

**RESPONSE TO FREEDOM OF
INFORMATION ACT (FOIA) / PRIVACY
ACT (PA) REQUEST**

2006-0238

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RESPONSE
TYPE☐

FINAL

☒

PARTIAL

REQUESTER

Michele Driscoll

DATE

NOV - 3 2006

PART I. -- INFORMATION RELEASED

- ☐ No additional agency records subject to the request have been located.
- ☐ Requested records are available through another public distribution program. See Comments section.
- ☐ **APPENDICES**
Agency records subject to the request that are identified in the listed appendices are already available for public inspection and copying at the NRC Public Document Room.
- ☒ **APPENDICES**
** Agency records subject to the request that are identified in the listed appendices are being made available for public inspection and copying at the NRC Public Document Room.
- ☐ Enclosed is information on how you may obtain access to and the charges for copying records located at the NRC Public Document Room, 11555 Rockville Pike, Rockville, MD 20852-2738.
- ☒ **APPENDICES**
** Agency records subject to the request are enclosed.
- ☐ Records subject to the request that contain information originated by or of interest to another Federal agency have been referred to that agency (see comments section) for a disclosure determination and direct response to you.
- ☒ We are continuing to process your request.
- ☒ See Comments.

PART I.A -- FEES

AMOUNT *

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You will be billed by NRC for the amount listed.

☐

None. Minimum fee threshold not met.

☐

You will receive a refund for the amount listed.

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Fees waived.

* See comments
for details**PART I.B -- INFORMATION NOT LOCATED OR WITHHELD FROM DISCLOSURE**

- ☐ No agency records subject to the request have been located.
- ☐ Certain information in the requested records is being withheld from disclosure pursuant to the exemptions described in and for the reasons stated in Part II.
- ☐ This determination may be appealed within 30 days by writing to the FOIA/PA Officer, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001. Clearly state on the envelope and in the letter that it is a "FOIA/PA Appeal."

PART I.C COMMENTS (Use attached Comments continuation page if required)****The records that are identified on enclosed Appendices R through Y are enclosed.**

SIGNATURE - FREEDOM OF INFORMATION ACT AND PRIVACY ACT OFFICER

Russell A. Nichols

**APPENDIX R
RECORDS BEING RELEASED IN THEIR ENTIRETY**

License No. 29-01022-14

<u>NO.</u>	<u>DATE</u>	<u>DESCRIPTION/(PAGE COUNT)</u>
1.	06/08/1990	Informs of missing plutonium check source. Search conducted & neither source or prototype assembly located. (2 pages)
2.	12/02/1991	Informs of loss of four each MX/7338/PDR-27 radioactive test samples containing 5 mCi each of Krypton-85 gas. Three subj test samples were disposed of in dumpster in Germany on or about 910718. One was lost in VA. (2 pages)
3.	09/02/1992	Confirms telcon w/BJ Silber & J Kinneman re NRC License 29-01022-14. Kinneman advised about potential loss of control of RADIAC calibrator sets authorized under aforementioned license. (3 pages)
4.	02/25/1994	Informs of 940116 incident involving fire at bldg in Fort Gordon, GA. Cause of fire deemed suspicious & under formal investigation. No further actions will be taken unless directed by NRC. (5 pages)
5.	01/26/1996	Informs of 951227 MX-7338/PDR-27 radioactive test sample incident. (7 pages)
6.	04/29/1997	NMSS Region I LER re 971003 receipt of package containing radioactive matl when none expected. Event occurred at Picatinny Arsenal, NJ. Fort Monmouth & US Army, Rock Island involved. (1 page)
7.	10/10/1997	Addresses incident info & immediate & follow-up actions taken w/respect to receipt of devices/components containing radioactive matl at Picatinny Arsenal, NJ on 971003. (18 pages)
8.	10/15/1997	Submits info re suspected contamination at Picatinny Arsenal as result of receipt of devices/components containing radioactive matl from New York Army Natl Guard, per request. (10 pages)

