



DEPARTMENT OF THE ARMY  
HEADQUARTERS, US ARMY COMMUNICATIONS-ELECTRONICS COMMAND  
AND FORT MONMOUTH

FORT MONMOUTH, NEW JERSEY 07703-5000

REPLY TO  
ATTENTION OF

October 10, 1997

License No. 24-01022-14  
Docket No. 030-29741  
MLER-RI - 97-53

U.S. Nuclear Regulatory Commission  
Region I  
Division of Nuclear Materials Safety  
475 Allendale Road  
King of Prussia, PA 19406-1415

Attention: Mr. Richard Gibson  
Health Physicist  
Nuclear Materials Safety Branch 2

This refers to:

a. Telephone conversation, between Mr. Richard Fliszar, Picatinny Arsenal Installation Radiation Protection Officer (RPO) and Mr. Joseph Santarsiero, this command, 3 October 1997.

b. Initial electronic incident notification (Email), Mr. Richard Fliszar, Picatinny Arsenal Installation RPO and Mr. Andrew Kung Picatinny Arsenal Health Physicist, 3 October 1997.  
(encl 1)

c. U.S. Nuclear Regulatory Commission (NRC) License Number 29-01022-14, Docket Number 030-29741, issued to the U.S. Army Communications-Electronics Command (CECOM).

d. NRC License Number 12-00722-06, issued to the U.S. Army Armament and Chemical, Acquisition and Logistics Activity (ACALA).

e. Inventory Facsimile, Picatinny Arsenal, 6 October 1997 (encl 2).

f. Wipe Test Analysis, Picatinny Arsenal, 7 October 1997  
(encl 3).

g. NYARNG CSMS B Preliminary Incident Report Facsimile, 6 October 97, subject: CSMS B, DRMO Turn-in (encl 4).

h. NYARNG CSMS B Follow-up Report, 7 October 1997, subject: Report of Suspected Contamination (encl 5).

The following addresses incident information, and immediate and follow-up actions taken with respect to the receipt of devices/components containing radioactive material at Picatinny

9805080111 9771015  
REG1 LICSO  
29-01022-14

RETURN ORIGINAL TO  
REGION I

OCT 14 1997

Arsenal, New Jersey. These items were shipped from the New York Army National Guard (NYARNG) Combined Support Maintenance Shop (CSMS) B, Staten Island, New York.

Reference a and b provided telephonic/electronic notification of a shipment received by the Picatinny Arsenal Defense Reutilization and Marketing Office (DRMO). The package received contained electronic scrap material shipped from the NYARNG CSMS

The package also contained tritium devices (double bagged) and night vision components. The Picatinny Arsenal Radiation Protection Group (PARPG) took possession of the radioactive items to perform wipe test analysis, and provide secure storage pending disposal actions.

Reference c and d NRC licenses authorize the possession and use of thorium fluoride coated optics in night vision devices and tritium radioluminescent sources, respectively. The shipment received by the DRMO contained two night vision components (total of 4.9 microcuries of thorium-232) and nine components containing tritium (total of 19.55 curies of tritium gas) (encl 2).

The PARPG conducted wipe testing for tritium and thorium to assess potential contamination of the package, individual devices and the surrounding areas of the DRMO facility, i.e., the receiving bay. Bioassay samples were also taken from personnel involved at the DRMO. **Wipe test results indicate no radioactive material contamination levels above background** (encl 3). Bioassay results are not yet available, but will be provided when received.


As indicated in reference g, the radioactive commodities were mistakenly placed with the larger electronic scrap material. Immediate actions, as described, have been taken to prevent reoccurrence.

Reference h follow-up report details the incident, to include personnel involved, immediate and follow-on actions taken, inclusive of an on-site program review by the NYARNG State Radiation Protection Officer.

We will keep you apprised of any further information/action in this regard.

Our Point of Contact is Mr. Joseph M. Santarsiero or the undersigned, Facsimile on (732) 532-6403 or (732) 542-7161; Voice on (732) 427-4427/3112.

Sincerely,



Steven A. Horne  
Director, Safety  
Risk Management

5 Enclosures

CF:

Commander, U.S. Army Materiel Command, ATTN: AMCSF-P, 5001  
Eisenhower Avenue, Alexandria, VA 22333-0001

Chief, Army National Guard Bureau, Army National Guard Readiness  
Center, ATTN: NGB-AVN-SO (LTC H. Gant), 111 South George Mason  
Drive, Arlington, VA 22204-1383

Director, U.S. Army Armament and Chemical Acquisition Logistics  
Activity, ATTN: AMSTA-AC-SF (Mr. V. Vondera), Rock Island, IL  
61299-7630

Headquarters, New York Army National Guard, ATTN: ARAVN-OHN/M  
(SRPO), 330 Old Niskayuna Road, Latham, New York 12110-2224

