

NRC FORM 313
(10-2005)
10 CFR 30, 32, 33,
34, 35, 36, 39, and 40

U.S. NUCLEAR REGULATORY COMMISSION

APPLICATION FOR MATERIAL LICENSE

APPROVED BY OMB: NO. 3150-0120

EXPIRES: 10/31/2008

Estimated burden per response to comply with this mandatory collection request: 4.4 hours. Submittal of the application is necessary to determine that the applicant is qualified and that adequate procedures exist to protect the public health and safety. Send comments regarding burden estimate to the Records and FOIA/Privacy Services Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollects@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0120), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.

APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:

DIVISION OF INDUSTRIAL AND MEDICAL NUCLEAR SAFETY
OFFICE OF NUCLEAR MATERIALS SAFETY AND SAFEGUARDS
U.S. NUCLEAR REGULATORY COMMISSION
WASHINGTON, DC 20555-0001

ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:

IF YOU ARE LOCATED IN:

ALABAMA, CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, FLORIDA, GEORGIA, KENTUCKY, MAINE, MARYLAND, MASSACHUSETTS, MISSISSIPPI, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, NORTH CAROLINA, PENNSYLVANIA, PUERTO RICO, RHODE ISLAND, SOUTH CAROLINA, TENNESSEE, VERMONT, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA, SEND APPLICATIONS TO:

LICENSING ASSISTANCE TEAM
DIVISION OF NUCLEAR MATERIALS SAFETY
U.S. NUCLEAR REGULATORY COMMISSION, REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PA 19406-1415

IF YOU ARE LOCATED IN:

ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND APPLICATIONS TO:

MATERIALS LICENSING BRANCH
U.S. NUCLEAR REGULATORY COMMISSION, REGION III
2443 WARRENVILLE ROAD, SUITE 210
LISLE, IL 60532-4352

ALASKA, ARIZONA, ARKANSAS, CALIFORNIA, COLORADO, HAWAII, IDAHO, KANSAS, LOUISIANA, MONTANA, NEBRASKA, NEVADA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, OREGON, PACIFIC TRUST TERRITORIES, SOUTH DAKOTA, TEXAS, UTAH, WASHINGTON, OR WYOMING, SEND APPLICATIONS TO:

NUCLEAR MATERIALS LICENSING BRANCH
U.S. NUCLEAR REGULATORY COMMISSION, REGION IV
611 RYAN PLAZA DRIVE, SUITE 400
ARLINGTON, TX 76011-4005

PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S. NUCLEAR REGULATORY COMMISSION JURISDICTIONS.

1 THIS IS AN APPLICATION FOR (Check appropriate item)

- A. NEW LICENSE
 B. AMENDMENT TO LICENSE NUMBER 24-26366-01
 C. RENEWAL OF LICENSE NUMBER

2. NAME AND MAILING ADDRESS OF APPLICANT (Include ZIP code)

See Item 3.

3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

High Energy Devices, LLC
45 D Progress Parkway
Maryland Heights, MO 63043

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Michael C. Brower

TELEPHONE NUMBER

(314) 434-2181

SUBMIT ITEMS 5 THROUGH 11 ON 8-1/2 X 11" PAPER. THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE.

5. RADIOACTIVE MATERIAL
a. Element and mass number; b. chemical and/or physical form; and c. maximum amount which will be possessed at any one time

6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.

7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING EXPERIENCE

8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS.

9. FACILITIES AND EQUIPMENT

10. RADIATION SAFETY PROGRAM.

11. WASTE MANAGEMENT.

12. LICENSE FEES (See 10 CFR 170 and Section 170.31)

FEE CATEGORY N/A AMOUNT ENCLOSED \$

13. CERTIFICATION (Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT.

THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, 36, 39 AND 40, AND THAT ALL INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.

WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948 62 STAT. 749 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

CERTIFYING OFFICER -- TYPED/PRINTED NAME AND TITLE

Michael C. Brower, Radiation Safety Officer

SIGNATURE

Michael C. Brower

DATE

8-30-06

FOR NRC USE ONLY

TYPE OF FEE	FEE LOG	FEE CATEGORY	AMOUNT RECEIVED	CHECK NUMBER	COMMENTS
APPROVED BY			\$		DATE

HIGH ENERGY DEVICES

Phone: 314.434.5191 • Fax: 314.434.8184
Email: info@highenergydevices.com

HIGH ENERGY DEVICES, LLC
45D Progress Parkway • Maryland Heights, MO 63043

www.highenergydevices.com

August 29, 2006

Mr. Kevin Null
Materials Licensing Branch, Region III Office
U.S. Nuclear Regulatory Commission
2443 Warrenville Road
Suite 210
Lisle, IL 60532-4352

RE: License Number: 24-26366-01, Facility Decommissioning and Relocation, Please Expedite

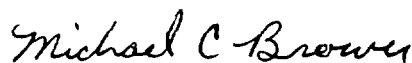
Dear Mr. Null:

It is my understanding that Mr. Robert Wester has discussed our future plan whereby High Energy Devices, LLC, will be moving to a new location and will be decommissioning its facility at 45D Progress Parkway in Maryland Heights, Missouri. It is our desire to be out of the current building by November 30, 2006. Since, the Department of Defense (DOD) and medical clients depend on products produced by High Energy Devices, LLC, we are requesting that USNRC expedite the following chain of events.

1. Please amend License Number 24-26366-01 and add the address and areas located at the new facility to the existing license. A copy of the new facility diagrams, including a detail of the Hot Lab, is given in Attachment 1. It is our desire to keep licensed material usage confined to the Hot Lab at the new facility. No changes to current materials, quantities, personnel, or radioactive usage applies to the new facility. The new facility will be located approximately 5 miles from the current location. The new facility address is: 26 Hollenberg Court, Bridgeton Missouri 63044.
2. A decommission plan and outline is given in Attachment 2 regarding the Maryland Heights, Missouri facility. We have contracted R. M. Wester & Associates, Inc. to perform the decommission survey and amendments. Licensed material usage is currently scheduled to cease on October 1, 2006. After this date, the decommissioning survey will move forward. R. M. Wester & Associates, Inc. will follow up in late October with the details of the decommission survey, upon completion of their analysis and report.
3. After USNRC approves the above survey and decommissions the Maryland Heights Missouri facility, High Energy Devices, LLC, will submit an amendment to remove the Maryland Heights facility from the USNRC license.

Thank you for your assistance in these matters. Please do not hesitate to contact me if you have questions or comments on the above.

