

September 29, 2011

Mr. Ramon Lugo, III
Director
NASA Glenn Research Center at Lewis Field
21000 Brookpark Road M.S. 3-2
Cleveland, OH 44135

SUBJECT: NASA PLUM BROOK REACTOR FACILITY MASTER INSPECTION
PLAN – FISCAL YEAR 2012

Dear Mr. Lugo:

In accordance with the U.S. Nuclear Regulatory Commission (NRC) Inspection Manual, Chapter 2545, "Research and Test Reactor Inspection Program," the NRC Region III staff and management have developed a Master Inspection Plan (MIP) for the Plum Brook Reactor. The plan is based on your current performance and schedule of significant decommissioning activities planned for the site for the period of October 2011 through December 2012. The plan outlines how we intend to focus our regional inspection resources to address significant ongoing decommissioning activities.

Because this MIP is based, in part, on your proposed schedule of significant decommissioning activities for fiscal year (FY) 2012, the plan and the focus of NRC inspection activities may change to reflect a change in your planned decommissioning activities or your performance. In order to ensure that this remains current, we request that you keep the Materials Control, ISFSI, and Decommissioning Branch staff informed of any significant changes in your proposed schedule of decommissioning activities. You will be informed of any significant changes to the Plum Brook Reactor Inspection Schedule.

We currently project the region will conduct one inspection at the Plum Brook Reactor through December 2012. We are planning the inspection to coincide with the final status surveys related to the remaining open land areas. Additional inspections may be warranted, depending on decommissioning activities. The following is a list of the inspection procedures we expect to use during our inspections. The specific procedures used during each inspection will depend on the specific decommissioning activities being conducted.

Inspection Procedure

IP 69013
IP 83801

Inspection Procedure Title

Research and Test Reactor Decommissioning
Inspection of Final Surveys of Permanently
Shutdown Reactors

R. Lugo

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In accordance with Title 10 of the Code of Federal Regulations (CFR) 2.390 of the NRC's "Rules of Practice," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the NRC's Agencywide Documents Access and Management System (ADAMS), accessible from the NRC website at <http://www.nrc.gov/reading-rm/adams.html>.

We will gladly discuss any questions you may have regarding these inspection plans. If you have questions, please contact Mr. Jeremy Tapp of my staff at (630) 829-9862.

Sincerely,

/RA/

Christine A. Lipa, Chief
Materials Control, ISFSI, and
Decommissioning Branch
Division of Nuclear Materials Safety

Docket Nos. 50-30 and 50-185
License Nos. TR-3 and R-93

cc: Radiation Health Program Director, Ohio Department of Health (ODH)
S. Helmer, ODH
M. Rubadue, ODH
Ohio Environmental Protection Agency, Division of Planning
K. Peacock, NASA, Plum Brook Station

R. Lugo

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Division of Nuclear Materials Safety

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cc: Radiation Health Program Director, Ohio Department of Health (ODH)
S. Helmer, ODH
M. Rubadue, ODH
Ohio Environmental Protection Agency, Division of Planning
K. Peacock, NASA, Plum Brook Station

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