

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:

Analytical Bio-Chemistry Laboratories, Inc.
7200 E. ABC Lane
Columbia, MO 65202

REPORT NUMBER(S) 2015-001

2. NRC/REGIONAL OFFICE

Region III
U. S. Nuclear Regulatory Commission
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4352

3. DOCKET NUMBER(S)

030-05154

4. LICENSE NUMBER(S)

24-13365-01

5. DATE(S) OF INSPECTION

August, 19TH 2015

LICENSEE:

The inspection was an examination of the activities conducted under your license as they relate to radiation safety and to compliance with the Nuclear Regulatory Commission (NRC) rules and regulations and the conditions of your license. The inspection consisted of selective examinations of procedures and representative records, interviews with personnel, and observations by the inspector. The inspection findings are as follows:

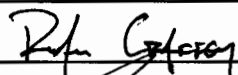
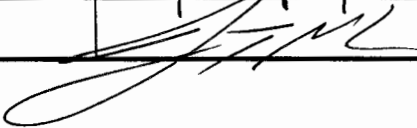
- ☒ 1. Based on the inspection findings, no violations were identified.
- ☒ 2. Previous violation(s) closed.
- ☐ 3. The violations(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is being taken, and the remaining criteria in the NRC Enforcement Policy, to exercise discretion, were satisfied.

Non-cited violation(s) were discussed involving the following requirement(s):

- ☐ 4. During this inspection, certain of your activities, as described below and/or attached, were in violation of NRC requirements and are being cited in accordance with NRC Enforcement Policy. This form is a NOTICE OF VIOLATION, which may be subject to posting in accordance with 10 CFR 19.11.
(Violations and Corrective Actions)

Statement of Corrective Actions

I hereby state that, within 30 days, the actions described by me to the Inspector will be taken to correct the violations identified. This statement of corrective actions is made in accordance with the requirements of 10 CFR 2.201 (corrective steps already taken, corrective steps which will be taken, date when full compliance will be achieved). I understand that no further written response to NRC will be required, unless specifically requested.

TITLE	PRINTED NAME	SIGNATURE	DATE
LICENSEE'S REPRESENTATIVE			
NRC INSPECTOR	Ryan Craffey		8/19/15
BRANCH CHIEF	Aaron McCraw		8/20/15

Docket File Information

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3. DOCKET NUMBER(S) 030-05154	4. LICENSE NUMBER(S) 24-13365-01	5. DATE(S) OF INSPECTION August 19, 2015
6. INSPECTION PROCEDURES USED 87125, 87126	7. INSPECTION FOCUS AREAS All	

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 03610	2. PRIORITY 3	3. LICENSEE CONTACT Heidi Dixon-White - RSO	4. TELEPHONE NUMBER (573) 777-6146
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☒ Main Office Inspection Next Inspection Date: 08/19/2018

☒ Field Office Inspection 4780 Discovery Drive, Columbia, MO

☐ Temporary Job Site Inspection _____

PROGRAM SCOPE

This was an unannounced routine inspection of a contract research organization authorized to use byproduct material for research, development, and radiochemical synthesis at its two facilities in Columbia, Missouri. At the time of the inspection, the licensee used C-14 almost exclusively at both facilities, primarily for agricultural research. The licensee conducted radiochemical synthesis and metabolism studies at ABC Lane, and had recently relocated some of its metabolism studies to Discovery Drive. The licensee also possessed three generally-licensed Ni-63 sources in electron capture detectors between the two locations. The RSO and her assistant were based at the ABC Lane address.

PERFORMANCE OBSERVATIONS

The inspector toured the ABC Lane and Discovery Drive locations to evaluate the licensee's measures for materials security, hazard communication and exposure control. The inspector conducted independent surveys of the facilities and found no evidence of residual contamination or exposures to members of the public in excess of regulatory limits. The inspector observed the use of radioactive material for metabolism studies and radiochemical synthesis, and interviewed a number of authorized users to discuss the safe use of radioactive material, including shipping and receiving, contamination control, waste handling, and emergency response. The inspector also discussed material accountability, bioassays and area surveys with the RSO. Through these observations and discussions, the inspector found the licensee's staff to be knowledgeable of radiation protection principles and licensee procedures. The inspector also verified the licensee's inventory of unsealed material at the main synthesis laboratory.

The inspector reviewed a selection of licensee records, including Radiation Safety Committee meeting minutes, recently approved permits, annual ALARA audits, material accountability logs, sealed source leak tests, weekly bioassay results, and area survey results.

The licensee was previously cited in IR 03005154/2012001 for one violation regarding the failure to conduct leak tests of generally-licensed devices at the required intervals. The inspector reviewed the licensee's corrective actions, which appeared to be adequate, and found the violations to be non-recurring. Therefore, the NRC considers these violations to be closed. No other violations of NRC requirements were identified as a result of this inspection.