRAILER IS RELEASED FOR UNRESTRICTED USE.															UN2912	
TJ9												RADIOACTIVE MATERIAL, LOW							
TJ9									ALLEN R. BIXLER CHIEF, QUALITY ASSURANCE DIV.			SPECIFIC ACTIVITY, N.O.S.							
TJ9												RADIOACTIVE MATERIAL UN2912							
TJ9												(COLUMBIUM/TANTALUM)							
	GROSS	42630																	
	TARE	26000																	
	NET	16630																	
	SEAL	0417560-64							DEFENSE LOGISTICS AGENCY DEFENSE NATIONAL STOCKPILE ZONE NEW HAVEN DEPOT STATE HIGHWAY 14, 3 MILES EAST OF NEW HAVEN NEW HAVEN, INDIANA 46774 PHONE (219)749-5953									

4/20/90

U.S. GOVERNMENT PRINTING OFFICE: 1983—609—866

TRANSPORTATION CONTROL AND MOVEMENT DOCUMENT

1. DOC ID	2. TRA CONT	3. CONSIGNOR	4. COMM. SPEC HDLG	5. AIR DIM	6. POE	7. POD	PAGE NO.
TJ0	41-3799	N00164 NWSC CRANE IN					

8. MODE	9. PACK	10. TRANS CONTROL NO.	11. CONSIGNEE	12. PRI	13. RDD	14. PROJ	15. DATE SHPD	16. ETA	17. TR ACC
I	PT	N00164 0099 A131 XAX	DLA NEW HAVEN INDIANA	2	117		0106	0	N925

18. CARRIER	19. FLIGHT-TRUCK-VOY DOC. NO.	20. REF	21. REMARKS	22. PIECES	23. WEIGHT	24. CUBE
NAVY SEMI TRACTOR TRAILER				81	18020	

25A. TRANSHIP POINT (1)	B. DATE REC.	C. DAY WHSE	D. DATE SHPD	E. MODE CARRIER	F. FLIGHT-TRUCK-VOY DOC. NO.	G. REF.	H. STOW LOC	I. SPLIT	J. COND	K. SIGNATURE-REMARKS
26A. TRANSHIP POINT (2)	B. DATE REC.	C. DAY WHSE	D. DATE SHPD	E. MODE CARRIER	F. FLIGHT-TRUCK-VOY DOC. NO.	G. REF.	H. STOW LOC	I. SPLIT	J. COND.	K. SIGNATURE-REMARKS
27A. TRANSHIP POINT (3)	B. DATE REC.	C. DAY WHSE	D. DATE SHPD	E. MODE CARRIER	F. FLIGHT-TRUCK-VOY DOC. NO.	G. REF.	H. STOW LOC	I. SPLIT	J. COND.	K. SIGNATURE-REMARKS
28. CONSIGNEE	29. DATE RECEIVED-OFFERED (Sign)			30. CONDITION	31. REMARKS					

32. DOC ID	33. TRAILER-CONTAINER	34. CONSIGNOR COMM ABBR OTHER	35. COMMODITY SPEC HDLG	36. VOY NO. AIR DIM A	36. VOY NO. POE B	37. POD	38. RDD	39. TYPE PACK	40. TRANSPORTATION CONTROL NUMBER	41. CONSIGNEE	42. PRI	43. REMARKS AND/OR RDD A	PROJ B	STOW LOC SHPD C	STOW LOC ETA D	TAC E	44. ADDITIONAL REMARKS PIECE A	WEIGHT B
TJ6																		
TJ9																		UN2912
TJ9																		
TJ9																		
TJ9																		

TRAILER NUMBER 1 HAD A MAXIMUM RADIATION READING OF 0.018 MR/HR, WHICH IS WITHIN NORMAL BACKGROUND. THIS TRAILER IS RELEASED FOR UNRESTRICTED USE.

Allen R. Bixler
ALLEN R. BIXLER
CHIEF, QUALITY ASSURANCE DIV.

RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY, N.O.S.

