Analytical Bio-Chemistry Laboratories, Inc.

Celebrating four decades of product development expertise

26 July 2010

Nuclear Regulatory Commission
Materials Licensing Branch
US NRC, Region III
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4352
Attn: Kevin Null

RE: License Amendment Request –License No. 24-13365-01, Change of Release Limits on Building Surfaces

Mr. Null:

ABC Laboratories would like to amend our current NRC License #24-13365-01 to increase our release limits for total and removable contamination on building surfaces from our current limit of 200 dpm/100 cm^2 to the following levels:

Screening levels for H-3	1.2E8 dpm/100 cm^2 (total)
Screening levels for C-14	3.7E6 dpm/100 cm^2 (total)

These limits are in line with the limits set forth in NUREG-1757 Consolidated Decommissioning Guidance, Volume 2, Revision1, dated September 2006. As prescribed in the above document, removable contamination will constitute only 10% of any of those total values.

We will continue to utilize our current release limits of 200 dpm/100 cm^2 for equipment and other materials.

If you have any further questions regarding this request, please feel free to contact me at your earliest convenience. Thank you for your consideration in this matter.

Sincerely,

Elaine McCoy
Vice President Human Resources and EH&S
Interim Radiation Safety Officer

RECEIVED JUL 29 2010

Laboratories

Analytical Bio-Chemistry Laboratories, Inc.

Celebrating four decades of product development expertise

July 15, 2010

Nuclear Regulatory Commission
Materials Licensing Branch
US Nuclear Regulatory Commission, Region III
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4352

ATTN: Kevin Null

RE: License Amendment Request – License No. 24-13365-01, Change of Use Building E

Mr. Null:

Analytical Bio-Chemistry Laboratories is requesting an amendment to our license to allow for the storage and use of radioactive compounds, and the storage of radioactive active waste, primarily ^{14}C, in Building E. Currently the dock area in Bldg E is the only named location within our license.

The Environmental Fate function is relocating from Building J to Building E. This group uses small quantities of ^{14}C to conduct their studies. Following are the laboratories where small quantities of ^{14}C will be stored or used: 819, 820, 846, 848, 851, 852, 854,862, 8105. The floor plan for Building E is attached.

You received notification of our intention to cease waste storage operations in Building F. Waste storage will be relocated to Building E to a high hazard storage area (8101.1 on the floor plan), with separate locked entry and limited access. Following are the specifications of the new waste storage area:

- High Hazard (HH) waste area (Room # 8101.1) - 1,600 SF separated storage structure (stand alone) within the building footprint.
  - Separate structure of 6" tilt-up wall
  - Room's lighting fixtures are blast and arc resistant.
  - Tilt-up panels are blast resistant to 100 psf (increased reinforcing),
  - There are 4 blast relief panels release at 10psf, and a blast resistant door to 100 psf.
  - A 6,000-gallon underground storage tank is outside the HH room to contain any fire protection water or spills that may be used. Multiple drains in the HH Room drain fire protection water for 20 minutes of usage into the storage tank.
  - Floor is epoxy coated.