Author: "Fliszar; Richard W." <rfliszar@pica.army.mil> at Internet\_Gateway  
Date: 10/3/97 11:35 AM  
Priority: Normal  
TO: Joseph Santarsiero at safel, "Mohs; Tim" <tmohs@ria-emh2.army.mil> at Internet\_Gateway  
CC: "Kung; Andrew" <akung@pica.army.mil> at Internet\_Gateway,  
"Moss; Richard L." <rmoss@pica.army.mil> at Internet\_Gateway,  
"Fabiano; Joseph A." <jfabiano@pica.army.mil> at Internet\_Gateway,  
"Pap; Geza M." <gpap@pica.army.mil> at Internet\_Gateway,  
"Elliott; James E." <jelliott@pica.army.mil> at Internet\_Gateway,  
"Perry; Oscar T." <perry@pica.army.mil> at Internet\_Gateway,  
"Vondera; Vernon" <vvondera@ria-emh2.army.mil> at Internet\_Gateway  
Subject: FW: Potential Radiological Contamination in Bldg 314E

Tim/Joe,

Per my phone call to each of you this morning the attached message reiterates in more detail what I have already informed you of. This in addition to the phone call should constitute formal notification of the incident involving apparently both tritium containing fielded commodities as well as that of a thorium-232 containing fielded item. It should be noted that the items in question, which were received by the DRMO facility, that is located on the grounds of Picatinny Arsenal ( Bldg. 314 ), were from a National Guard facility, that is located in New York. Since both of your offices apparently have license responsibility in this instance ( ACALA - tritium; CECOM - thorium-232 & National Guard involvement ) I will be forwarding to each of you later this morning a copy of the related paperwork that DRMO had regarding this shipment.

Should either of you wish to talk with someone from our office further call either Andy Kung ( DSN 880-3742 ), who had taken the call yesterday and investigated the matter, or myself ( DSN 880-3126 ). In addition, the following are the names and phone numbers of other key individuals involved in this matter, should you wish to contact them in doing your follow-on investigation:

Mr. Robert Gonzalez - DRMO , Bldg. 314, ARDEC - DSN 880-4747;

Sgt. Carol Angus - National Guard RPO - Staten Island, NY ,  
CSMS-B, (718) 442-1600.

From this end we will address any resulting contamination to Bldg. 314, and safely hold the items in storage until arrangements can be made for their pick up as radioactive waste.

Rich Fliszar  
ARDEC

Radiation Protection Officer

> -----  
> From: Kung, Andrew  
> Sent: Thursday, October 02, 1997 5:50 PM  
> To: Sterling, Marilyn; Gonzalez, Robert  
> Cc: Kung, Andrew; Moss, Richard L.; Elliott, James E.; Fliszar,  
> Richard W.; Pap, Geza M.; Krieg, Steven; Lane, Donald R.; Perry, Oscar  
> T.  
> Subject: Potential Radiological Contamination in Bldg 314E  
>

1 of 3  
Encl 1

> To: Defense Reutilization and Marketing Office  
> (Ms. Marilyn Sterling)  
> (Mr. Robert Gonzalez)  
>  
>

> On 2 Oct 97, around 1430 hours, the Radiation Protection  
> Office received  
> a telephone call from Mr. Robert Gonzalez of the Defense Reutilization  
> and  
> Marketing Office (DRMO) located at building 314. Mr. Gonzalez stated  
> that  
> he discovered various radioactive items while going through a large  
> box of  
> electronic scrap that was turned in to DRMO several days ago by a  
> representative from the NY Army National Guard.  
>

> When the undersigned showed up at DRMO to perform a  
> contamination survey, the items in question appeared to be tritium  
> level vials taken from a M64 mortar sight, M137 elbow telescopes  
> w/tritium, coarse elevation scales  
> from the M64 sight w/ an exposed tritium lamp, and AN/PVS-5 Night  
> Vision EyePieces and tube bodies w/ thorium-232 coated lenses.  
> However, the disturbing thing about this was that a few of the tritium  
> level vials were  
> already double-bagged in plastic zip-lock bags with hand-written notes  
> saying that the glass was cracked and that the illumination was low.  
> In addition,  
> these items were haphazardly packed by the NY Army National Guard.  
>

> However, before a comprehensive survey could be done of all  
> the items,  
> Mr. Gonzalez, Mr. Krieg, and the rest of the work crew had to leave  
> for the rest of the day and the warehouse (Bldg 314 E) had to be  
> locked up. The undersigned agreed, but not before the following steps  
> were taken:  
>

> a. One-liter bioassay bottles were provided to the individuals that  
> had come into physical contact with the radioactive items. These  
> individuals were told to submit a 24-hour urine sample, so that it  
> could be sent to APG for tritium analysis.  
>

> b. Several swipes were quickly taken of the pallet and immediate  
> floor where these radioactive items were located and brought back to  
> our lab for analysis.  
>

> c. The radioactive items were confiscated by the undersigned and Mr.  
> Richard Moss and brought back to the Radiation Protection Office for a  
> detailed contamination survey and secured storage until disposed of.  
>

> Until this office determines the radiological contamination  
> status of the confiscated items, Bldg 314 E shall not be used. The  
> building is to remain  
> locked up until further instruction. This safety measure is necessary  
> to  
> preclude any possible tritium cross contamination and uptake to  
> personnel.  
>

> In the interim, Mr. Gonzalez has told the undersigned that he  
> will  
> find out who in the NY Army National Guard is responsible for this  
> shipment.

