



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION VII
901 NORTH 5TH STREET
KANSAS CITY, KANSAS 66101

MAY 03 2006

MEMORANDUM

SUBJECT: Quality Assurance Project Plan for a Preliminary Assessment for the Ottumwa (ex) Naval Air Station Site; Ottumwa, Iowa – Approved with Comment

FROM: Diane Harris *Diane Harris*
Regional Quality Assurance Manager
ENSV/DISO

TO: Ron King
EPA Task Monitor
SUPR/EFLR

The review of the subject document dated March 30, 2006 and prepared by Tetra Tech EM Inc. has been completed according to "EPA Requirements for Quality Assurance Project Plans for Environmental Data Operations," EPA QA/R-5 March 2001.

Based on the comments below, the document is approved with comment. Although the document satisfactorily addresses most of the key issues minor issues were noted. These issues do not have an impact on the approval of the document, but are noteworthy of pointing out for the record.

General Comments

1. § 2.5 Quality Control Requirements, page 3. The RPD for field duplicates will be calculated to determine total method precision. The method precision criteria will be used to evaluate the RPD as you confirmed in a phone conversation on 05/02/06
2. Table 1: Sample Summary, page 5.
 - a) As noted here and on page 6 in Appendix A, seven out of the 10 soil locations will include samples collected at the deeper level of 10-12 ft. Because only a subset of the total soil locations will include the additional samples, it would be helpful to include a brief statement explaining why those seven locations were chosen. If the seven locations will be selected out in the field, the QAPP should describe how the selection will be made and who will be responsible.

- b) In several places, Table 1 references SOP 3135.09B for the analysis of perchlorate in soil. Please note the title of this SOP on the R7 SOP list which only mentions analysis of perchlorate in water is incorrect; the RLAB Method 3135.09B has been updated to include the soil matrix.
3. Figure 2. The proposed sampling location map refers to “surface” soil sample locations; however, the QAPP does not seem to include surface soil samples (which are typically defined as 0-6 inches.) As you indicated in a phone conversation on 05/02/06, the term “surface soil” is being used liberally to actually indicate the 0-2ft. zone; no samples will be collected from surface soil (i.e., 0-6 inches).

If you have any questions, please contact me at x7258.

R7QAO Document Number: 2006099