

National Aeronautics and
Space Administration

John H. Glenn Research Center
Lewis Field
Plum Brook Station
Sandusky, OH 44870



October 27, 2010

Reply to Attn of: QD

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D.C. 20555

Subject: Revised Final Status Survey Report, Attachments 1, 2, 3, 5, and 6, for the Plum Brook Reactor Facility, Licenses Nos. TR-3, Docket No. 50-30 and R-93, Docket No. 50-185

As a result of comments from the NRC Staff received via electronic mail on September 16, 2010, we have revised the previously submitted Attachments 1, 2, 3, 5, and 6 of the Final Status Survey Report for the Plum Brook Reactor Facility.

Our written response to the staff's comments was submitted under a separate cover letter dated October 25, 2010. Enclosed for your review are the revised attachments incorporating our responses to your comments.

Should you have any questions or need additional information, please contact me at NASA Plum Brook Station, 6100 Columbus Avenue, Sandusky, Ohio 44870, or by telephone at (419) 621-3277.

Sincerely,

A handwritten signature in black ink, appearing to read "Keith M. Peacock", with a long horizontal line extending to the right.

Keith M. Peacock
NASA Decommissioning Program Manager

Enclosures (5)

1. Plum Brook Reactor Facility Final Status Survey Report, Attachment 1, Reactor Office and Laboratory Building, Revision 1, dated October 25, 2010
2. Plum Brook Reactor Facility Final Status Survey Report, Attachment 2, Service and Equipment Building (Building 1131), Revision 1, dated October 25, 2010
3. Plum Brook Reactor Facility Final Status Survey Report, Attachment 3, Fan House (Building 1132), Revision 1, dated October 25, 2010
4. Plum Brook Reactor Facility Final Status Survey Report, Attachment 5, Hot Retention Area (Building 1155), Revision 1, dated October 25, 2010
5. Plum Brook Reactor Facility Final Status Survey Report, Attachment 6, Waste Handling Building (Building 1133), Revision 1, dated October 25, 2010

NMSS01
FSME

cc:

USNRC/C. J. Glenn (FSME) – CDROM Copy

USNRC/J. Webb (FSME) – CDROM Copy

USNRC/J. Tapp RIII/DNMS/DB – CDROM Copy

ODH/M. J. Rubadue – CDROM Copy