RADIOACTIVE MATERIAL UN2912

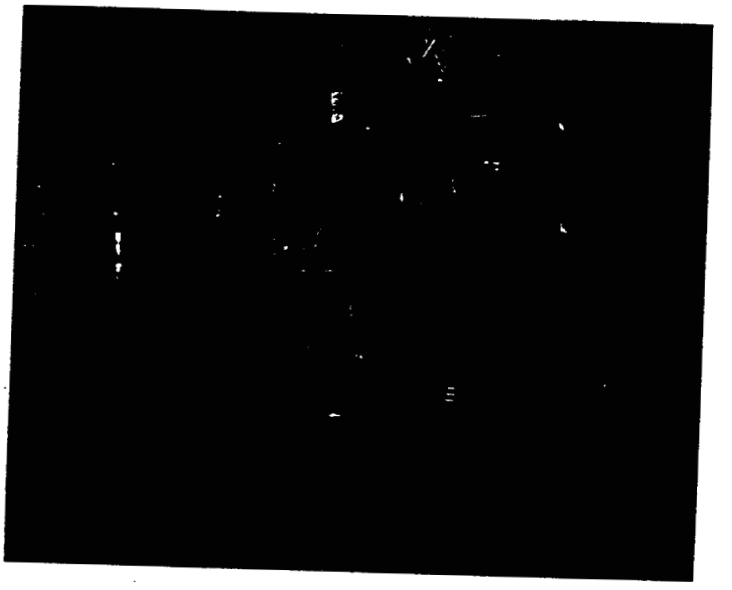
(COLUMBIUM/TANTALUM)

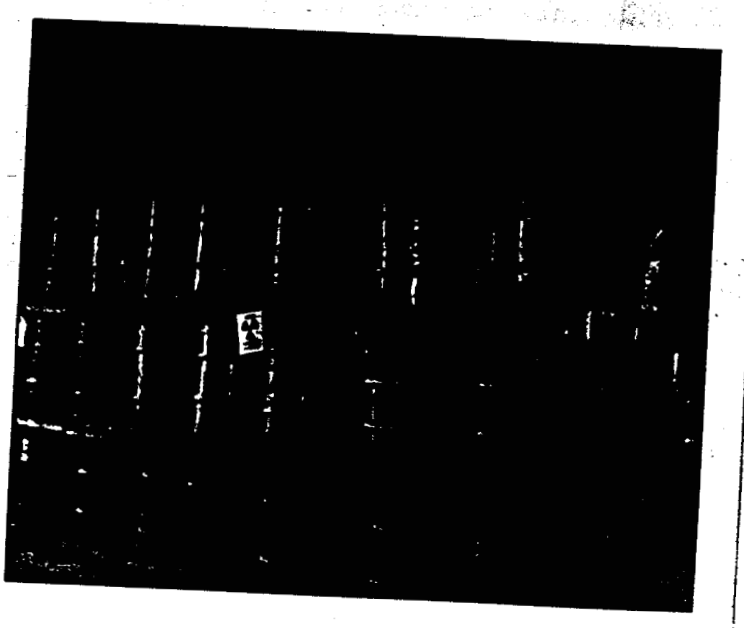
GROSS 44,120
TARE 26100
NET 18,020
SEAL 0417568-71

DEFENSE LOGISTICS AGENCY
~~DEFENSE NATIONAL STOCKPILE ZONE~~
NEW HAVEN DEPOT
~~STATE HIGHWAY 14, 3 MILES EAST OF NEW HAVEN~~
NEW HAVEN, INDIANA 46774
PHONE (219)749-5953

Judie W. Brown

ATTACHMENT 2





REPRODUCED AT GOVERNMENT EXPENSE

REPRODUCED AT GOVERNMENT EXPENSE

ATTACHMENT 3

GUIDELINES FOR DECONTAMINATION OF FACILITIES AND EQUIPMENT PRIOR TO RELEASE FOR UNRESTRICTED USE OR TERMINATION OF LICENSES FOR BYPRODUCT, SOURCE, OR SPECIAL NUCLEAR MATERIAL

U.S. Nuclear Regulatory Commission
Division of Industrial and
Medical Nuclear Safety
Washington, DC 20555

August 1987

The instructions in this guide, in conjunction with Table 1, specify the radionuclides and radiation exposure rate limits which should be used in decontamination and survey of surfaces or premises and equipment prior to abandonment or release for unrestricted use. The limits in Table 1 do not apply to premises, equipment, or scrap containing induced radioactivity for which the radiological considerations pertinent to their use may be different. The release of such facilities or items from regulatory control is considered on a case-by-case basis.

1. The licensee shall make a reasonable effort to eliminate residual contamination.

2. Radioactivity on equipment or surfaces shall not be covered by paint, plating, or other covering material unless contamination levels, as determined by a survey and documented, are below the limits specified in Table 1 prior to the application of the covering. A reasonable effort must be made to minimize the contamination prior to use of any covering.

