

FORM TI-1 CASE RESOLUTION

Case Status as of 12/18/2001

Open

Closed

RCODE: 2761

Region: IV

OLD - Complete Name, Address, Contact, Phone Number:

Brinderson Corporation
 Perimeter Road & Avenue M
 Great Falls, Montana 59406
 William Hammel

NEW - Complete Name, Address, Contact, Phone Number:

Unknown / Not Applicable

Agreement State Licensee? (Double Check)

N/A

Yes

No

Moved to an Agreement State?

N/A

Yes

No

Describe Follow-up: (Telephone, Internet, Chamber of Commerce, Other)

According to Terry Thilders, Resident Engineer with the Army Corps of Engineers, Brinderson was a contractor that constructed a heat plant and distribution system on Malmstrom Air Force Base.

Capt. David Pugh, USAF, Radiation Protection Division, provided additional documentation which indicated that the USAF had a permit (MT-30266-01/01AFP) for the device at Malmstrom AFB. Records indicate that the device was disposed of via Allied Tech. Group and sent to Richland, Washington in October 1997. Being as the plant was no longer in possession of the device, the permit was terminated in December 1997.

Describe Communication with Registration Vendor:

Ralph Heyer, Corporate RSO for Thermo MeasureTech, sent documentation indicating that the device was sold to Niro Atomizer, Inc. but its user was Brinderson Corporation at Malmstrom AFB. Records from Thermo Measure tech also indicated that the project was turned over to Malmstrom AFB likely around 1989.

Vendor Follow-up Action:

none

Final Action Taken:

Update RIV database, notify NRC GL Manager

Cause of Bad Address/Lesson Learned:

The address is located on Malmstrom Air Force Base.

FORM TI-2 DEVICE INFORMATION

RCODE: 2761								
ID	Model Number ¹	Serial Number	Isotope	Activity	Sold Date	Vendor	Status (A ² or N ³)	Comments
1	5201	Serial #: B94 Source #: AA-0013	Cs-137	100 mCi	04/25/1984	Thermo MeasureTech	A	Gauge was properly disposed of October 1997.
For additional GLD's received by the licensee identified during the inspection:								
ID	Model Number	Serial Number	Isotope	Activity	Sold Date	Vendor	How obtained	Comments

¹Include only registerable gauges identified by Headquarters as "open" cases.

²Accounted for: A device is accounted for if (1) the device is located at the licensee's facility, (2) it has been verified that the device has been transferred to an authorized recipient or properly disposed, or (3) a reasonable assurance has been provided that the device has been transferred to an authorize recipient or properly disposed.

³Not Accounted for: A device is not accounted for if the location of the device is unknown and/or the licensee cannot provide a reasonable assurance that the device has been transferred to an authorized recipient for proper disposal.

FORM TI-3 GENERAL LICENSEE INSPECTION DOCUMENTATION

RCODE: 2761

General Licensee Information:

Check Box if Current Complete Name, Mailing Address, Contact, and Phone Number is Same as Provided by ORNL. If not, include correct information below:

Unknown / Not Applicable

Results of inspection: (check the appropriate boxes)

The general licensee of record is located at the address of record and

all GLD are accounted for

not all GLD are accounted for

The general licensee of record is not located at the address of record, however GLD are being used under new ownership at the address of record and

all GLD are accounted for

not all GLD are accounted for

The general licensee of record is not located at the address of record, however they are using GLD at another location and

all GLD are accounted for

not all GLD are accounted for;

Neither the general licensee of record nor the facility operated by the general licensee are located at the address of record and the site has been abandoned or is being used for an alternate purpose.

Other: (explain) Brinderson Corporation not inspected. GL device has been properly disposed.

Gauge Information:

ID For each gauge for which status is unaccounted for (see last column of Form TI-2), provide any conclusions about location of the gauge:

Inspectors : Anthony D. Gaines, Health Physicist, Nuclear Materials Licensing Branch, RIV
 Janine F. Katanic, Health Physicist, Nuclear Materials Inspection Branch, RIV

Approved by: Mark R. Shaffer, Chief, Nuclear Materials Inspection Branch, RIV

Thermo MeasureTech

TO: Ms. Janine Katanic
T: 817.860.8151
F: 817.860.8188

FROM: Ralph S. Heyer
Corporate Radiation Safety Officer
and Manager of Technical Services
2555 N. IH 35
Round Rock, Texas 78664
T: 512.388.9287
F: 512.388.9287
E: rheyer@thermoMT.com

DATE: December 4, 2001

SUBJECT: ADDRESSES (6 PAGES)

Here is the information you requested.

See attached for Malmstrom Air Force Base.