**APPENDIX S
RECORDS BEING RELEASED IN THEIR ENTIRETY**

License No. 29-01022-11

<u>NO.</u>	<u>DATE</u>	<u>DESCRIPTION/(PAGE COUNT)</u>
1.	07/18/1979	Matl/Byproduct License 29-01022-11 for Army Communications & Electronics Readiness Command is amended per 790622 application. Amend 5 changes expiration date to 791130. (1 page)
2.	09/03/1981	Informs of lost radioactive matl (Radioactive Test Sample MX-7338/PDR-27R). No evidence of radiation exposure at this time. All test samples have been secured to radiac set cases w/rope & chain. (3 pages)
3.	07/22/1983	Informs of 830207 determination that MX-7338 test sample for AN/PDR-27(R) Radiac Set 638 containing 5 mCi Kr-85 was missing. Sample probably lost in early 1980. Noticing re securing test samples published. Withheld. (3 pages)
4.	08/10/1984	Submits rept of stolen radioactive test source MX-7338/PDR-27R containing 5 mCi Kr-85. Inventory performed on 840116 determined only one source missing. Incident immediately reported to military police. Withheld. (11 pages)
5.	08/20/1984	Region 1 LER re 840116 theft of 5 mCi Kr-85 test source. (1 page)
6.	02/21/1985	Informs of 850107 determination that MX-7338 test sample for AN/PDR-27 radiac set containing 5 mCi Kr-85 missing. Sample probably lost during field training exercise. Std operating procedure revised. Withheld. (3 pages)
7.	02/21/1985	Informs of missing MX-3338 test sample for AN/PDR-27 radioactive set containing 5 mCi Kr-85. Sample may have been lost during field training exercise. Revised std operating procedure. (3 pages)
8.	03/11/1985	Region 1 NMSS LER re loss of 1.96 mCi Kr-85 test source. Will review at next routine insp. (1 page)
9.	02/20/1986	Notifies that vehicle carrying radiac set, containing radioactive test sample of 2.62 mCi Kr-85, involved in accident on 860205 & fire resulted. All equipment destroyed. Area surveyed & no radiation found. Withheld. (3 pages)
10.	03/10/1986	Region I NMSS LER re 860212 lost krypton-85 test source. Region I will conduct insp. (1 page)
11.	06/12/1986	Confirms 860529 telcon re 860513 discovery of loss of radioactive test sample containing 5 mCi Kr-85. Sample probably lost during

transfer from Illinois Military Academy. Procedures for checking out radiac sets revised. (6 pages)

12. 07/15/1986 Region I NMSS LER re 860521 loss of Kr-85 check source event. Info entered in Region I log & outstanding items list. Region I will review at next routine insp. (1 page)
13. 01/20/1987 Informs of 861230 loss of 3 MX-7338/PDR-27 radioactive test samples each containing 5 mCi Kr-85. Investigations & physical search of unit areas failed to locate sources. Procedures for check out of radiac sets changed. Withheld. (3 pages)
14. 03/12/1987 Region I NMSS LER re 861230 event re loss of three Kr-85 test samples event. Info entered in Region I log & outstanding items list. Region I will review at next routine insp. (1 page)
15. 04/13/1987 Informs of 870314 loss of Radioactive Test Sample MX-7338/PDR-27() containing 5 mCi Kr-85, while conducting training exercises. Search failed to locate source. Std operating procedures revised. Withheld. (3 pages)
16. 09/14/1987 Advises that Dept of Army application re License 29-01022-11 voided. Application combined w/Control Number 106761 for License 29-01022-14. (1 page)