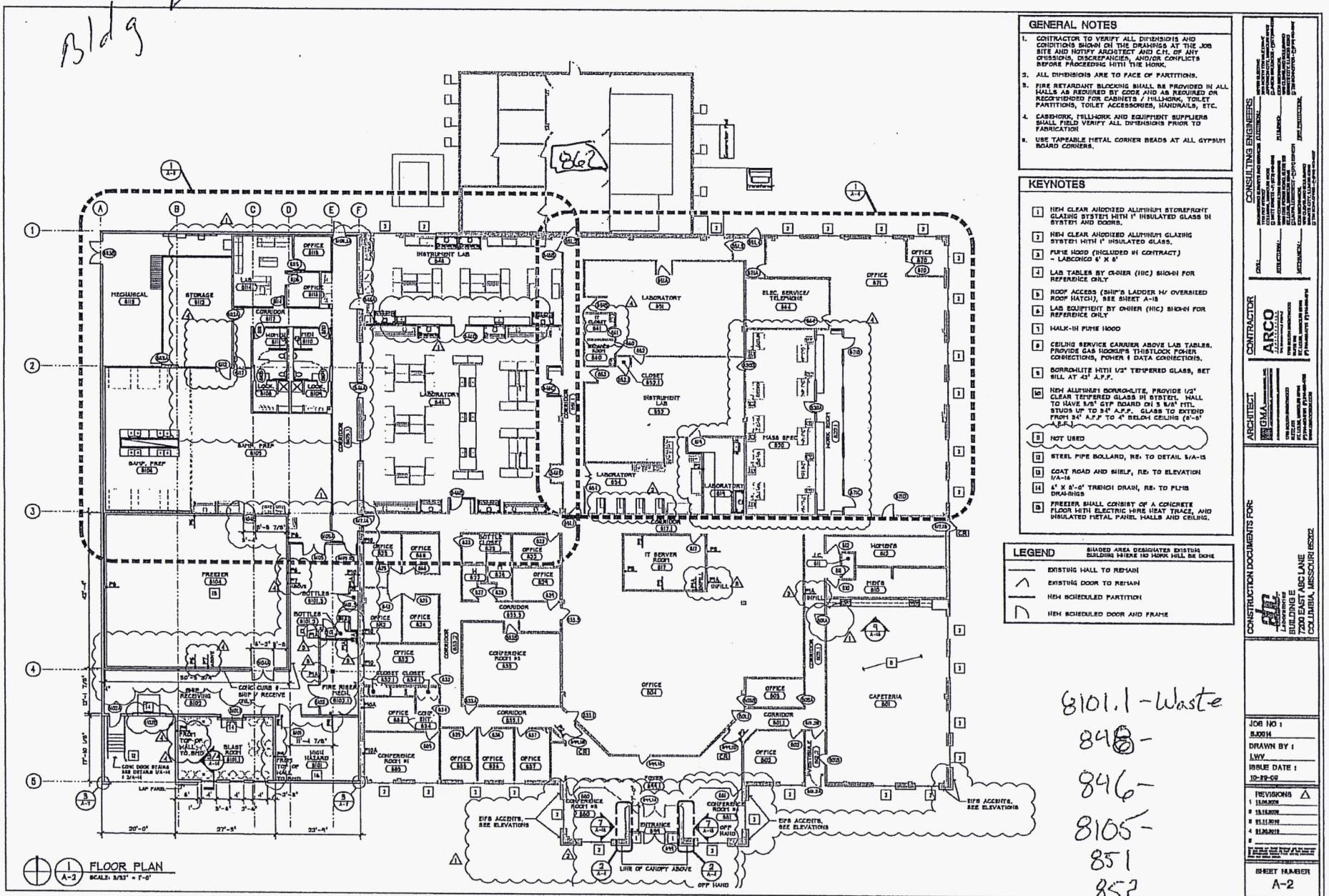
Our Radiation Safety Committee has reviewed and approved the new use of radioactive material in the designated laboratories in Building E. The Committee also approved the relocation of the radioactive waste storage area from Building F to Building E.

If you have any questions or need further information, please feel free to contact me at 573-777-6360.

Sincerely,

Elaine McCoy
Vice President Human Resources and EH&S
Interim Radiation Safety Officer

Bldg E



GENERAL NOTES

1. CONTRACTOR TO VERIFY ALL DIMENSIONS AND CONDITIONS SHOWN ON THE DRAWINGS AT THE JOB SITE AND NOTIFY ARCHITECT AND C.M. OF ANY OMISSIONS, DISCREPANCIES, AND/OR CONFLICTS BEFORE PROCEEDING WITH THE WORK.
2. ALL DIMENSIONS ARE TO FACE OF PARTITIONS.
3. FIRE RETARDANT BLOCKING SHALL BE PROVIDED IN ALL WALLS AS REQUIRED BY CODE AND AS REQUIRED OR RECOMMENDED FOR CABINETS / MILLWORK, TOILET PARTITIONS, TOILET ACCESSORIES, HANDRAILS, ETC.
4. CASEWORK, MILLWORK AND EQUIPMENT SUPPLIERS SHALL FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION
5. USE TAPEABLE METAL CORNER BEADS AT ALL GYPSUM BOARD CORNERS.

