

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

<p>1. LICENSEE/LOCATION INSPECTED:</p> <p>Chase Environmental Group, Inc. 11450 Watterson Court Louisville, KY 40299</p> <p>REPORT NUMBER(S) 15000016/2019002</p>	<p>2. NRC/REGIONAL OFFICE</p> <p>Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352</p>	
<p>3. DOCKET NUMBER(S)</p> <p>15000016 (KY)</p>	<p>4. LICENSE NUMBER(S)</p> <p>201-605-15 (KY)</p>	<p>5. DATE(S) OF INSPECTION</p> <p>February 13 - March 6, 2019</p>

**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:

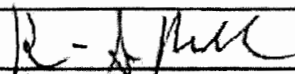
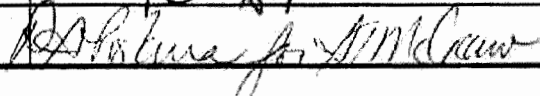
- 1. Based on the inspection findings, no violations were identified.
- 2. Previous violation(s) closed.
- 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is 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	Kevin G. Null		03/07/2019
BRANCH CHIEF	Aaron T. McCraw		3/12/19

**Docket File Information**

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6. INSPECTION PROCEDURES USED  87104	7. INSPECTION FOCUS AREAS  03.01 - 03.02
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**SUPPLEMENTAL INSPECTION INFORMATION**

1. PROGRAM CODE(S)  3900	2. PRIORITY  5	3. LICENSEE CONTACT  Dave Culp, Project Manager	4. TELEPHONE NUMBER  (865) 207-3664
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Main Office Inspection                      Next Inspection Date:                      N/A

Field Office Inspection

Temporary Job Site Inspection    2200 W Salsburg Rd., Auburn, MI

**PROGRAM SCOPE**

This was an announced inspection of decontamination and decommissioning activities that were being performed by Chase Environmental Group (CEG), a Kentucky licensee. The work was being conducted under reciprocity for the Dow Chemical Company (DCC), an NRC licensee located in Auburn, Michigan. At the time of the inspection, CEG was characterizing one of DCC's research buildings. There were approximately 18 research laboratories where carbon-14 and hydrogen-3 was used for in vitro research over last 10 years. One laboratory was a radiosynthesis laboratory where up to 1 curie of carbon-14 had been used. Microcurie and millicurie quantities of carbon-14 and hydrogen-3, as well as short-lived nuclides including iodine-125, phosphorus-32, sulfur-35, and chromium-51, were used in the other laboratories. Based on CEG's historical site assessment of the building, they concluded that carbon-14 and hydrogen-3 were the only nuclides of concern. The last use of any licensed material was in 2018. CEG submitted a radiological work plan to Region I on February 5, 2019, and NRC Form 241 for reciprocity work to be conducted under its Kentucky materials license.

**Performance Observations**

The inspector interviewed Kelly Wegener, RSO and representative for DCC, and Dave Culp, Field Services Manager for CEG. The inspector toured the vacant building and select laboratories where CEG staff were conducting characterization surveys, and observed a CEG staff member perform laboratory surveys with a gas flow proportional floor monitor. CEG will be developing a decommissioning plan for submittal to the NRC once they complete their characterization survey. At the time of the inspection, CEG was staffed by one project manager and two radiation safety technicians.

The inspector noted that CEG possessed 3 exempt quantity sealed sources that were use for instrument detector response checks. The inspector also noted adequate provisions for security of the vacant building and laboratories, and proper area postings including NRC notice to employees, CEG's Kentucky license, and NRC Form 241. The inspector observed a CEG radiation safety technician wearing protective clothing and whole body dosimetry while conducting floor monitoring.

No violations of NRC requirements were identified.