Sincerely,



LICENSE PACK REQUEST

Customer No: 2281 C#: 500702 PO#: 18032-2

Date Req: 01/31/84 Date Rel: 02/03/84 Lic#: GL 6-1105

Quantity: 1 Activity: 100 mCi Source: Cs-137 Source Holder:

Quantity: Activity: Source: Source Holder:

Quantity: Activity: Source: Source Holder:

Quantity: Activity: Source: Source Holder:

USER: BRINDERSON CORPORATION INTERMEDIATE PERSON: SHIP TO: SAME AS US

Perimeter Road & Ave. M
Malmstrom Air Force Base

Great Falls, MT 59406

ATTN: Relationship: ATTN: ATTN:

SOLD TO: Niro Atomizer, Inc.

SPECIAL INSTRUCTIONS: G L Packet

License Pack Mailed: 00/00/00 License Applied For: 00/00/00 BW:

STATUS COMMENTS: Walt Conklin - Buyer (301)997-6688
Brinderson Project Manager (406)727-6050

Date: 04/25/84 Jurisdiction: NRC

201

MAIL TO:

Brinderson Corporation

P.O. Box 6129

Great Falls, MT 59406

ATTN: William G. Hammel

PLW:

MR: X



August 22, 1989

Mr. W.R. Richardson
Malmstrom Air Force Base
3101 1st Avenue North
Great Falls, MT 59402

Dear Mr. Richardson:

Enclosed are copies of the survey and leak test certificate for your Texas Nuclear Model 5201 source head. General license regulations have also been included for your use.

Brinderson Corporation should write a letter to the United States Nuclear Regulatory Commission at the address below. They should state that the device was originally shipped to them under a general license, however, the project was turned over to Malmstrom AFB. A request to have the name changed should be noted.

U.S. Nuclear Regulatory Commission
Region IV
Material Radiation Protection Section
611 Ryan Plaza Drive
Suite 1000
Arlington, Texas 76011

If you have any questions, please give me a call.

Sincerely,

TEXAS NUCLEAR CORPORATION

Doris C. Bryan

Doris C. Bryan
Manager
Environmental Services

DCB:ja

Enclosures

Aug 22, 1989

Page :

2281 MALMSTROM AIR FORCE BASE
Great Falls, MT

MODEL	SERIAL #	ISOTOPE	ACTIVITY	SOURCE #	SHIP DATE
5201	B94	Cs-137	100 mCi	AA-0013	04/25/84

AFMOA/SGZR
110 Luke Avenue, Room 405
Bolling AFB, DC 20332-7050

AFMOA/SGZR

TEL: (202) 767-4313 DSN: 297-4313

FAX: (202) 404-8089 DSN: 754-8089

DEC 17 2001

Fax

To:	MR. GAINES	From:	CAPT DAVID PUGH
Fax:	817-860-8263	Pages:	7
Phone:		Date:	17 DEC 01
Re:		CC:	

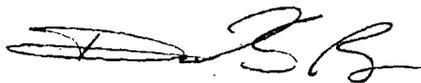
Urgent For Review Please Comment Please Reply Please Recycle

• Comments:

THE USAF HAD A PERMIT FOR THE
GAUGE AT MALMSTROM AFB MT.

THE PERMIT WAS TERMINATED ON
23 DEC 97.

THE ITEM WAS PICKED UP BY A
WASTE BROKER ON 9 OCT 97.



DAVID L. PUGH, Capt, USAF, BSC
Radiation Protection Division
Air Force Medical Operations Agency

PAGE 1 OF 1 PAGES

RADIOACTIVE MATERIAL PERMIT USAF RADIOISOTOPE COMMITTEE

Pursuant to the authority stated in AFI 40-201, Managing Radioactive Materials in the USAF, and in reliance on statements made by the applicant, permission is hereby granted to receive, possess, transfer, and store radioactive materials listed below, and to use this material for the purpose and at the places listed below.

1. ORGANIZATION (Name and Address) 341 CBS/CEOIS 39 78TH AVEN MALMSTROM AFB MT 59402-7536	2. PERMIT NO. MT-30266-01/01AFP	3. AMENDMENT NO 1
	4. EXPIRATION DATE Terminated	
	5. DOCKET NO. 030-90181	

In accordance with 341 CES/CC Memo dated 8 Dec 1997, USAF Radioactive Material Permit No. MT-30266-01/01AFP is hereby terminated.