KEYNOTES

1. NEW CLEAR ANODIZED ALUMINUM STOREFRONT GLAZING SYSTEM WITH 1" INSULATED GLASS IN SYSTEM AND DOORS.
2. NEW CLEAR ANODIZED ALUMINUM GLAZING SYSTEM WITH 1" INSULATED GLASS.
3. FUME HOOD (INCLUDED IN CONTRACT) - LABCONCO 6' X 8'
4. LAB TABLES BY OWNER (NIC) SHOWN FOR REFERENCE ONLY
5. ROOF ACCESS (SHIP'S LADDER W/ OVERSIZED ROOF HATCH), SEE SHEET A-18
6. LAB EQUIPMENT BY OWNER (NIC) SHOWN FOR REFERENCE ONLY
7. WALK-IN FUME HOOD
8. CEILING SERVICE CARRIER ABOVE LAB TABLES. PROVIDE GAS HOOKUPS THISTLOCK POWER CONNECTIONS, POWER & DATA CONNECTIONS.
9. BORROWLITE WITH 1/2" TEMPERED GLASS, SET SILL AT 42" A.F.F.
10. NEW ALUMINUM BORROWLITE, PROVIDE 1/2" CLEAR TEMPERED GLASS IN SYSTEM. WALL TO HAVE 5/8" GYP BOARD ON 3 5/8" MTL STUDS UP TO 24" A.F.F. GLASS TO EXTEND FROM 24" A.F.F TO 4" BELOW CEILING (6'-8" A.F.F.)
11. NOT USED
12. STEEL PIPE BOLLARD, RE: TO DETAIL 5/A-15
13. COAT ROAD AND SHELF, RE: TO ELEVATION 1/A-16
14. 6" X 8'-0" TRENCH DRAIN, RE: TO PLMB DRAWINGS
15. FREEZER SHALL CONSIST OF A CONCRETE FLOOR WITH ELECTRIC WIRE HEAT TRACE, AND INSULATED METAL PANEL WALLS AND CEILING.

LEGEND

SHADED AREA DESIGNATES EXISTING BUILDING WHERE NO WORK WILL BE DONE

- EXISTING WALL TO REMAIN
- EXISTING DOOR TO REMAIN
- NEW SCHEDULED PARTITION
- NEW SCHEDULED DOOR AND FRAME

CONSULTING ENGINEERS

CONTRACTOR
ARCO

ARCHITECT
GMA

CONSTRUCTION DOCUMENTS FOR:
BUILDING E
7200 EAST ABC LANE
COLUMBIA, MISSOURI 65202

JOB NO : 8J0014
DRAWN BY : LWV
ISSUE DATE : 10-29-09

REVISIONS
1 12.04.2009
2 12.15.2009
3 01.11.2010
4 01.26.2010

SHEET NUMBER
A-2

8101.1 - Waste
848 -
846 -
8105 -
851
852
854
819
820

862
- Stability

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July 14, 2010

Nuclear Regulatory Commission
Materials Licensing Branch
US Nuclear Regulatory Commission, Region III
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4352

ATTN: Kevin Null

RE: Notification of the Ceasing of Activity in Building D

Mr. Null:

At the time Analytical Bio-Chemistry Laboratories made the decision to cease active use of Building D, we were unaware of the 60 day requirement to notify the NRC. At this time we are notifying you we have ceased active use of Building D. The decision to cease active use was made on November 16, 2009. Building D remained in operation until June 14, 2010.

If you have any questions or need further information, please feel free to contact me at 573-777-6360.

Sincerely,

Elaine McCoy
Vice President Human Resources and EH&S
Interim Radiation Safety Officer

From: Origin ID: COUA (573) 777-6040
Christy Stogsdill
ABC Labs
7200 E ABC Lane

Columbia, MO 65202

FedEx Express

J18201005258226

Ship Date: 28JUL10
ActWgt: 1.0 LB
CAD: 2281399/INET3060

Delivery Address Bar Code

SHIP TO: (630) 829-9500 **BILL SENDER**

Kevin Null
Nuclear Regulatory Commission
2443 WARRENVILLE RD STE 210

LISLE, IL 60532

Ref #
Invoice #
PO #
Dept # 710

TRK# 0201 7988 9282 1343

THU - 29 JUL A1
STANDARD OVERNIGHT

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