APPENDIX T
RECORDS BEING RELEASED IN THEIR ENTIRETY

License No. SNM-1900

<u>NO.</u>	<u>DATE</u>	<u>ACCESSION NUMBER</u>	<u>DESCRIPTION/(PAGE COUNT)</u>
1.	07/17/1985	8509250226	Informs of 850617 potential loss of AN/UDM-6 radiac calibrator set containing 23 micrograms Pu-239 in transit between Camp Carroll, Korea & Lexington, KY. Transport of future calibrators will be made by commercial air. Withheld. (2 pages)
2.	07/17/1985	9804030380	Informs of 850617 potential loss of AN-UDM-6 radiac calibrator set containing 23 micrograms Pu-239 in transit between Camp Carroll, Korea & Lexington, KY. Transport of future calibrators will be made by commercial air. (1 page)
3.	08/28/1985	9804030391	Region I NMSS LER re possible loss of PU-239 sealed source. Region I will conduct insp. (1 page)

**APPENDIX U
RECORDS BEING RELEASED IN THEIR ENTIRETY**

License No. SMB-1183

<u>NO.</u>	<u>DATE</u>	<u>DESCRIPTION/(PAGE COUNT)</u>
1.	05/07/1979	Source Matl License SMB-1183 for Army Electronics R&D Command, Fort Monmouth, NJ is amended in its entirety per 781026 application. Amend authorizes use of U & Th-232 for R&D, lab testing & instrument calibr. (2 pages)

APPENDIX V
RECORDS BEING RELEASED IN THEIR ENTIRETY

License No. 29-01022-08

<u>NO.</u>	<u>DATE</u>	<u>DESCRIPTION/(PAGE COUNT)</u>
1.	03/14/1979	IE Insp Findings & Licensee Ack dtd 790314 of License 29-01022-08. Insp findings: failure to post notice to workers. ref 10CFR19.11(b). (1 page)
2.	05/29/1979	Confirms 790518 notification of possible incident re AN/UDM-2 Radiac Calibrators. Under certain conditions, drawer could be entirely removed. Recall & mod underway. (2 pages)
3.	06/13/1979	Ack receipt of 790529 ltr re AN/uDM-2 Radiac Calibrator problems. (1 page)
4.	10/30/1979	Submits final rept as followup to 791016 telcon re film badge exposure. Request for criminal investigation initiated. Strict key control of storage area & control of wrist film badges undertaken. Supporting documentation encl. (12 pages)
5.	11/23/1979	Proprietary Region I NMSS LER re 790902 film badges only exposed to Sr-90/Y-90. Withheld. (2 pages)
6.	12/06/1979	Ack receipt of 791030 ltr forwarding final rept on overexposure of film badges. Matter reviewed by Region 2 791122 insp. (1 page)
7.	02/29/1980	Ack receipt of 800221 rept informing of defective sealed source identified by QA program. (1 page)
8.	04/11/1980	Responds to 800221 ltr & 800326 & 0403 telcons re notification of possible incident. Increased surveillance program revealed bulging/bloating sealed sources incorporated into cavity chamber. (5 pages)
9.	04/12/1980	Submits required rept per License 29-01022-08 re leaking source. Recall insp program for AN/UDM-2 radiac calibrator sets revealed 0.017 uCi removable contamination. Monitoring radiation work area & personnel revealed no contamination. (2 pages)
10.	05/13/1980	Ack receipt of 800414-15 ltrs forwarding interim repts re potential radiation hazard when bulging/bloating sealed sources protrude into cavity chamber. Repts will be reviewed during next insp. (1 page)
11.	06/25/1980	Provides final rept re discovery of 0-0083 mCi removable contamination for one source located in dosimeter well. Proper disposal of AN/UDM-2 Radiac Calibr Set Serial 473 planned. Will advise of results of recall/insp & recalibr. (1 page)
12.	07/14/1980	Ack receipt of 800625 ltr providing final rept of leaking source, as

