

January 21, 2009

Mr. Dennis R. Lawyer  
Health Physicist  
Commercial and R&D Branch  
Division of Nuclear Materials Safety  
US Nuclear Regulatory Commission, Region I  
475 Allendale Road  
King of Prussia, PA 19406-1415

MS 16  
J-6

RECEIVED  
REGION I

2009 JAN 23 AM 10: 59

03033421

Subject: Additional Information Concerning Application for License Termination  
License No. 29-30119-01  
Control No. 143077

Dear Mr. Lawyer:

This is in response to your letter dated 23 December 2008 requesting additional information regarding our license amendment request to terminate our specific byproduct material license.

1. In support of an environmental assessment related to the unrestricted release of our facility, we provide the following information as requested:
  - a. The name of the facility is Medarex, Inc.
  - b. The entire facility is composed of two interconnected buildings. Building 1 has one floor with a total of 76,000 square feet. Building 2 has a total of 88,130 square feet and has a partial second floor. The area where licensed material was stored and used consists of two small lab rooms in Building 1: Room 145A with 229 square feet, and Room 115A with 208 square feet.
  - c. The type of building use is described as general office and laboratory.
  - d. The surrounding area is best described as mixed rural/residential.
  - e. The general types of activities authorized on the license are laboratory procedures performed on bench tops and in hoods.
  
2. Our response to your request for records requested pursuant to 10 CFR 30.35(g), 30.36(k)(4) and 30.51 are given below.
  - a. Requested disposal records are addressed as follows:
    - i. 10 CFR 20.2002. The licensee has never applied to the Commission for approval of proposed procedures, not otherwise authorized in the regulations, to dispose of licensed material generated in the licensee's activities.

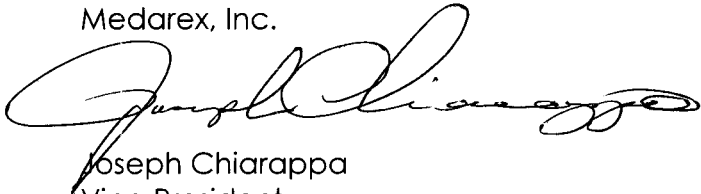
- ii. 10 CFR 20.2003. The licensee has never disposed of licensed material in the sewer.
  - iii. 10 CFR 20.2004. The licensee has never treated or disposed of licensed material by incineration.
  - iv. 10 CFR 20.2005. The licensee has never disposed of specific wastes (i.e., spent liquid scintillation counting media and animal tissue) under this section of the regulations.
  - v. With respect to records of evaluations of effluent releases for disposal made pursuant to 10 CFR 20.2103(b)(4), the licensee has no such records.
- b. Records important for decommissioning as described in 30.35(g).
- i. Routine contamination surveys have consistently shown radiological contamination levels to be low or non-detectable and below levels suitable for release in accordance with the criteria for decommissioning in 10 CFR part 20, subpart E. Our amendment application requesting license termination dated 1 December 2008 contains the final status surveys for each of the rooms for which storage and use of licensed materials was allowed. These final status surveys demonstrate that contamination levels are below levels suitable for release in accordance with the criteria for decommissioning in 10 CFR part 20, subpart E.
  - ii. There are no known or anticipated inaccessible locations that could contain contamination.
  - iii. Regarding as-built drawings of restricted areas, attached are floor plans of Building 1 at our Bloomsbury facility and of the only two restricted areas: rooms 115A and 145A.
  - iv. The only two restricted areas over the term of the license at the Bloomsbury site have been rooms 115A and 145A. Currently, these rooms are no longer restricted since all licensed material has been removed and the final status surveys have been completed.
  - v. There are no areas outside of these restricted areas that require documentation under § 30.35(g)(1).
  - vi. Radioactive waste has never been buried on site.
  - vii. The licensee has never needed financial assurance due to the quantities of radionuclides allowed by the license. Therefore, there are no records relating to financial assurance or decommissioning planning.
  - viii. Our facility located at 1545 Route 22 East, Annandale, NJ was removed from the license by Amendment Number 4 dated 12 December 2001. Use of radioactive material at Annandale was terminated in 2001. We have reviewed our records and can confirm that the only radionuclide ever used at the Annandale facility was chromium-51. Chromium-51 has a 27.7 day half-life. More than 93 half-lives have elapsed since use of chromium-51 ended in Annandale. Therefore, records important for decommissioning of the Annandale facility are not pertinent to this license termination request.

3. You may contact the following person, if necessary, following license termination:

Mr. Kevin Krause  
Director, EHS  
Medarex, Inc.  
519 Route 173 West  
Bloomsbury, NJ 08804  
(908) 479-2471  
(908) 310-3542 (cell)

We believe that the Nuclear Regulatory Commission now has all necessary information to process our request to terminate our byproduct material license. If you have further questions, please feel free to contact me or Mr. Kevin Krause.