2 of 3  
ENC 1

The POC for this action is the undersigned, ext 4-3742.

3 of 3  
Enc 1

TABLE 279

## INVENTORY OF 48 ITEMS CONFISCATED FROM DRMO, BLDG. 314

#	LS C #	GFP C #	DESCRIPTION	MARKI NGS	ACTIVIT Y	REMARKS
1	22	-	Light Aiming Post	M59	9.0Ci H-3	1290-00-169-1935 A92767 9-83
2	23	-	Telescope Elbow NRC License Number BML 12-00722-06		1.6Ci H-3	1240-01-211-3608 D90901 7-80
3	24	-	Vial Unserviceable <b>NO ILLUMINATION</b>	Damag ed	0.05Ci H-3	1240-01-057-0112
4	25	-	Fire Control Vial Unserviceable GLOWING	No Damag e	0.05Ci H-3	1240-01-057-0112
5	26	-	Fire Control Vial <b>NO ILLUMINATION</b>	No Damag e	0.05Ci H-3	1240-01-057-0112
6	27	-	Dial Scale <b>Index NOT IN BAG</b>	No Damag e	1.2Ci 0.03Ci H-3	5355-01-343-1793 Hand Written on Slip
7	28	-	Holder Meter Fire Control Level Vial <b>NO ILLUMINATION</b>		0.05Ci EST. H-3	6625-00-125-0414 1240-057-0112
8	29	1	Image Intensifier Paper Bag/Box	LL4A	Not Radioact ive	94336 JO# 505494 Old SN 77546
9	30	2	Image Intensifier		Not Radioact ive	5855-01-034- 3845001008 JO#408561 Old SN 267307
10	31	3	Intensifier, Unserv		Not Radioact ive	5855-01-378-3540 JO# A501282
11	32	4	Image Intensifier		Not Radioact ive	5855-01-034-3845 A601799 72675 SN 37903
12	33	5	Image Intensifier Unserviceable		Not Radioact ive	5855-01-328-3540 SN 49810
13	34	6	Image Intensifier		Not Radioact ive	5855-01-328*3540 4/15/96 SN 49423
14	35	7	Image Intensifier Unserviceable		Not Radioact ive	5855-01-328-3540 MX 1828, SN 36926 448910 JO# A402318
15	36	8	Image Intensifier Unserviceable		Not Radioact ive	5855-01-334-3845 JO# A500098

16	37	9	Image Intensifier		Not Radioact ive	5855-01-034-3845 Cage 27777 MFR/PN 510-890-3328 MX Each 9916/UV DAAA B07-90-C- F101 SN 73073A and SN 267247 JO# J500131
17	38	69	Image Intensifier		Not Radioact ive	5855-01-328-3540 SN 49121 JO# A40231
18	39	70	Image Intensifier		Not Radioact ive	5855-01-034-3845 A601798
19	40	71	Image Intensifier		Not Radioact ive	5855-01-034-3845 SN 1279 JO#A303581, A500093
20	41	72	Intensifier		Not Radioact ive	5855-01-034-3845 SN 5333 JO 19500110 TI 73698A
21	42	73	Image Intensifier Unserviceable		Not Radioact ive	5855-00-138-2386 DAAB07-85-C-EO33 B/B 5-88 JO# A600492
22	43	74	Image Intensifier		Not Radioact ive	5855-01-228-0941 SN 006026LL8902 JO# AS02347 TI 23 Jan 96
23	44	75	Image Intensifier Night Vision		Not Radioact ive	SN 52386 MFR/PN A3187450
24	45	76	Image Intensifier Tube Array 25mm Type Unserviceable		4.89uCi Th 232	MX8501 A/07 JO#A3030400 CAUTION RADIOACTIVE LABEL
25	46	77	ANPUS 4 Intensifier Unserviceable		Not Radioact ive	31652 Air JO# A603070 DD-138-2386
26	47	78	Image Intensifier		Not Radioact ive	5855-01-034-3845 A601648 3718A 27 Jul 96
27	48	79	Image Intensifier Night Vision		Not Radioact ive	5855-01-328-3540 MX10130C/UV DAA07-90-C-F102 SN15165-7 SN Scratched off