Sincerely,
High Energy Devices, LLC

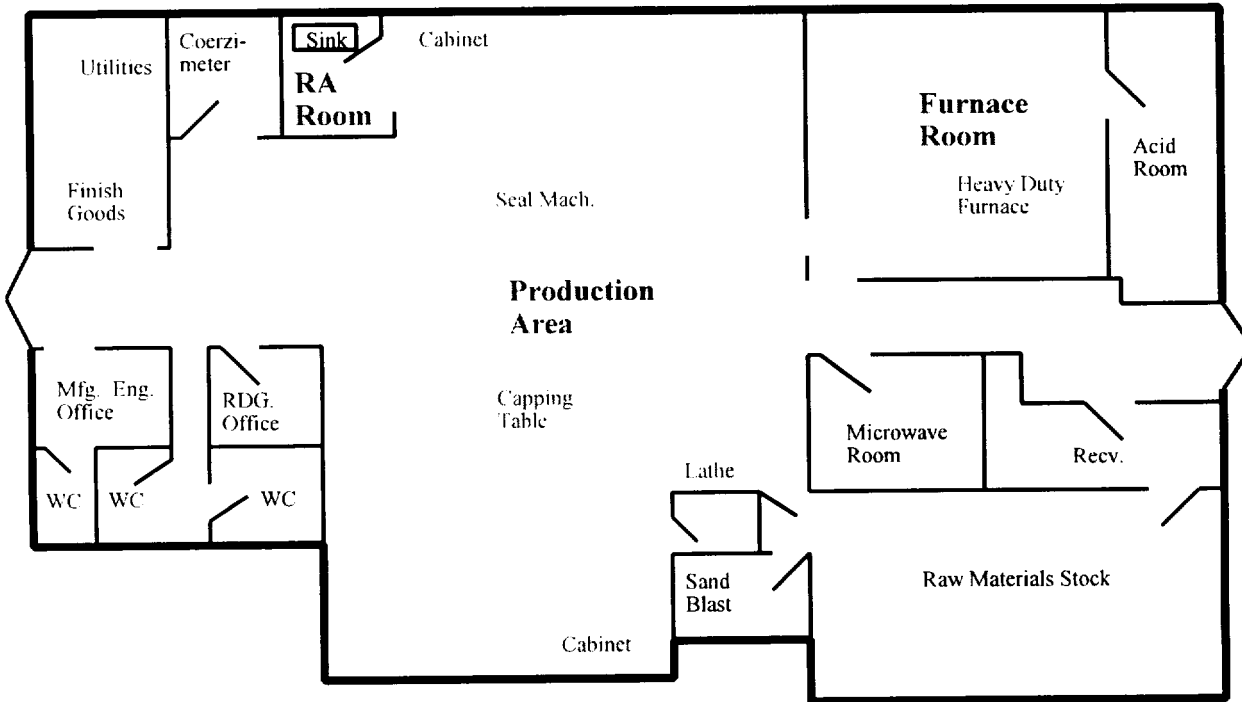


Michael C. Brower