3. The radioactivity on the interior surfaces of pipes, drain lines, or ductwork shall be determined by making measurements at all traps, and other appropriate access points, provided that contamination at these locations is likely to be representative of contamination on the interior of the pipes, drain lines, or ductwork. Surfaces of premises, equipment, or scrap which are likely to be contaminated but are of such size, construction, or location as to make the surface inaccessible for purposes of measurement shall be presumed to be contaminated in excess of the limits.

4. Upon request, the Commission may authorize a licensee to relinquish possession or control of premises, equipment, or scrap having surfaces contaminated with materials in excess of the limits specified. This may include, but would not be limited to, special circumstances such as razing of buildings, transfer of premises to another organization continuing work with radioactive materials, or conversion of facilities to a long-term storage or standby status. Such requests must:

   a. Provide detailed, specific information describing the premises, equipment or scrap, radioactive contaminants, and the nature, extent, and degree of residual surface contamination.

   b. Provide a detailed health and safety analysis which reflects that the residual amounts of materials on surface areas, together with other considerations such as prospective use of the premises, equipment, or scrap, are unlikely to result in an unreasonable risk to the health and safety of the public.

TA

ACCEPTABLE SURFACE CONTAMINATION LEVELS

NUCLIDES[a]	AVERAGE[b c f]	MAXIMUM[b d f]	REMOVABLE[b e f]
at, U-235, U-238, and ociated decay products	5,000 dpm α/100 cm^2	15,000 dpm α/100 cm^2	1,000 dpm α/100 cm^2
nsuranics, Ra-226, Ra-228, 230, Th-228, Pa-231, 227, I-125, I-129	100 dpm/100 cm^2	300 dpm/100 cm^2	20 dpm/100 cm^2
nat, Th-232, Sr-90, 223, Ra-224, U-232, I-126, 31, I-133	1000 dpm/100 cm^2	3000 dpm/100 cm^2	200 dpm/100 cm^2
a-gamma emitters (nuclides h decay modes other than ha emission or spontaneous sion) except Sr-90 and ers noted above.	5000 dpm $\beta\gamma$/100 cm^2	15,000 dpm $\beta\gamma$/100 cm^2	1000 dpm $\beta\gamma$/100 cm^2

ere surface contamination by both alpha- and beta-gamma-emitting nuclides exists, the limits established for alpha- and beta-gamma-emitting clides should apply independently.

used in this table, dpm (disintegrations per minute) means the rate of emission by radioactive material as determined by correcting the unts per minute observed by an appropriate detector for background, efficiency, and geometric factors associated with the instrumentation.

asurements of average contaminant should not be averaged over more than 1 square meter. For objects of less surface area, the average ould be derived for each such object.

e maximum contamination level applies to an area of not more than 100 cm^2.

e amount of removable radioactive material per 100 cm^2 of surface area should be determined by wiping that area with dry filter or soft sorbent paper, applying moderate pressure, and assessing the amount of radioactive material on the wipe with an appropriate instrument of own efficiency. When removable contamination on objects of less surface area is determined, the pertinent levels should be reduced oportionally and the entire surface should be wiped.

e average and maximum radiation levels associated with surface contamination resulting from beta-gamma emitters should not exceed 2 mrad/hr at 1 cm and 1.0 mrad/hr at 1 cm, respectively, measured through not more than 7 milligrams per square centimeter of tal absorber.

5. Prior to release of premises for unrestricted use, the licensee shall make a comprehensive radiation survey which establishes that contamination is within the limits specified in Table 1. A copy of the survey report shall be filed with the Division of Industrial and Medical Nuclear Safety, U. S. Nuclear Regulatory Commission, Washington, DC 20555, and also the Administrator of the NRC Regional Office having jurisdiction. The report should be filed at least 30 days prior to the planned date of abandonment. The survey report shall:

   a. Identify the premises.

   b. Show that reasonable effort has been made to eliminate residual contamination.

   c. Describe the scope of the survey and general procedures followed.

   d. State the findings of the survey in units specified in the instruction.

   Following review of the report, the NRC will consider visiting the facilities to confirm the survey.