28	49	80	Image Intensifier AN/PUS-4 AN/UVS-2		Not Radioact ive	5855-00-138-2386 FSCM 66868 MFR/PN 5103603300 MX9644U/V P/O AN/TCS-5 DAA807-85-C-E032 SN5600H Used On JO# A600524
29	50	81	Image Intensifier AN/PV5 Unserviceable		Not Radioact ive	5855-01-328-3540 A600836 SN38635
30	51	82	Image Intensifier		Not Radioact ive	5855-01-034-3845 SN 76208C ARI Jul 96 A601646
31	52	83	Image Intensifier		Not Radioact ive	5855-01-034-3845 SN 56316C JO# Z500817
32	53	84	Image Intensifier		Not Radioact ive	5855-01-034-3845 SN 56316C JO# A600703
33	54	85	Image Intensifier		Not Radioact ive	5855-01-034-3845 73061A DAAB07-90-C-F101
34	55	86	Image Intensifier Unserviceable		Not Radioact ive	5855-501-034-3845 JO# A601628
35	56	87	Intensifier ARI Unserviceable		Not Radioact ive	5855-01-034-3845 JO#A401784 Extract From 401756
36	57	88	Intensifier ARI Unserviceable Old Intensifier		Not Radioact ive	5855-01-034-3845 74143A JO#A500053
37	58	89	Image Intensifier Unserviceable TI		Not Radioact ive	5855-01-034-3845 SN 81714I JO# A500811
38	59	90	Image Intensifier Unserviceable TI		Not Radioact ive	5855-01-034-3845 739748 JO# A601145
39	60	91	Image Intensifier Unserviceable, TI		Not Radioact ive	5855-01-034-3845 SN 69055 JO# 500095
40	61	92	TUBE AND MAGNIFIER		Not Radioact ive	5855-01-027-1554 JO#A401714 SN 07573
41	62	93	OPTICAL IMAGER		3.7E2Bq	5855-01-129-9760 5855-01-030-8601

42	63	94	Image Intensifier Night Vision  LOOSE		Not Radioac tive	5855-01-034-3845 SN 78106 C8018 80063-sm-d-657- 310-2
43	64	95	Image Intensifier  LOOSE		Not Radioac tive	5855-01-034-3845 SN 78861C8019 80063-SM-D- 657310-2
44	65	96	Image Intensifier LOOSE w Caplugs		Not Radioac tive	5855-01-034-3845 78404 8019
45	66	97	Image Intensifier  .		Not Radioac tive	5855-01-310-25604 SN 714823 MX9916/UV Overhauled by SAAD
46	67	-	Light Aiming Post	M58	5.0Ci H-3	129000 169 1934 SN 83536 12/80
47	68	-	Elbow Telescope		1.6Ci	1240-01-211-3608 SN D91268 Cage 11934 PN 9360257 License No BML- 2100722-06 DAAA09-94-C-0535 A603022 11/95
48	69	-	Elbow Telescope NRC License Number BML 12-00722-06		1.6Ci	1240-01-211-3608 Cage 11934 PN 54405 01 89

U.S. Army TACOM  
Armament, Research, Development and Engineering Center  
QUALITY EVALUATION DIVISION  
RADIATION PROTECTION OFFICE  
Picatinny Arsenal, New Jersey 07806-5000

FAX PHONE NUMBER: DSN 880-7047

VOICE PHONE: 973-724-3742

## FAX COVER SHEET

## FROM:

NAME: JOSEPH A. FABIANO

OFFICE: AMSTA-AR-QAW-R, Bldg. 320

## TO:

NAME: FRANK PIAZZA, *Safety Engineer*

OFFICE: Safety Office, AMSEL-SF-RE, Fort Monmouth, NJ 07703-5024

VOICE PHONE: © 732-532-6443

DSN 987-3112 Extension 6443

FAX PHONE NUMBER: © 732-532-6403

DSN: 992-6403

Unclassified ~~10~~ MONTH ~~07~~ DAY ~~17~~ YEAR ~~99~~ TIME ~~11~~ # of Pages including header sheetREMARKS: *10 07 99 0845*

Frank,

For your coordination.

*Joseph A. Fabiano* 070897  
JOSEPH A. FABIANO  
HEALTH PHYSICIST  
RADIATION PROTECTION GROUP  
QUALITY ENGINEERING DIRECTORATE

1064

Encl 3

BATTERY DEAD MON OCT 06, 1997

GROUP C RESULTS FROM SAMPLES OF RADIOACTIVE MATERIAL CONTAINING ITEMS BROUGHT TO B312 BYMESSRS. KUNG AND MOSS ON 03 OCT 97.