Radiation Safety Officer

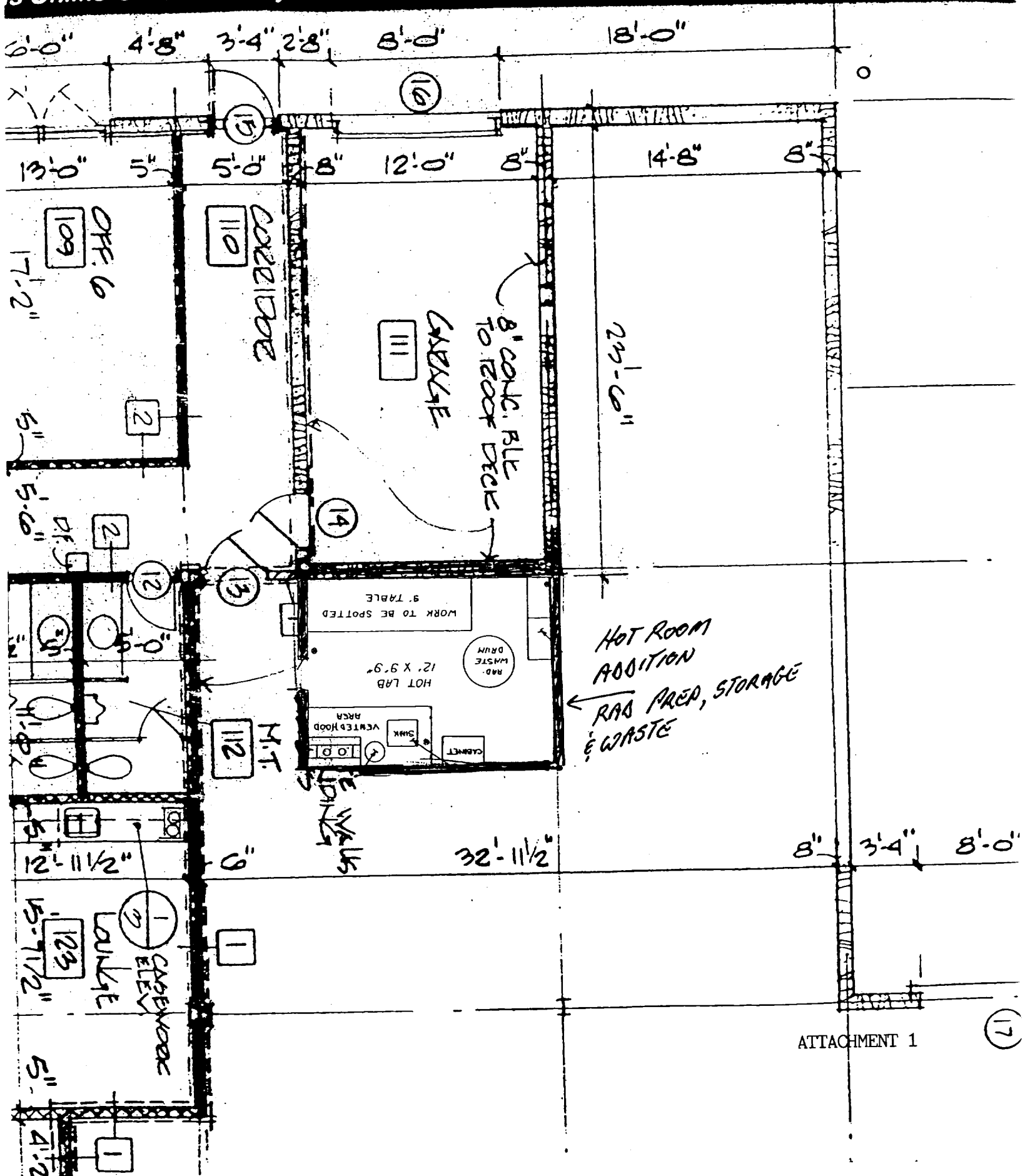
cc. Mr. Anthony S. Kirkwood, USNRC, Washington DC