- required by License Condition 13. (1 page)
13. 09/04/1980 Responds to NRC 800813 telcon re leakage of radioactive matl. Recall/insp program being performed. (1 page)
 14. 09/17/1980 Ack receipt of 800904 ltr informing NRC of steps taken to correct violations noted in IE insp of License 29-01022-08 on 800813. (1 page)
 15. 11/12/1980 Informs of meeting to be arranged between NRC & Army in order to discuss possible leakage of sources contained in AN/UDM-2 Radiac calibr. (2 pages)
 16. 12/22/1980 Submits rept per Condition 13.C of License 29-01022-08 re removable contamination on sealed source. AN/UDM-2 Radiac Calibrator Set 116 is being disposed of as radwaste. (1 page)
 17. 12/22/1980 Ack receipt of 801212 ltr re analysis of possible mfg defects associated w/sources contained in AN/UDM-2 Radiac calibr set. (1 page)
 18. 01/16/1981 Ack receipt of 801222 ltr submitting rept per Condition 13.C of License 29-01022-08 re removable contamination on sealed source. (1 page)

APPENDIX W
RECORDS BEING RELEASED IN THEIR ENTIRETY

License No. 08-01738-02

<u>NO.</u>	<u>DATE</u>	<u>DESCRIPTION/(PAGE COUNT)</u>
1.	01/19/1979	Discusses insp 30-1317/79-01, 30-6895/79-01, 30-125/79-01 & 30-6896/79-01 of License 08-1738-02,03,04 & 05. (2 pages)
2.	07/25/1979	Ack receipt of application for renewal of Matl / Byproduct License 08-01738-02. License will not expire until final action has been taken by NRC. (1 page)
3.	01/18/1980	Discusses IE insp of License 08-01738-02 on 791219-20 & forwards notice of violation. (2 pages)
4.	01/18/1980	Notice of violation from insp on 791219-20. Noncompliance noted: failure to perform surveys on incoming packages 790109-1212. (1 page)
5.	02/22/1980	Responds to NRC 800118 ltr re violation noted in IE insp of License 08-01738-02 on 791219-20. Corrective actions: personnel receiving incoming packages of licensed matls have been instructed in survey techniques & recording procedures. (2 pages)
6.	03/03/1980	Ack receipt of 800222 ltr informing NRC of steps taken to correct violation noted in IE insp of License 08-01738-02 on 791219-20. (1 page)
7.	04/22/1980	Discusses IE insp of License 08-01738-02 on 800325-26 & forwards notice of violation. (2 pages)
8.	04/22/1980	Notice of violation from insp on 800325-26. Noncompliance noted: iodination involving I-125 was performed w/o review & approval of health physics section or Walter Reed Army Medical Ctr radioisotope committee. (1 page)
9.	05/16/1980	Responds to items of noncompliance noted in IE insp of License 08-01738-02. Corrective actions: nuclear medicine svc has been directed to cease iodination procedures until authorization is amended to permit procedure in area. (2 pages)
10.	06/27/1980	Responds to NRC 800422 ltr re violations noted in IE insp of License 08-01738-02 on 800325-26. Corrective actions: one fume hood removed from svc for use w/radioactive matl. (2 pages)
11.	07/31/1980	Ack receipt of 800627 ltr informing NRC of steps taken to correct violations noted in IE insp of License 08-01738-02 on 800325-26. (1 page)
12.	09/19/1980	Forwards IE Insp Rept 30-01317/80-02 on 800826 of activities under License 08-01738-02. No noncompliance noted. (2 pages)