SAMPLE SN CODE	TIME (MIN.)	ALPHA COUNTS	BETA COUNTS	ALPHA CPM	BETA CPM	TOD CLOCK HR:MN:SEC
99 DU,TH	5.00	13	39	0	0	09:18:19
100 DU,TH	5.00	2842	5874	565.00	1167.00	09:23:31
69 DU,TH	5.00	17	42	0.00	0.60	09:28:42
70 DU,TH	5.00	10	40	-0.60	0.20	09:33:54
71 DU,TH	5.00	9	45	-0.80	1.20	09:39:05
72 DU,TH	5.00	10	25	-0.60	-2.80	09:44:17
73 DU,TH	5.00	12	37	-0.20	-0.40	09:49:29
74 DU,TH	5.00	11	30	-0.40	-1.80	09:54:40
75 DU,TH	5.00	8	21	-1.00	-3.60	09:59:52
76 DU,TH	5.00	6	34	-1.40	-1.00	10:05:03
77 DU,TH	5.00	5	20	-1.60	-3.80	10:10:15
78 DU,TH	5.00	11	21	-0.40	-3.60	10:15:26
79 DU,TH	5.00	7	28	-1.20	-2.20	10:20:38
80 DU,TH	5.00	8	29	-1.00	-2.00	10:25:49
81 DU,TH	5.00	7	14	-1.20	-5.00	10:31:01
82 DU,TH	5.00	6	14	-1.40	-5.00	10:36:12
83 DU,TH	5.00	17	27	0.80	-2.40	10:41:24
84 DU,TH	5.00	8	21	-1.00	-3.60	10:46:35
85 DU,TH	5.00	8	20	-1.00	-3.80	10:51:46
86 DU,TH	5.00	9	23	-0.80	-3.20	10:56:58
87 DU,TH	5.00	12	28	-0.20	-2.20	11:02:09
88 DU,TH	5.00	7	40	-1.20	0.20	11:07:21
89 DU,TH	5.00	6	33	-1.40	-1.20	11:12:32
90 DU,TH	5.00	8	23	-2.60	-3.20	11:17:44
91 DU,TH	5.00	5	19	-1.60	-4.00	11:22:55
92 DU,TH	5.00	6	17	-1.40	-4.40	11:28:06
93 DU,TH	5.00	13	30	0	-1.80	11:33:18
94 DU,TH	5.00	5	26	-1.60	-2.60	11:38:29
95 DU,TH	5.00	8	16	-1.00	-4.60	11:43:41
96 DU,TH	5.00	8	27	-1.00	-2.40	11:48:52
97 DU,TH	5.00	6	17	-1.40	-4.40	11:54:04
1 DU,TH	5.00	9	29	-0.80	-2.00	11:59:15
2 DU,TH	5.00	7	24	-1.20	-3.00	12:04:27
3 DU,TH	5.00	7	18	-1.20	-4.20	12:09:38
4 DU,TH	5.00	8	30	-1.00	-1.80	12:14:50
5 DU,TH	5.00	6	15	-1.40	-4.80	12:20:01
6 DU,TH	5.00	5	25	-1.60	-2.80	12:25:12
7 DU,TH	5.00	7	25	-1.20	-2.80	12:30:24
8 DU,TH	5.00	3	13	-2.00	-5.20	12:35:35
9 DU,TH	5.00	3	32	-2.00	-1.40	12:40:47

204  
Encl 3

PAGE:

ID: JOS. A. FABIANO

3 OCT 1997 J

USER: 1 COMMENT: SURVEY OF CONFISCATED ITEMS

PRESET TIME : 5.00  
 DATA CALC : SL DPM H# : YES SAMPLE REPEATS: 1 PRINTER :  
 COUNT BLANK : YES IC# : NO REPLICATES : 1 RS232 :  
 TWO PHASE : NO ADC : NO CYCLE REPEATS : 1 DISK :  
 SCINTILLATOR: LIQUID LUMEX: YES LOW SAMPLE REJ: 0  
 LOW LEVEL : NO HALF LIFE CORRECTION DATE: none