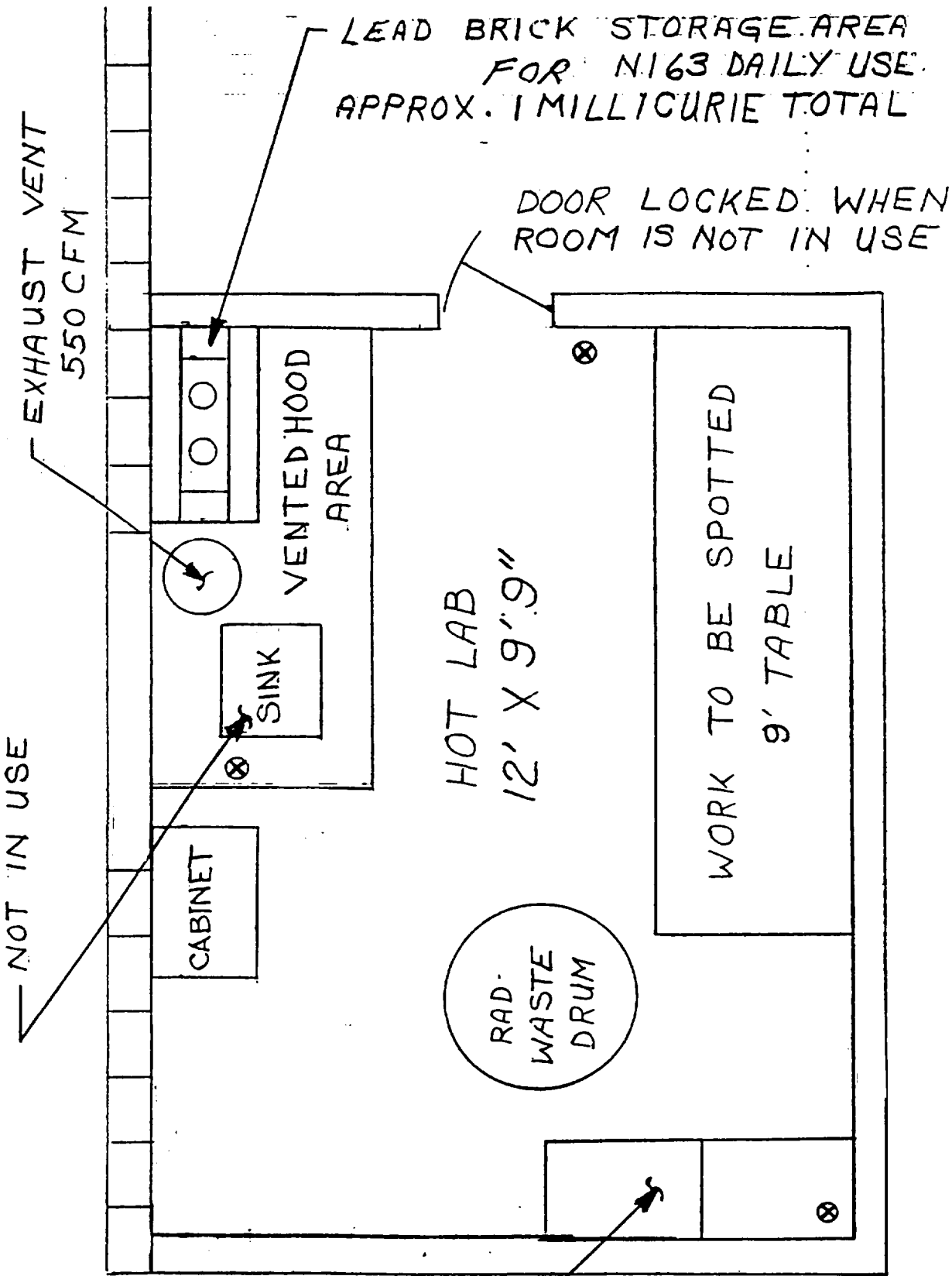
ATTACHMENT 1

Current Facility Layout
High Energy Devices
45 D Progress Parkway, Maryland Heights MO



Note: Not drawn to exact scale





⊗ FILM BADGE

LEAD STORAGE CABINET # LEAD CONTAINERS FOR NI63 STORAGE

ATTACHMENT 1

H.E.D DEPT. HOT LAB

R. M. WESTER *and ASSOCIATES, INC.*
215 INDACOM DRIVE - ST. PETERS, MISSOURI 63376
(636) 928-9628 - FAX (636) 928-9857

Decommissioning Survey Outline for
High Energy Devices, LLC

August 30, 2006

Prepared by:

R. M. Wester & Associates, Inc.

ATTACHMENT 2

High Energy Devices, LLC

Radiological Decommission Survey And Implementation Outline

1. Historical Overview. The facility is housed within a multi-room manufacturing area for the manufacture of high voltage and high current fuses and switching components used in Department of Defense (DOD)/Military, medical and industrial environments. Licensed materials are reportedly only used in the Hot Lab where liquids are dried in place onto manufactured devices. Machining of exterior housing assemblies occurs in the Production Area outside the Hot Lab. Licensed materials used within the facility include beta-gamma emitters of the following nuclides, forms and quantities: Cesium-137, Nickel-63, Krypton-85 in both sealed, manufactured sources and liquids in milli-Curie quantities regarding total possession limits. Total quantities of radioactive materials contained within each manufactured device are reported as approximately 0.4 micro-Curies, or less. No spillage of radioactive materials has occurred during licensed operations. The license holder desires to relocate their USNRC licenses to a new location and to radiological decommission the facility for unrestricted release not later than November 2006.

The probability of contamination spreading to areas outside the Hot Lab is expected to be minimal, based upon conversation with the license RSO, due to the dried and confined nature of the spots outside the Hot Lab. However, a limited survey in the Unaffected Areas, weighted by high probability for contamination within each of the Affected Areas, is proposed. No significant concentration of licensed nuclide contaminants are expected above the background levels in the Unaffected Areas. Radioactive materials and equipment items found within the Hot Lab will be surveyed and contained in shrink wrap, or other appropriated containers to meet DOT requirements, prior to transfer to the new licensed facility using a licensed carrier. Only equipment items identified by the licensee as having the greatest probability for spread of potential contamination located in Unaffected Areas will be surveyed prior to transfer to the new facility. If an elevated item is found, it will be shrink wrapped, or otherwise appropriately contained, prior to transport. All radioactive material usage is expected to cease on October 1, 2006 with release of the current facility not later than December 31, 2006. The USNRC Licenses applicable to the facility are: 24-26366-01, Amendment 3, having Expiration Date of August 31, 2012 for possession and manufacturing; 24-26366-02E, Amendment 3, having Expiration Date of August 31, 2014 for distribution.