ATTACHMENT 4

```
*****************************************************************
*****************      18-MAY-92 16:30:01      *****************
*****************************************************************

COUNT OF SAMPLES FROM NAVAL WEAPONS SUPPORT CENTER(GIBBONS).

SPECTRAL FILE NAME:  A923831M.R3L
SAMPLE DATE:  13-MAY-92 13:00:00
SAMPLE IDENTIFICATION:  A923831M.R3L
TYPE OF SAMPLE:  NUCON SMEAR
SAMPLE QUANTITY:   1.000000        UNITS:  XXXX
SAMPLE GEOMETRY:  A2
EFFICIENCY FILE NAME:  A2.EFF
*****************************************************************
                                      *
ACQUIRE DATE: 18-MAY-92 14:52:44      * FWHM(1332)          2.083
PRESET TIME(LIVE):      7200. SEC     * SENSITIVITY:        5.000
ELAPSED REAL TIME:      5769. SEC     * SHAPE PARAMETER : 10.0 %
ELAPSED LIVE TIME:      5768. SEC     * NBR ITERATIONS:     10.
                                      *
*****************************************************************
                                      *
DETECTOR: ADC Detector          * LIBRARY:NUCL.LIB
CALIB DATE:  14-MAY-92 10:35:43       * ENERGY TOLERANCE:   1.000 KEV
KEV/CHNL:        .5021155             * HALF LIFE RATIO:    8.00
OFFSET:        -.5393691 KEV          * ABUNDANCE LIMIT:    75.00%
                                      *
*****************************************************************


                    ENERGY WINDOW     -.04 TO  4112.79

 PK IT  ENERGY   AREA   BKGND   FWHM  CHANNEL  LEFT  FW  CTS/SEC %ERR    F

  1  0  510.39    63.     18.   2.59  1017.55  1012  14 1.10E-02 19.6

          PEAK SEARCH COMPLETED  (REV 15.8 - ND PC VERSION   DEC 88)

          PULSE-PILE-UP CORRECTED DATA. CORRECTION =  1.000
         UNCORR. LIVE TIME:  5768.CORRECTED LIVE TIME:  5768.

 PK IT   ENERGY    AREA    BKGND   FWHM  CHANNEL  LEFT  FW  CTS/SEC %ERR

  1  0   510.39     63.      18.   2.59  1017.55  1012  14 1.10E-02 19.6

PILE-UP CORRECTION COMPLETED


NUCLIDE IDENTIFICATION SYSTEM   (ND PC VERSION   DEC 88)
NUCLIDE LINE ACTIVITY REPORT                                  PAGE  1
   ELAPSED LIVE TIME:    5768.  (PILE-UP CORRECTED)


ACTIVATION PRODUCT
                                                        UCI/      1-SIG
NUCLIDE SBHR  ENERGY    AREA   BKGND    %ABN    %EFF    XXXX       ERR
ANIL-511 AP   511.00     63.     18.   96.73*  1.565E+00  3.059E 15  5.99C
```

REGION III

LABORATORY ANALYSIS REPORT

5/28/92

****

DATE: 05/19/92 18:11:19

TITLE: COUNT OF SAMPLES FROM NAVAL WEAPONS SUPPORT CENTER, CRANE, IN. WAREHOUSE #B2067(DOC.# 040-00341).

INSTRUMENT: CANBERRA/TRS-80 ALPHA/BETA ANALYSIS SYSTEM

SAMPLES FROM: NAVAL WEAPONS SUPPORT CENTER, CRANE, INDIANA.

SAMPLE TYPE: NUCON DRY SMEARS.

COLLECTED BY: SAMPLES COLLECTED BY D. GIBBONS.

COLLECTED ON: SAMPLES COLLECTED ON MAY 13, 1992 @ APPROXIMATELY 1300.

ERRORS ARE AT THE 95% (2 SIGMA) CONFIDENCE LEVEL

****

	LIVE TIME(MIN)	ACTIVITY (DPM)	COUNTS ALPHA	COUNTS BETA	EFFICIENCY	+/-ERROR	%ATTE
BACKGROUND :	9.99998		3	12			
ALPHA SOURCE:	9.80463	8740	23444	3284	.311734	.0101	0
BETA SOURCE:	9.99638	21429	435	67174	.315547	.0098	0

	ALPHA	BETA
LC: CRITICAL LEVEL (DPM)	1.29689	2.56244
LD: DETECTION LIMIT (DPM)	3.46815	5.98869
LOSS DUE TO CROSSTALK	.122825	6.25802E-03