13. 09/19/1980 IE Insp Rept 30-01317/80-02 on 800826. No noncompliance noted. Major areas inspected: review of reception of package containing 141 mCi I-131 from Mallinckrodt / Nuclear, Inc, which arrived w/o DOT labels. (3 pages)
14. 01/06/1982 Informs of 811026 misadministration of radiopharm. Patient injected w/20 mCi TcMDP bone agent by mistake. Caused by confusion of one patients first name being same as second patients last name. Procedures reviewed w/technician. (3 pages)
15. 07/07/1982 Informs of 820419 misadministration of radiopharm. Patient injected w/Tc-99m DTPA renal dose instead of Tc-99m sulfur colloid liver dose. Caused by failure of technologist to identify proper dose for patient. (2 pages)
16. 10/04/1982 Informs of 820907 misadministration of radiopharm. Patient injected w/20 mCi Tc MDP bone agent instead of Tc GLUC for brain scan. Caused by human error in drawing dose from wrong vial. Flow study completed satisfactorily. (2 pages)
17. 10/04/1985 Informs of 850905 misadministration of radiopharm. Patient injected w/10 mCi 99m Tc04 for thyroid scintigraphy w/o signed prescription. Caused by personnel error. Clinic policy for patient identification reiterated. (2 pages)
18. 06/23/1986 Informs of 860605 misadministration of radiopharm. Patient injected w/20 mCi Tc-99m MDP for bone scan after receiving 5 mCi Tc-99m sulfur colloid for liver/spleen scan. Caused by technician error. Patient responded to wrong name. (3 pages)
19. 01/29/1987 Informs of 870101 misadministration of radiopharm. Patient administered 4 mCi of TcDISHIDA instead of TcMAA during ventilation/perfusion scan. Caused by technician being distracted. Technician counseled. (3 pages)
20. 07/26/1991 Informs of 910715 misadministration of radiopharm. Patient given 25.9 mCi Tc-04 for MUGA study instead of 1 mCi TI-201 CI for resting phase cardiac study. Wrong patient & syringe were selected. Personnel reinstructed. (3 pages)
21. 07/31/1991 Informs of 910722 misadministration of radiopharm. Three patients given 20 mCi Tc-04 for thyroid uptake instead of 20 mCi Tc-MDP for bone scan. Caused by improper supervision of student technologist. New procedures implemented. (3 pages)
22. 02/03/1994 Informs of 940203 event involving Mo-99/Tc-99m technelium generator w/excessive radiation levels. Caused by contaminated liquid on top, exterior of generator. Further tests being done. (3 pages)
23. 11/01/1995¹⁹⁹⁵ Informs of 951020 misadministration of radiopharm. Patient administered 29.9 mCi dose of I-131 through incorrect tube. Physician users will be informed of problem & absolute need to

- insure that dose injected in correct tube. (3 pages)
24. 06/26/1997 Informs of 970609 inventory discrepancy of I-125 brachytherapy seed. Completed three more inventories & surveyed all personnel, equipment, packaging & room for missing I-125 seed. Licensee believes only 119 seeds shipped. (4 pages)
25. 09/05/1997 Region I NMSS LER re 970609 loss of one I-125 seed. Region I will enter info into log & will review at next routine insp. (1 page)

**APPENDIX X
RECORDS BEING RELEASED IN THEIR ENTIRETY**

License No. 08-01738-03

<u>NO.</u>	<u>DATE</u>	<u>DESCRIPTION/(PAGE COUNT)</u>
1.	08/04/1960	U.S. Atomic Energy Commission Byproduct Material Licencee No. 8-1738-3 (3 pages)
2.	03/13/1961	U.S. Atomic Energy Commission Byproduct Material Licencee No. 8-1738-3, Amendment 1 (3 pages)
3.	06/12/1961	U.S. Atomic Energy Commission Byproduct Material Licencee No. 8-1738-3, Amendment 2 (1 page)
4.	08/18/1961	U.S. Atomic Energy Commission Byproduct Material Licencee No. 8-1738-3, Amendment 3 (1 page)
5.	12/06/1963	U.S. Atomic Energy Commission Byproduct Material Licencee No. 8-1738-3, Amendment 4 (1 page)
6.	06/15/1965	U.S. Atomic Energy Commission Byproduct Material Licencee No. 8-1738-3, Amendment 5 (2 pages)
7.	07/22/1965	U.S. Atomic Energy Commission Byproduct Material Licencee No. 8-1738-3, Amendment 6 (1 page)
8.	02/18/1966	U.S. Atomic Energy Commission Byproduct Material Licencee No. 8-1738-3, Amendment 7 (1 page)
9.	12/16/1966	U.S. Atomic Energy Commission Byproduct Material Licencee No. 8-1738-3, Amendment 8 (1 page)
10.	04/10/1970	U.S. Atomic Energy Commission Byproduct Material Licencee No. 8-1738-3, Amendment 9 (1 page)
11.	08/12/1970	U.S. Atomic Energy Commission Byproduct Material Licencee No. 8-1738-3, Amendment 10 (3 pages)
12.	08/02/1972	U.S. Atomic Energy Commission Byproduct Material Licencee No. 8-1738-3, Amendment 11 (1 page)
13.	02/23/1973	U.S. Atomic Energy Commission Byproduct Material Licencee No. 8-1738-3, Amendment 12 (1 page)
14.	10/17/1975	U.S. Atomic Energy Commission Byproduct Material Licencee No. 8-1738-3, Amendment 13 (3 pages)
15.	07/20/1979	U.S. Atomic Energy Commission Byproduct Material Licencee No. 8-1738-3, Amendment 14 (2 pages)
16.	07/06/1980	Ltr from L. Tremper of USAEC to B. Mitemeyer of Department of the Army, regarding License Renewal Application (1 page)