2. Scope of Survey. Three Affected Areas have been identified for characterization survey:

A. HOT LAB – Specifically, the Hot Lab focus includes:

Equipment– Miscellaneous storage, handling and processing equipment; Fume Hood

Floors– Floor surface, seams, cracks, drains, drain pipes, as applicable

Walls– Normal surfaces up to approximately 7 feet in height

- B. SPOTTED GLASS HOLDING AREA. Specifically, the Spotted Glass Holding Area focus, outside the Hot Lab includes:

Equipment– Storage Cabinet

Floor– Floor surfaces within a 15 foot square incorporating the storage cabinet, including seams, cracks and drain cover plate caps, where applicable

- C. WORK IN-PROGRESS AREA. Specifically, the Work In-Progress Area focus includes:

Equipment–Storage Cabinet

Floor– Floor surfaces within a 15 foot square incorporating the storage cabinets, including seams, cracks and drain pipe cover plate caps, where applicable.

- D. UNAFFECTED AREAS. Specific work areas within the Production and Furnace Room Areas included for limited survey of a random sampling of probability areas between the affected areas include:

1. ADJACENT TRAFFIC WAYS AND ACCESS WAYS. Specifically, the Unaffected Area focus includes:

Fixed and/or Removable Equipment– Specific production equipment items identified by the licensee including: Two ovens; Seal Machine; Capping Table; Lathe; Heavy Duty Furnace

Floors–Floor surfaces, seams, cracks, drain cover plate caps

3. Release Criteria.

- A. Fixed Contamination – Beta-Gamma Contamination

1100 dpm/100 cm² as maximum for any single location; 220 dpm/100 cm² as maximum average

- B. Removable Contamination – Beta-Gamma Contamination

220 dpm/100 cm²

4. Survey Instrumentation

- A. Instrument Calibration

1. Calibration of instruments will follow the guidelines of 10 CFR 35.61, “Calibration of Survey Instruments”

B. Functional Checks

1. Instrument consistency checks will be performed before and after the survey. Consistency will not vary by more than 10% check source precision.

C. Instrumentation.

1. Beta-Gamma Radiation Level Survey. Portable GM equipment and/or end window NaI scintillation detector will be used.
2. Beta-Gamma Wipe Analysis. Performed using a LSA and gamma scintillation analyzer

5. Proposed Schedule

Date Range	Activity	
August 1 – August 9, 2006	Site Historical Assessment	✓
August 21 – August 31, 2006	License Amendments to Add New Facility	✓
August 21 – August 31, 2006	Decommission Plan Preparation and Mailing	✓
September 5 – October 1, 2006	NRC Review and Decommission Plan Finalization	
October 2 – October 8, 2006	Characterization Survey(s)	
October 9 – October 15, 2006	Remediation Survey(s) and Decontamination	
October 16 – October 26, 2006	Survey Documentation and Review	
October 29, 2006	Submission to USNRC	
October 30 – November 30, 2006	USNRC Review and Amendment Finalization	

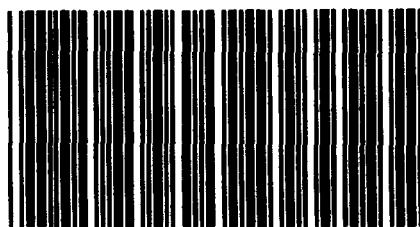
6. Site Location and Facility Layout – Given in Enclosure 1.

**USA
Overnight**



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DPAF



Acct: 852255197

Date: 08/31/2006

Ref:

Waybill:

8909855091



Routing:

1T/

Weight: XD

Origin: STL

Pcs: 1

FR:R M WESTER & ASSOCIATES

Barbara Nacke
215 INDACOM DR
ST PETERS, MO
63376 United States Of America
Ph: (636) 928-9628 Fax:

TO:US NRC Region III

**Mr Kevin Null
Materials Licensing Branch
2443 Warrenville Road
Suite 210
Lisle, IL
60532-4352 United States Of America
Ph: (800) 522-3025 Fax:**

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