Very truly yours,  
Medarex, Inc.

A handwritten signature in black ink, appearing to read "Joseph Chiarappa". The signature is fluid and cursive, with a long horizontal stroke at the end.

Joseph Chiarappa  
Vice President  
Technical Operations

Attachments:

Floor Plan of Building 1, Bloomsbury, NJ  
Floor Plan of Room 115A, Bloomsbury, NJ  
Floor Plan of Room 145A, Bloomsbury, NJ

**ARC-0101-047**

**BLOOMSBURY FACULTY BUILDING #1**

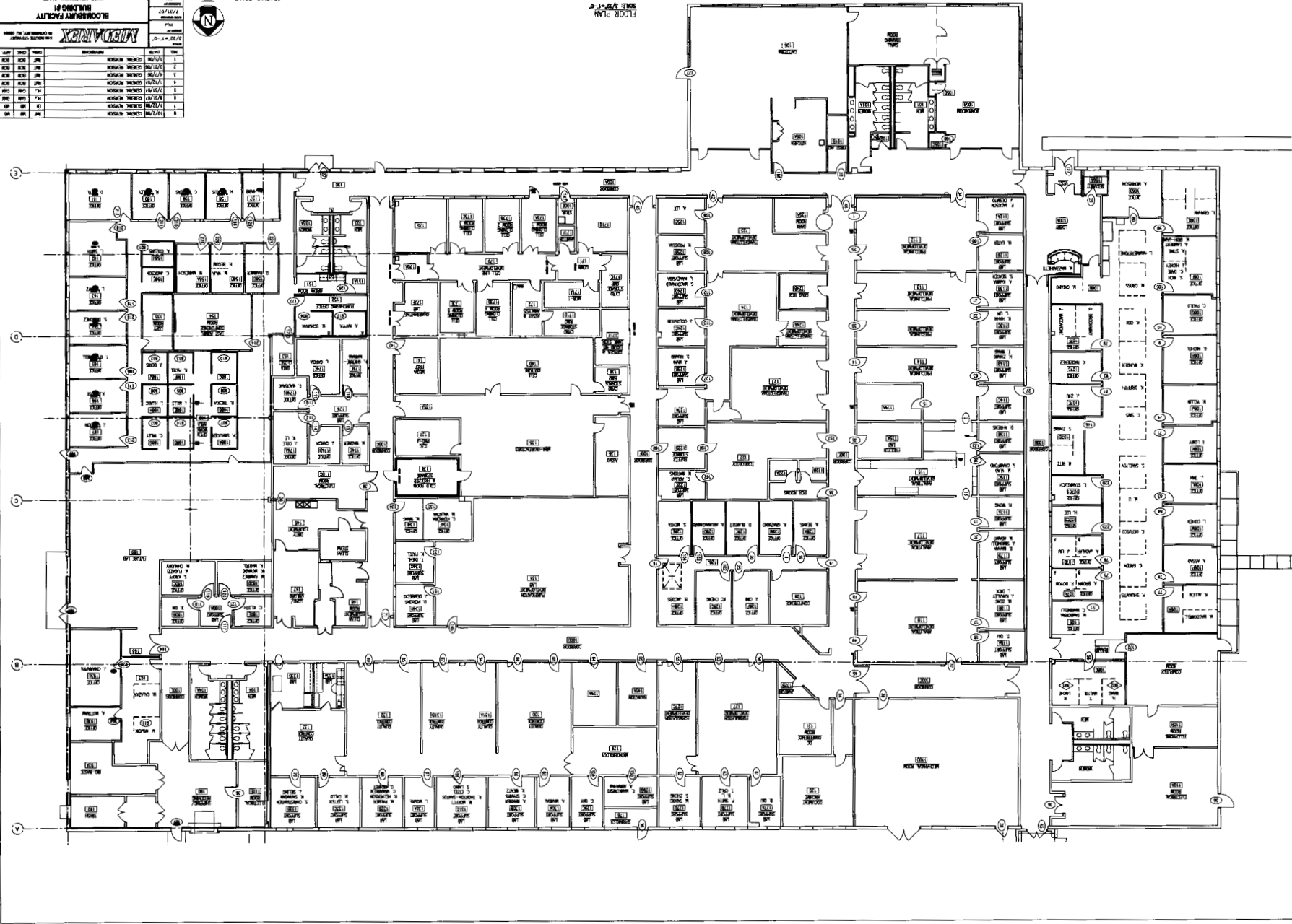
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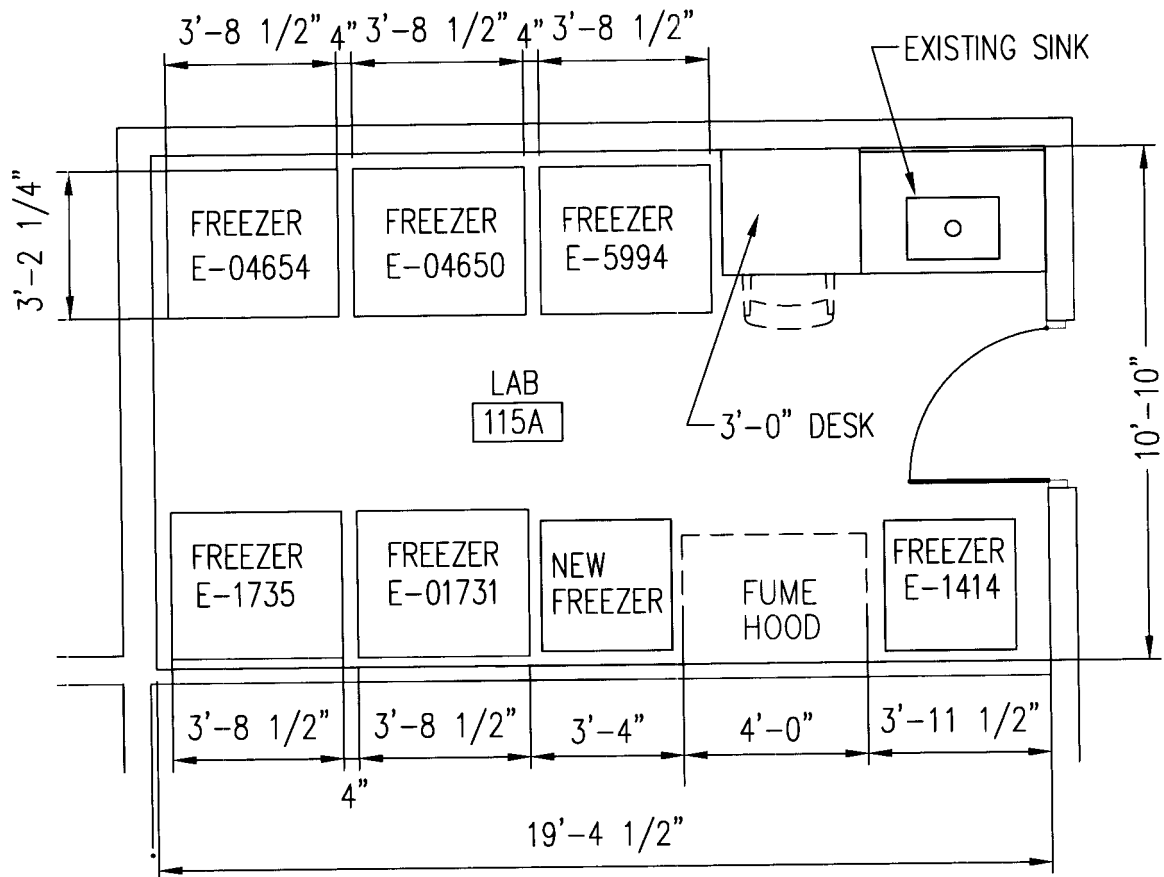
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NO.	DATE	DESCRIPTION
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CDI Architecture  
