

National Aeronautics and
Space Administration

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



Reply to Attn of: 7030

September 8, 1999

U.S. Army Engineer District, Louisville
Corps of Engineers
DERP Section
Attn: Mr. Douglas Meadors
P.O. Box 59
Louisville, Kentucky 40201-0059

Subject: Draft Site Investigation Report

Enclosed please find my comments on the Draft Site Investigation (SI) Report for the Pentolite Area Waste Lagoons (PAWL) site at the former Plum Brook Ordnance Works.

If you have any questions regarding my comments, please feel free to contact me at (419) 621-3234.

A handwritten signature in black ink, appearing to read "Keith M Peecook". The signature is fluid and cursive, with a long horizontal stroke at the end.

Keith M Peecook
Environmental Manager

Enclosure

Cc: Mr. Richard Meadows

Comments on Draft Final Report for the former Plum Brook Ordnance
Works Pentolite Area Waste Lagoons, August 1999

1. **Page 1, Section 2.1, First paragraph, Second sentence (begins “The PBS facility...”).**

This sentence is in error. PBS does not occupy a majority of Perkins Township, more like 25%. Also, there are two other townships that PBS overlaps. Recommended correction would be to replace the current sentence with:

“The PBS facility, formerly Plum Brook Ordnance Works (PBOW), occupies 6,400 acres of land belonging to Perkins, Huron, Milan, and Oxford Townships, and is located approximately four miles south of Sandusky, Ohio.”

2. **Page 2, Section 2.3**

This paragraph is in error. The entire Plum Brook Reactor Facility was specifically graded so that all surface water would flow into a series of catchbasins, all of which fed into the Water Effluent Monitoring System. This single outfall from the entire 27-acre site is located in the southeast corner of the fenced in area. From here the water is discharged into Pentolite Ditch, which runs east to Plum Brook. The point at which Pentolite Ditch enters Plum Brook is just upstream of our NPDES monitoring station for Plum Brook, prior to it leaving the PBS boundary. Plum Brook flows north from here to end up in Sandusky Bay.

Note that the following locations in the report are also in error:

- Page 7, Section 2.6.2.2, Second paragraph
- Page 12, Section 5.1

3. **Page 4, Section 2.6.1, last line on the page**

Change “NASA Lewis Research Center” to “NASA Glenn Research Center”. This change was official on March 1, 1999.

4. **Page 5, Section 2.6.1, Second line on page**

Change “westernmost” to “southernmost”.

5. **Appendices**

The following changes would make the appendices more useful:

Appendix B – Label the figures so that it is clear which is 1959 and which is 1969.

Appendix C, D, and E – Provide the reader a better orientation to the maps given in these appendices by superimposing an outline of the PBS boundary, or at least indicate the exact location on these figures of the PAWL .

6. General comment

There are construction photos of the PBRF, circa 1958, that clearly show that the PAWL concrete liners are missing, leaving two irregularly shaped shallow excavations. Access to these photos was made available to the ACE during their fieldwork in June, but they were not examined. After reviewing the existing report they would certainly seem to be a lot more relevant than some of the included illustrations.