ISOTOPE 1: 3H %ERROR: 0.00 FACTOR: 1.000000 BKG. SUB: 0

BACKGROUND QUENCH CURVE: Off COLOR QUENCH CORRECTION: On

Quench Limits Low: 16.459 High: 327.27

SAM NO	POS	TIME MIN	H#	CPM	3H %ERROR	3H DPM	3H EFF-1	LUMEX %	ELAPSED TIME
B1	** -1	5.00	173.1	20.60	22.65	70.90	29.05	10.35	5.65
		Blank Average		DPM for	3H		70.90 COEF. OF VAR		0.0
22	** -3	5.00	143.1	20.20	23.77	-15.67	36.57	12.22	11.41
13	** -4	5.00	162.1	15.40	27.87	-22.38	31.74	13.05	17.16
24	** -5	5.00	163.0	23.20	21.33	2.75	31.50	10.31	22.91
25	** -6	5.00	160.8	19.60	24.33	-9.75	32.05	13.14	28.66
26	** -7	5.00	159.5	16.00	29.17	-21.50	32.39	15.94	34.43
27	** -8	5.00	151.6	23.00	22.55	-3.99	34.37	14.77	40.20
28	** -9	5.00	155.7	21.00	23.73	-7.93	33.35	12.91	45.96
29	** -10	5.00	162.6	22.60	23.29	0.58	31.61	16.67	51.74
30	** -11	5.00	160.9	18.20	27.56	-14.08	32.03	19.88	57.53
31	** -12	5.00	171.7	20.40	26.48	-1.46	29.37	22.24	63.32
32	** -1	5.00	158.1	16.80	27.16	-19.56	32.72	14.46	69.19
33	** -2	5.00	167.3	20.80	26.67	-2.60	30.45	22.86	75.00
34	** -3	5.00	170.1	23.60	23.99	8.35	29.78	21.35	80.81
35	** -4	5.00	178.4	20.80	25.75	3.98	27.78	19.69	86.61
36	** -5	5.00	173.3	23.60	23.81	10.45	29.01	18.15	92.41
37	** -6	5.00	172.3	18.60	26.53	-7.30	29.25	16.77	98.19
38	** -7	5.00	172.8	20.00	29.29	-2.23	29.12	26.76	104.02
39	** -8	5.00	174.1	20.60	28.04	0.60	28.81	25.76	109.85
40	** -9	5.00	184.7	19.40	27.06	2.77	26.33	21.12	115.64
41	** -10	5.00	172.8	19.20	25.87	-4.95	29.11	18.23	121.42
42	** -11	5.00	176.4	16.80	28.79	-11.44	28.25	18.81	127.20
43	** -12	5.00	168.7	17.40	29.01	-13.12	30.11	19.71	133.00
44	** -1	5.00	174.2	15.60	32.16	-16.71	28.78	21.91	138.89
45	** -2	5.00	178.8	23.40	23.27	13.58	27.70	19.16	144.68
46	** -3	5.00	159.1	19.40	26.10	-11.16	32.47	17.45	150.48
47	** -4	5.00	159.1	16.00	30.75	-21.63	32.47	20.17	156.27
48	** -5	5.00	156.7	19.80	27.13	-11.04	33.08	21.82	162.08
49	** -6	5.00	163.9	21.20	26.58	-3.16	31.30	23.05	167.89
50	** -7	5.00	169.5	25.20	22.58	13.34	29.92	20.80	173.69
51	** -8	5.00	169.5	20.40	25.20	-2.72	29.92	17.13	179.48
52	** -9	5.00	184.7	22.20	24.66	13.42	26.33	19.97	185.28
53	** -10	5.00	144.9	18.20	27.56	-20.51	36.11	18.68	191.08
54	** -11	5.00	155.9	22.00	24.95	-4.80	33.28	22.22	196.88
55	** -12	5.00	155.5	20.00	26.10	-11.01	33.39	21.47	202.67
56	** -1	5.00	148.0	20.20	25.45	-13.70	35.31	19.62	208.56
57	** -2	5.00	145.1	21.60	24.65	-11.02	36.07	19.20	214.35
58	** -3	5.00	160.4	18.00	28.57	-14.92	32.15	21.77	220.15
59	** -4	5.00	152.2	25.00	21.83	2.12	34.24	15.81	225.01

30F4 OK?

SAM NO	POS	TIME MIN	H#	CPM	<u>3H</u> %ERROR	3H DPM	3H EFF-1	LUMEX %	PAGE: ELAPSED TIME
6140	** -6	5.00	144.1	19.40	27.84	-17.48	36.31	23.77	237.52
6241	** -7	5.00	154.6	21.40	26.19	-7.26	33.62	23.89	243.34
6342	** -8	5.00	145.3	19.80	26.13	-15.92	36.01	21.38	249.12
6443	** -9	5.00	145.6	18.00	27.78	-20.81	35.94	20.01	254.90
6544	** -10	5.00	144.3	24.00	22.74	-4.75	36.28	19.69	260.67
6645	** -11	5.00	143.9	17.20	28.12	-23.61	36.37	17.57	266.45
6746	** -12	5.00	169.6	21.80	26.04	2.02	29.89	25.21	272.27
6847	** -1	5.00	141.3	22.60	23.70	-9.90	37.05	17.95	278.16
6948	** -2	5.00	145.2	20.80	24.34	-13.19	36.04	16.55	283.94