17. 07/18/1980 Ltr from P. Mumma of Department of the Army to USNRC, regarding Renewal of US Nuclear Regulatory Commission License No. 08-01738-03 (1 page)
18. 08/18/1980 Conversation Record between D. Stevenson of Walter Reed Army Medical and G. Kligfield of USNRC, regarding 08-01738-03 (1 page)
19. 09/08/1980 USNRC Materials Licensee No. 8-1738-3, Amendment 15 (3 pages)
20. 10/07/1980 IE Insp Findings & Licensee Ack dtd 801007 of License 08-01738-03. Insp findings: record of leak tests not maintained per license. (1 page)
21. 10/20/1980 Inspection Report No. 80-01, License No. 08-01738-03 (7 pages)
22. 08/15/1984 Inspection Report No. 84-01, License No. 08-01738-03 (12 pages)
23. 06/25/1986 Inspection Report No. 86-01, License No. 08-01738-03 (10 pages)
24. 06/09/1995 Inspection Report No. 030-06895 / 95-001, License No. 08-01738-03 (18 pages)
25. 04/08/1996 Ltr from D. Cool of USNRC to W. Johnson of Department of the Army, regarding One-Time Extension of License Expiration Date, License No. 08-01738-03 (1 page)

**APPENDIX Y
RECORDS BEING RELEASED IN THEIR ENTIRETY**

License No. 29-01022-06

<u>NO.</u>	<u>DATE</u>	<u>DESCRIPTION/(PAGE COUNT)</u>
1.	No date	Advises that 2 mCi Ni-63 metal foil used in chromatograph lost. Caused by property mixup. Radioactive source was one of two separate parts of gas chromatograph. Source was not identified when chromatograph switched labs. (2 pages)
2.	10/21/1980	Ack receipt of interim rept re missing N-63 source. (1 page)
3.	11/03/1980	Informs that 2 mCi Ni-63 source reported missing on 800929 has been found. Equipment containing Ni-63 had been turned in as scrap. Component containing radioactive source had not been sold & was undamaged. (1 page)
4.	11/11/1980	Advises of missing source of 2 mCi N-63 metal foil, per 10CFR20.402. Loss occurred as result of property mixup. (2 pages)
5.	12/04/1980	Responds to 801103 ltr re recovery of missing Ni-163 source. Matter scheduled for review during next insp. (1 page)
6.	03/30/1983	Details & updates 830322 discovery of low level Co-60 radioactive contamination. Contaminated area roped off & warning signs posted. ERADCOM charged w/reporting & cleanup in conjunction w/ARRCOM on behalf of US army. Withheld. (2 pages)
7.	09/24/1986	Discusses 860912 telcon re possession by city of NY Police Dept of container bearing external radiation markings & US Army Electronics Command identification. Requests State of New York Dept of Labor to formally investigate incident. (3 pages)