 225 WEST 11th STREET  
 NEW YORK, NY 10014  
 TEL: 212 692 1234  
 FAX: 212 692 1234  
 WWW: CDIARCH.COM

FLOOR PLAN  
 SCALE: 1/8" = 1'-0"

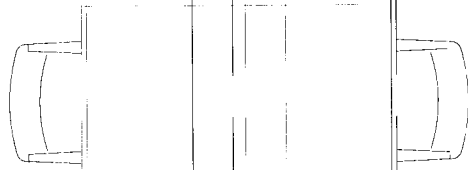




**PARTIAL PLAN**  
 SCALE: 1/4"=1'-0"

REV	DESCRIPTION	DATE	 519 ROUTE 173 WEST BLOOMSBURY, NJ 08804		SCALE	
					<b>BUILDING 1</b> <b>LAB 115A EQUIPMENT RELOCATION</b> ARCHITECTURAL EQUIPMENT PLAN	
			DRAWN BY	DL		
			DATE CREATED	10/11/06		
			DWG #	A-1		

RADIATION



REF  
REF/ER

BSC

RADIATION  
LAB

145A

FUME  
HOOD

LATERAL FILES

SAM  
LOG

CLASS II TYPE A  
BIOLOGICAL SAFETY  
CABINET

129

2-DOOR REFRIG

CARD ACCESS

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