ALPHA				BETA			
COUNTS	DPM	ERROR	uCi/UNIT ERROR	COUNTS	DPM	ERROR	uCi/UNIT ERROR
SAMPLE=92-383	DESCRIPTION: #1						
POS. = 4	LIVE TIME(MIN)= 9.99999 VOLUME= 1 - PER SAMPLE						
1.	< 1.5	< 6.68E-07	*	7.	< 2.6	< 1.17E-06	
SAMPLE=92-384	DESCRIPTION: #2						
POS. = 5	LIVE TIME(MIN)= 9.99998 VOLUME= 1 - PER SAMPLE						
3.	< 1.5	< 6.69E-07	*	18.	< 4.8	< 2.16E-06	
SAMPLE=92-385	DESCRIPTION: #3						
POS. = 6	LIVE TIME(MIN)= 9.99998 VOLUME= 1 - PER SAMPLE						
2.	< 1.5	< 6.66E-07	*	12.	< 2.6	< 1.17E-06	
SAMPLE=92-386	DESCRIPTION: #4						
POS. = 7	LIVE TIME(MIN)= 9.99998 VOLUME= 1 - PER SAMPLE						
2.	< 1.5	< 6.67E-07	*	11.	< 2.6	< 1.17E-06	
SAMPLE=92-387	DESCRIPTION: #5						
POS. = 8	LIVE TIME(MIN)= 9.99998 VOLUME= 1 - PER SAMPLE						
3.	< 1.5	< 6.66E-07	*	7.	< 2.6	< 1.17E-06	
SAMPLE=92-388	DESCRIPTION: #6						
POS. = 9	LIVE TIME(MIN)= 9.99997 VOLUME= 1 - PER SAMPLE						
4.	< 2.0	< 8.83E-07	*	14.	< 3.3	< 1.48E-06	
SAMPLE=92-389	DESCRIPTION: #7						
POS. = 10	LIVE TIME(MIN)= 9.99996 VOLUME= 1 - PER SAMPLE						
5.	< 2.4	< 1.06E-06	*	11.	< 2.6	< 1.17E-06	
SAMPLE=92-390	DESCRIPTION: #8						
POS. = 11	LIVE TIME(MIN)= 9.99995 VOLUME= 1 - PER SAMPLE						
6.	< 2.9	< 1.31E-06	*	16.	< 3.9	< 1.77E-06	

```
-------:-------------:-----------------*-------:-------------:-------------
SAMPLE=92-391          DESCRIPTION: #9
POS.   = 12            LIVE TIME(MIN)= 9.99995  VOLUME= 1   - PER SAMPLE
     6.:<      2.9     :< 1.30E-06        *     24.:     3.7    3.8: 1.66E-06 1.7E-
-------:-------------:-----------------*-------:-------------:-------------
SAMPLE=92-392          DESCRIPTION: #10
POS.   = 13            LIVE TIME(MIN)= 9.99999  VOLUME= 1   - PER SAMPLE
     1.:<      1.5     :< 6.79E-07        *     25.:     4.1    3.8: 1.86E-06 1.7E-
-------:-------------:-----------------*-------:-------------:-------------
SAMPLE=92-393          DESCRIPTION: #11
POS.   = 14            LIVE TIME(MIN)= 9.99998  VOLUME= 1   - PER SAMPLE
     3.:<      1.5     :< 6.67E-07        *     14.:<     3.3     :< 1.50E-06
-------:-------------:-----------------*-------:-------------:-------------
SAMPLE=92-394          DESCRIPTION: #12
POS.   = 15            LIVE TIME(MIN)= 9.99999  VOLUME= 1   - PER SAMPLE
     1.:<      1.5     :< 6.68E-07        *      7.:<     2.6     :< 1.17E-06
-------:-------------:-----------------*-------:-------------:-------------
SAMPLE=92-395          DESCRIPTION: #13
POS.   = 16            LIVE TIME(MIN)= 9.99996  VOLUME= 1   - PER SAMPLE
     5.:<      2.4     :< 1.10E-06        *     12.:<     2.6     :< 1.17E-06
-------:-------------:-----------------*-------:-------------:-------------
SAMPLE=92-396          DESCRIPTION: #14
POS.   = 17            LIVE TIME(MIN)= 9.99999  VOLUME= 1   - PER SAMPLE
     1.:<      1.5     :< 6.71E-07        *     20.:<     5.5     :< 2.49E-06
-------:-------------:-----------------*-------:-------------:-------------
-----------------------------------------*-----------------------------------
*****************************************************************************
```

