

CELRN-EP-R-M

21 January 1998

QUALITY ASSURANCE (QA) PLAN FOR
RISK ASSESSMENT AND DIRECT PUSH INVESTIGATION
FOR RED WATER PONDS AREA
AT THE FORMER PLUM BROOK ORDNANCE WORKS
SANDUSKY, OHIO

1. This QA Plan covers the work to be performed under Delivery Order No. 0031 with IT Corporation under Indefinite Delivery Contract No. DACA62-94-D-0030. The award was made on 6 November 1997 with 1st quarter funds.

2. Reference the Final Quality Control Plan, dated 8 January 1998, that was prepared by IT Corporation. A draft of this document was reviewed by both CELRN-EP-R-M and CELRN-EP-R-D. Comments were incorporated by the A-E.

3. CELRN-EP-R is doing this project under the DERP FUDS Program.

4. The CELRN-EP-R Project Team is as follows:

- Linda Ingram, Technical Manager, EP-R-M, GS 12
 - Doug Mullendore, Chemical Engineer and POC for EP-R-D, GS 12
 - Jim Beaujon, Geologist, EP-R-D, GS 11
 - Becky Terry, Chemist, EP-R-D, GS 12
 - Lannae Long, Risk Assessment, EP-R-D, GS 12
- Other personnel will be used as needed.

5. These items listed below are the general procedures that were/will be followed in-house to obtain a quality product.

a. Prior to preparation of the Scope of Work, CELRN-EP-R-D reviewed any existing documents that contained information about the Red Water Ponds Area and discussed with IT Corporation as needed.

b. CELRN-EP-R-D prepared the Scope of Work. It was reviewed by an in-house Technical Review Team and by the HTRW-CX. The HTRW-CX comments were not received until after award of the Delivery Order. All of these comments have been incorporated/resolved. Documentation of this QC process is on file in CELRN-EP-R-M.

c. This is a Category "A" project and will not be supplied to the HTRW-CX for review.

d. Draft Work Plans will be reviewed by CELRN-EP-R-D, NASA Plum Brook Station, and Ohio EPA. They will be furnished to CELRH and the HTRW-CX for information only. The review will be handled by CELRN-EP-R-M. The comments will be discussed and resolved with the reviewers as needed. All comments will be responded to in the Final Work Plans.

e. QA on analytical work will be performed by the U.S. Army Corps of Engineers, Northwest Division Laboratory.

f. CELRN-EP-R-D personnel will be present for field work unless it is determined that it is not necessary at all times.

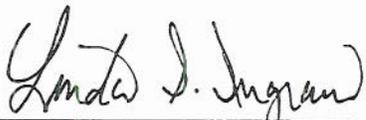
g. The Draft Report will be reviewed by CELRN-EP-R-D, NASA Plum Brook Station, and Ohio EPA. It will be furnished to CELRH and the HTRW-CX for information only. The review will be handled by CELRN-EP-R-M. All comments will be addressed in the Final Report.

h. This project will be included in the Plum Brook Fact Sheet that is prepared each month. Also, the project will be reviewed in the Monthly ERC Project Meetings between EP-R-M and EP-R-D. The LRH Project Manager, Dianne Folk, will be kept informed and will be furnished a copy of all submittals. The role of LRH is as a Project Manager function rather than a technical function.

6. Information on schedule and budget can be found in the Monthly Fact Sheet.

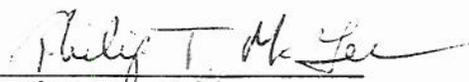
7. At the completion of the project, a final project verification will occur.

Encl. as stated



Linda S. Ingram
Technical Manager, CELRN-EP-R-M

23 JAN 1998
Date

for 

John W. Hall
Chief, CELRN-EP-R-M

23 Jan 1998
Date