484  
trial 3

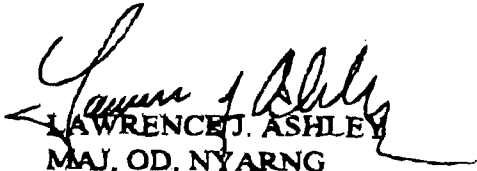
MNL-SM-TO

6 October 1997

**MEMORANDUM FOR RECORD**

**SUBJECT: CSMS B, DRMO Turn-in**

1. The procedure for turn-in of radioactive waste at CSMS B is outlined in the SOP which calls for the RPO determining the radioactive waste is properly bagged and prepared for shipment. The waste is then turned over to the supply supervisor for the actual turn-in to the SSA. The breakdown was that these particular items, although packed separately, were inadvertently intermingled with the electronics scrap by the supply supervisor.
2. The inventory consisted of misc. electronics scrap weighing 300lbs. As indicated on the DD Form 1348, there were: 12 ea computer monitors, 5 ea printers and 5 ea computer keyboards.
3. The following individuals were involved: SFC Carol Angus, Electronics Foreman and LRPO. SFC Angus was the originator of the request for turn-in through supply channels. SGT Federico Pinnock, Supply Supervisor. SGT Pinnock inadvertently placed the box of waste with the misc. electronics scrap. He had not prepared a DD Form 1348 for the radiological waste.
4. The following immediate actions are implemented to preclude future system failures:
  - a. The LPRO will handle all radioactive waste from discovery to disposal. He will personally prepare all necessary supply documentation and segregate and secure waste until properly disposed.
  - b. HQ NYARNG will conduct an on-site inspection at CSMS B and ensure the above change is established at each of the other 3 LRPO locations.
5. POC is CW5 Howard C. Haider, General Foreman, CSMS B, (718) 442-1600.

  
 LAWRENCE J. ASHLEY  
 MAJ, OD, NYARNG  
 Sr. Maintenance Manager

1 of 1  
 Encl 4.

DEPARTMENT OF THE ARMY  
COMBINED SUPPORT MAINTENANCE SHOP "B"  
NEW YORK ARMY NATIONAL GUARD  
60 Rinehart Avenue  
Statens Island, New York 10314-2518

ARL-SM-CSMR-B (385)

7 October 1997

MEMORANDUM THRU ~~Commander, HQ, NYARNG, ATTN: MNL-SM, 330 Old Niskayuna~~  
~~Road, Latham, NY 12110-2224~~

FOR ~~Commander, HQ, NYARNG, ATTN: MNAV-OS, 330 Old Niskayuna Road, Latham, NY~~  
~~12110-2224~~

SUBJECT: Report of Suspected Contamination

1. Attached report is from the CSMS B LRPO SFC Carol Angus. I have reviewed this report and concur with its content.
2. The CSMS "B" SOP covers the handling, packing and storage of unwanted radioactive material and other special waste items until "turn-in" to the appropriate area, either DRMO or USP&FO NY.
3. The reason that this supply related incident occurred was because the Supply Supervisor, SGT Pincock failed to follow the approved procedures for the "turn-in" and handling of radioactive items.
  - a. Items that fail the "wipe" test are stored in a separate building and are controlled by the CSMS B LRPO until disposed of.
  - b. All other items identified as special handling by the Recoverability Code (RC) and Special Control Item Code (SCIC) are turned into supply for "turn-in".
  - c. The supply Supervisor did not segregate and secure the items in (b) above and for this reason placed them in with scrap electronic parts.
4. A look at what went wrong brought about the below listed procedures.
  - a. The LRPO handling items that are Radioactive waste and fail the wipe test do not need to be changed. It works.
  - b. All other special handling items, other than hazardous radioactive waste, will be turned in to the supply section by the repairer. The item is then placed in a separate secure container and the item to be turned in within 10 working days of receipt by the supply section. The "turn-in" will be on either a DD Form 1348-1 or DA Form 2765 with only one NSN on each. The repairer will identify the item and tag it before he turns it into the supply section.

**ARL-SM-CSMS-B (385)**

**SUBJECT: Report of Suspected Contamination**

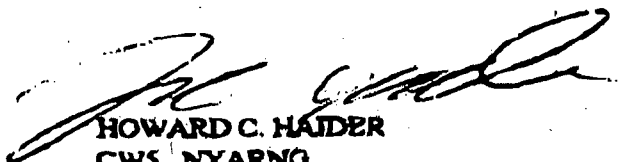
5. Follow up was done by the CSMS B LRPO, see enclosed memorandum.

6. The State Radiation Protection Officer (SRPO), was not notified because I felt that it was a supply problem and that no incident happened with-in New York State. The items that were shipped by mistake all passed the wipe test prior to being sent and passed again at Picatinny.

7. Of the 48 items identified by Picatinny 38 of them were to be turned into them anyway but were not identified as what they were.

8. The State Radiation Protection Officer (SRPO), Mr. D. Peter Leland, RN, COHN, conducted an on site program review and incident investigation on 8 October 1997. In addition, he has scheduled refresher training for the local radiation protection officer and the alternate local radiation protection officer. This training is scheduled to be conducted on 27 October 1997. All CSMS B full time support employees will receive a 1 hour block of instruction regarding the hazards and safe handling of radioactive materials during the FY 98 Safety and Occupational Health Awareness Training.

9. I believe that this supply problem could not have become a radiation incident, because our LRPO personnel had already properly processed and cleared for "run-in" the radioactive commodities.



HOWARD C. HAIDER  
CWS, NYARNO  
Shop Supervisor.

