

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:

National Aeronautics & Space Administration
John H. Glenn Research Center at Lewis Field
21000 Brookpark Road
Cleveland, OH 44135

2. NRC/REGIONAL OFFICE

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

REPORT NUMBER(S): 11-01

3. DOCKET NUMBER(S)
030-05626

4. LICENSEE NUMBER(S)
34-00507-16

5. DATE(S) OF INSPECTION
01/28/2011

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

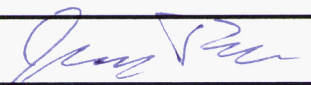
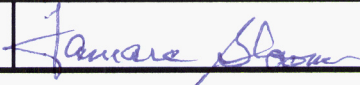
_____ Non-cited violation(s) were discussed involving the following requirement(s):



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	Jeremy Tapp		2/3/2011
Branch Chief	Tamara E. Bloomer		2/3/11

Docket File Information
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6. INSPECTION PROCEDURES 87104	7. INSPECTION FOCUS AREAS Cyclotron Characterization Activities
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SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM 3620	2. PRIORITY 5	3. LICENSEE CONTACT Christopher Blasio	4. TELEPHONE NUMBER 216-433-6520
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☐ Main Office Inspection

☒ Field Office Inspection Cyclotron

☐ Temporary Job Site Inspection _____

Next Inspection Date:

PROGRAM SCOPE

The licensee's cyclotron is currently shutdown and has been since the early 1990s. The cyclotron material transferred to NRC's jurisdiction when the NARM rule came into effect and the licensee has been working towards decommissioning of the cyclotron facility since that time. The licensee has been characterizing the building surfaces, soil above the underground cyclotron bunker, and the equipment and materials in the cyclotron facility. These activities include surveying, soil sampling, performing core bores of concrete, metal sampling, and removal of interferences incident to an adequate characterization of the facility. The end goal of the characterization is to determine what the levels of residual radioactivity are for the building and soils in order to reach a conclusion on the need for a Decommissioning Plan or site specific dose model to eventually release the cyclotron facility for unrestricted use.

Performance Observations

The inspectors toured the facility and verified all radiation boundaries and postings were clearly visible. In addition, the postings were verified with an NRC survey instrument to ensure they met NRC requirements. The inspectors observed the licensee take a concrete core bore in the floor. The workers were signed in under the applicable Radiation Work Permit and followed the requirements of it. The licensee used appropriate techniques to substantially reduce the potential for airborne radioactivity and a breathing zone air sampler was worn by one of the workers performing the core bore, as required. The licensee also implemented appropriate controls on the wastes produced by the activity by segregating them until the residual radioactivity levels were determined of the concrete core bore and could then be applied to the wastes.