

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:

General Motors, LLC
Research and Development Center
Mail Code 480-106-160
30500 Mound Road
Warren, MI 48090-9055
REPORT NUMBER(S) 2010-001

2. NRC/REGIONAL OFFICE

U.S. Nuclear Regulatory Commission
Region III
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4351

3. DOCKET NUMBER(S)

030-04779

4. LICENSEE NUMBER(S)

21-00016-04

5. DATE(S) OF INSPECTION

December 17, 2010

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, NUREG-1600, 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. This form is a NOTICE OF VIOLATION, which may be subject to posting in accordance with 10 CFR 19.11

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	Deborah A. Piskura	<i>Deborah A. Piskura</i>	12/17/2010
Branch Chief	Tamara E. Bloomer	<i>Tamara E. Bloomer</i>	12/21/10

Docket File Information
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1. LICENSEE General Motors, LLC Research and Development Center Mail Code 480-106-160 30500 Mound Road Warren, MI 48090-9055 REPORT NUMBER(S) 2010-001		2. NRC/REGIONAL OFFICE U.S. Nuclear Regulatory Commission Region III 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4351	
3. DOCKET NUMBER(S) 030-04779	4. LICENSE NUMBER(S) 21-00016-04	5. DATE(S) OF INSPECTION Dec. 17, 2010	
6. INSPECTION PROCEDURES 87126	7. INSPECTION FOCUS AREAS 03.01-03.08		

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM 03610	2. PRIORITY 3	3. LICENSEE CONTACT Eric W. Schneider, Ph.D., RSO	4. TELEPHONE NUMBER 586-986-0842
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- Main Office Inspection Next Inspection Date: Dec. 2013
 Field Office Inspection
 Temporary Job Site Inspection _____

PROGRAM SCOPE

The General Motors Company Research and Development Center employed 6,000 individuals at its Warren, Michigan, Technical Center. The company operated a small, non-medical broad scope program with three individuals acting as "authorized users." Licensed material was used for laboratory research and development in 6 labs. Licensed material was used in experiments related to automotive engine performance. At the time of this inspection, the uses were limited to activated piston rings and Br-82 labeled engine oil. The company possessed numerous sealed sources; however the majority of the sources had not been used for several years and maintained in secured storage.

This inspection consisted of a tour of selected research labs, the radioactive waste storage areas and the source storage rooms; review of selected records; interviews with licensee staff; confirmatory inventory of selected sources; and independent radiation measurements.

1594