CF:  
CECOM-NGB-RCO  
LRPO  
File

244  
Encl 5

DEPARTMENT OF THE ARMY  
COMBINED SUPPORT MAINTENANCE SHOP "B"  
NEW YORK ARMY NATIONAL GUARD  
60 Slosson Avenue  
Staten Island, New York 10314-2518

CSMS-B (385-111)

7 October 1997

MEMORANDUM FOR Superintendent, Combined Support Maintenance Shop B, 60 Slosson Avenue, Staten Island NY 10314-2518

SUBJECT: Report of Suspected Contamination

1. On 25 September I, Carol E. Angus, CSMS B Electronic Supervisor informed Federico Pinnock, CSMS B Tool and Parts Attendant Supervisor, of my intentions to ship electronics scrap to Picatinny Arsenal. Departure date was set for Tuesday 2 OCT 97.
2. On 2 OCT 97, Pinnock assigned Clifford Strunkay, CSMS B Tools and Parts Attendant, the task of loading and transporting set items to Picatinny Arsenal. Strunkay completed his mission and returned to CSMS B with signed DD Form 1348-1's.
3. On 3 OCT 97, I received a call from Bob Gonzalez an employee of Picatinny Arsenal (Comm 201-724-4747) he stated that he found a box in with the electronics scrap which contained suspected hazardous material.. Mr. Gonzalez also stated that all employees that were came in contact with these items had to give Urine samples and be checked for possible radiation exposure. I asked for a point of contact (POC) in the Radiological Protection Office (RPO) office and was referred to Andy Kung (201-724-3742), who I immediately contacted. Mr. Kung informed me that he performed wipe tests of the suspected contaminated items but did not have the results because he had not received them from Communications Electronics Command (CECOM).
4. I immediately launched an internal investigation to determine whether or not the origin of the suspected contaminated items were from CSMS B. Pinnock informed me that he instructed Strunkay to load an additional box containing, what he believed to be electronics scrap. Later it was determined that this box also contained radiological material that should have been turned in to the Peakskill Warehouse.
5. About 1500 Hours 3 OCT 97, I received a telephonic call from Mr. Rich Lovell from Fort. Monmouth, CECOM (732-532-9723) he informed me that he had forwarded a report to Rock Island Arsenal warning them of a potential incident. Mr. Lovell recommended that I go to Picatinny Arsenal to recover the items. I asked if personnel would be at the Arsenal. he put me on hold and when he came back on the phone he advised me not to worry, that the problem had been contained. The items were all double bagged and less handling would be better. Mr. Lovell asked for an inventory of the items sent to Picatinny Arsenal, I was not able to give an inventory of the items sent as scrap. He also gave me a POC at Picatinny Arsenal Mr. Rich Slizar (201-724-3216).

3 of 4  
Encl 5



DEPARTMENT OF THE ARMY  
HEADQUARTERS, US ARMY COMMUNICATIONS-ELECTRONICS COMMAND  
AND FORT MONMOUTH  
FORT MONMOUTH, NEW JERSEY 07703-5000

License No. 29-01022-14  
Docket No. 030-29741  
MEER-RI - 97-53

REPLY TO  
ATTENTION OF

October 15, 1997

U.S. Nuclear Regulatory Commission, Region I  
Division of Nuclear Materials Safety, Branch 2  
Attention: Mr. Richard Gibson  
475 Allendale Road  
King of Prussia, PA 19406-1415

Dear Mr. Gibson,

In response to your request, the following information is provided.

Reference U.S. Army Communications-Electronics Command Memorandum, AMSEL-SF-RE, October 10, 1997, regarding suspected contamination at Picatinny Arsenal, as a result of receipt of devices/components containing radioactive material from the New York Army National Guard (NYARNG).

Enclosed is a memorandum from NYARNG Safety and Occupational Health Officer, October 14, 1997, subject: Report of Suspected Contamination - Radiation Safety Training, addressing corrective action taken as a result of the incident at Picatinny Arsenal. This memorandum outlines the proposed training for NYARNG personnel with respect to the handling of radioactive commodities. In addition more legible copies of the enclosure provided in our 10 October 1997 memorandum are provided.

As the Radiation Control Officer for the Army National Guard, we will ensure this training is conducted.

Our Point of Contact is Mr. Joseph M. Santarsiero or the undersigned, Facsimile on (732) 532-6403 or (732) 542-7161; Voice on (732) 427-4427/3112, extension 6427.

Sincerely,

*Steven A. Horne*

STEVEN A. HORNE  
Director, Safety  
Risk Management

Enclosure

IX30  
RETURN ORIGINAL TO  
REGION I

Copy Furnished:

Headquarters, New York Army National Guard, ATTN: ARAVN-OHN/M  
(SRPO), 330 Old Niskayuna Road, Latham, New York 12110-2224  
Commander, U.S. Army Materiel Command, ATTN: AMCSF-P, 5001  
Eisenhower Avenue, Alexandria, VA 22333-0001

9805080108 971015  
RECEIVED LIC38  
29-01022

OCT 20 1997