T E R M I N A T E D

Date 23 Dec 1997

FOR THE USAF RADIOISOTOPE COMMITTEE SECRETARIAT

By Barbara L Moore
 for DON W. JORDAN, Lt Col, USAF, BSC
 Chief, USAF Radioisotope Committee Secretariat
 Air Force Medical Operations Agency
 Office of the Surgeon General



DEPARTMENT OF THE AIR FORCE
HEADQUARTERS 341ST SPACE WING (AFSPC)



8 Dec 97

MEMORANDUM FOR 341 AMDS/SGPB
AFMOA/SGOR
IN TURN

FROM: 341 CES/CC

SUBJECT: Termination of Radioactive Material Permit No. MT-30266-02/00AFP (Ref. AFMOA/SGPR Ltr, 7 Nov 97)

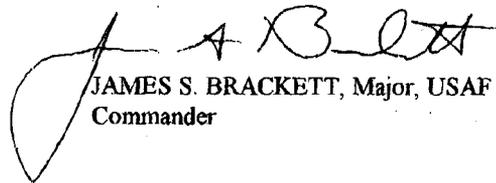
1. According to the letter referenced in the subject, our radioactive material permit is to be renewed for storage only.

a. The radioactive material covered by this permit was disposed of 9 Oct 97 based upon instructions from Mr. Ken Vaughn's office at:

Allied Tech. Group
Richland Consolidation Facility
2025 Battelle Blvd.
Richland, WA 99352

b. Since the base heat plant is no longer in possession of this material and has no plans to ever be in possession of any radioactive material in the future, I am requesting permit # MT-30266-02/00AFP be terminated.

2. If there are any questions concerning this request, please contact Ken Koger at DSN 632-6434


JAMES S. BRACKETT, Major, USAF
Commander

cc:
HQ AFSPC/SGPB



BROKER/SHIPMENT FORM

(EXAMPLE)

(1.0) BROKER/SHIPPER: RICK HOLTBOUSER TELEPHONE: (309) 782-1540
 (2.0) CLIENT: MALMSTROM AIR FORCE BASE TELEPHONE: (406) 731-4409
 (3.0) SHIPPING METHOD: CLOSED VAN (4.0) PROPER SHIPPING NAME: UN 2982
 (5.0) SHIPPER'S MANIFEST NUMBER: AF97-029 (6.0) SHIPMENT ORIGATION: US ARMY
 (7.0) DATE OF SHIPMENT: 9 October 1997 (8.0) EXPECTED DELIVERY DATE: 17 October 1997
 (9.0) MATERIAL DESCRIPTION: SOURCES, METERS, DUPLEXER, SMOKE DETECTORS,
~~LEATHER~~ PA

(10.0) PRIMARY ISOTOPES AND TOTAL ACTIVITY OF EACH: ~~13~~ ~~Sr-90~~ PA, ~~Pu-238~~ - .0019 PAH, ~~Td-232~~ - .0003 MC, ~~Pa-239~~ - .0002 MC, ~~Am-241~~ - .0018 PAH, ~~Pm-147~~ - .150 MC, ~~Am-241~~ - 0.0614 mCi

(11.0) MAX RAD/CON LEVELS OUTSIDE CONTAINER: L220 L2200 10 mR/hr Contact .8 mR/hr 1m
 (12.0) MATERIAL PACKAGING DESCRIPTION: CLOSED VAN - 55 gal drums
7A TYPE A 17 H

(13.0) SHIPMENT VOLUME: 15 25 PAH ACTUAL EST (14.0) SHIPMENT WEIGHT: 350 400 PAH ACTUAL EST

(15.0) PROCESSING INSTRUCTIONS: N/A

(16.0) PLANNED FINAL DISPOSITION INSTRUCTIONS: N/A

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

DISPOSAL CONTAINER DESCRIPTION

3. CONTAINER IDENTIFICATION NUMBER, S.C. TRANSPORT PERMIT NUMBER	4. CONTAINER DESCRIPTION (See NRC 1.6, NRC 1.7)	5. WASTE AND CONTAINER WEIGHT	6. VOLUME	7. SURFACE RADIATION LEVEL (mSv/hr)	8. SURFACE CONTAMINATION (dpm/100 cm ²)	10. CONTAMINATION			11. WASTE DESCRIPTION (See Note 2)	12. APPROXIMATE WASTE VOLUMES IN CONTAINER	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3 & Note 3A)	14. CHEMICAL DESCRIPTION		15. PHYSIOLOGICAL DESCRIPTION	16. CLASSIFICATION
						ALPHA	BETA	GAMMA				CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT (P > 0.1%)		
MA-1		40.72	7.5	1	3.67E-6				1.4	5	100	OX102	N/A		AW
0148-00-94E		200	7.5	1	3.67E-6				36	2	100	OX102E	N/A		AW
		90.72	7.5	10	3.67E-6				36	2	100	OX102E	N/A		AW
		200	7.5	10	3.67E-6				36	2	100	OX102E	N/A		AW

NOTE 1: Container Description Codes. For materials of waste requiring disposal in approved structural overpacks, the numerical code must be followed by "OP".