START TIME: 05/19/92 15:00:30

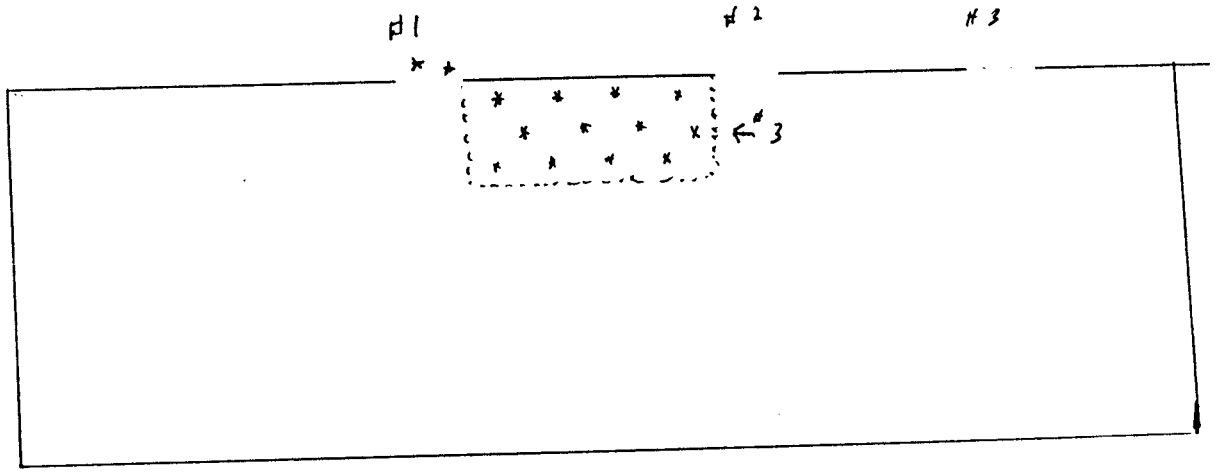
TITLE: COUNT OF SAMPLES FROM NAVAL WEAPONS SUPPORT CENTER, CRANE, IN.
WAREHOUSE #B2067(DOC.# 040-00341).

****

SAMPLE POSITION	SAMPLE ID.	LIVE TIME(MIN)	ALPHA	BETA	DATE	TIME	CYCLE	AC
1	PU-239	9.80463	23444	3284	05/19/92	15:11:12	1	YN
2	BACKGD	9.99998	3	12	05/19/92	15:22:26	1	YN
3	CS-137	9.99638	435	67174	05/19/92	15:33:40	1	YN
4	92-383	9.99999	1	7	05/19/92	15:44:55	1	YN
5	92-384	9.99998	3	18	05/19/92	15:56:09	1	YN
6	92-385	9.99998	2	12	05/19/92	16:07:23	1	YN
7	92-386	9.99998	2	11	05/19/92	16:18:38	1	YN
8	92-387	9.99998	3	7	05/19/92	16:29:51	1	YN
9	92-388	9.99997	4	14	05/19/92	16:41:05	1	YN
10	92-389	9.99996	5	11	05/19/92	16:52:19	1	YN
11	92-390	9.99995	6	16	05/19/92	17:03:34	1	YN
12	92-391	9.99995	6	24	05/19/92	17:14:48	1	YN
13	92-392	9.99999	1	25	05/19/92	17:26:02	1	YN
14	92-393	9.99998	3	14	05/19/92	17:37:16	1	YN
15	92-394	9.99999	1	7	05/19/92	17:48:30	1	YN
16	92-395	9.99996	5	12	05/19/92	17:59:45	1	YN
17	92-396	9.99999	1	20	05/19/92	18:11:00	1	YN

****

END TIME: 05/19/92 18:11:03



#1 - LOADING DOCK USED DURING DRUMS REMOVAL PROCEDURE

#2 AND #3 - LOCKED DOCKS DURING REMOVAL - THESE WERE LOADING DOCKS, ALSO

#3 - STORAGE AREA

* - WIPE SAMPLE AREAS - EACH AREA WIPE COVERED AT LEAST 500 Cm^2 THE FOUR NEAR THE WALL EXTENDED UP THE WALL, AND COVERED A LARGE AREA FOR EACH WIPE.

Δ - BACKGROUND READING AREAS

4 TO 20 MICRO R/HR