1. Wooden Box or Case
2. Plastic Drum or Pail
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or U-tank
6. Concrete Tank or U-tank
7. Polyethylene Tank or U-tank
8. Polypropylene Tank or U-tank
9. Dismantling
10. Gas Cylinder
11. Gas Cylinder
12. High Integrity Drum Overpack - Poly
13. High Integrity Drum Overpack - Steel
14. High Integrity Container - Poly
15. High Integrity Container - Steel
16. High Integrity Container - Fibreglass
17. Other. Describe in item 6, or additional page

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Chemical
21. Inert/Non-Ash
22. Solid
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous. Part or Slurry
29. Demolition Rubble
30. Carbon Non-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Cation Ion-exchange Media
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Solids/Concentrates
39. Compressible Trash
40. Non-compressible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
44. Other. Describe in item 11, or additional page

NOTE 3: Berkey Specific Container Description Codes. (Choose all applicable codes.)

- A. High Integrity Container - Poly
- B. High Integrity Container - Poly with Seal Steel
- C. High Integrity Drum Overpack - Poly
- D. High Integrity Container - Stainless Steel
- E. High Integrity Container - Fibreglass
- F. Other - Steel

NOTE 4: Berkey Specific Waste Descriptor Codes. (Choose all applicable codes.)

- G. Dismantled
- H. Solid
- I. Compressible
- J. Non-compressible
- K. Air Filtration Filter
- L. Adsorbent

NOTE 5: Subclassification of Hazardous Waste Codes. For waste materials, the Normalized Code (NC) is used to indicate the hazard class. The NC is derived from the waste material and is used to determine the appropriate waste management and disposal requirements. (Choose the most applicable.)

- AW: Very Low Hazard
- AL: Low Hazard
- ALC: Low to Intermediate Hazard
- ALC1: Low to Intermediate Hazard - Class 1
- ALC2: Low to Intermediate Hazard - Class 2
- ALC3: Low to Intermediate Hazard - Class 3
- ALC4: Low to Intermediate Hazard - Class 4
- ALC5: Low to Intermediate Hazard - Class 5
- ALC6: Low to Intermediate Hazard - Class 6
- ALC7: Low to Intermediate Hazard - Class 7
- ALC8: Low to Intermediate Hazard - Class 8
- ALC9: Low to Intermediate Hazard - Class 9
- ALC10: Low to Intermediate Hazard - Class 10
- ALC11: Low to Intermediate Hazard - Class 11
- ALC12: Low to Intermediate Hazard - Class 12
- ALC13: Low to Intermediate Hazard - Class 13
- ALC14: Low to Intermediate Hazard - Class 14
- ALC15: Low to Intermediate Hazard - Class 15
- ALC16: Low to Intermediate Hazard - Class 16
- ALC17: Low to Intermediate Hazard - Class 17
- ALC18: Low to Intermediate Hazard - Class 18
- ALC19: Low to Intermediate Hazard - Class 19
- ALC20: Low to Intermediate Hazard - Class 20
- ALC21: Low to Intermediate Hazard - Class 21
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- ALC25: Low to Intermediate Hazard - Class 25
- ALC26: Low to Intermediate Hazard - Class 26
- ALC27: Low to Intermediate Hazard - Class 27
- ALC28: Low to Intermediate Hazard - Class 28
- ALC29: Low to Intermediate Hazard - Class 29
- ALC30: Low to Intermediate Hazard - Class 30
- ALC31: Low to Intermediate Hazard - Class 31
- ALC32: Low to Intermediate Hazard - Class 32
- ALC33: Low to Intermediate Hazard - Class 33
- ALC34: Low to Intermediate Hazard - Class 34
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- ALC36: Low to Intermediate Hazard - Class 36
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- ALC39: Low to Intermediate Hazard - Class 39
- ALC40: Low to Intermediate Hazard - Class 40
- ALC41: Low to Intermediate Hazard - Class 41
- ALC42: Low to Intermediate Hazard - Class 42
- ALC43: Low to Intermediate Hazard - Class 43
- ALC44: Low to Intermediate Hazard - Class 44
- ALC45: Low to Intermediate Hazard - Class 45
- ALC46: Low to Intermediate Hazard - Class 46
- ALC47: Low to Intermediate Hazard - Class 47
- ALC48: Low to Intermediate Hazard - Class 48
- ALC49: Low to Intermediate Hazard - Class 49
- ALC50: Low to Intermediate Hazard - Class 50

NOTE 6: Berkey Specific Waste Descriptor Codes. (Choose all applicable codes.)

- M. Very Low Hazard
- W. Very Low Hazard
- W1. Very Low Hazard
- W2. Very Low Hazard
- W3. Very Low Hazard
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- W49. Very Low Hazard
- W50. Very Low Hazard

CONSIGNEE ORIGINAL COPY

DEC 17 2001