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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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

2001 FEB 19 A 11: 37

DEPT. OF
NATURAL RESOURCES

February 6, 2001

Mr. Stuart Schmitz
Program Supervisor, Contaminated Sites
Iowa Department of Natural Resources
Wallace State Office Building
502 East 9th St.
Des Moines, Iowa 50319

RE: Comments on Farmington Public Water Supply Site Specific Addendum dated July 17, 2000.

Dear Mr. Schmitz:

Enclosed is a copy of the comments provided by Bob Dona (dated February 1, 2001), on his review of the Site Specific Addendum for the Farmington Water Supply Site, Farmington Iowa. Please review these comments/deficiencies and correct them on future site specific addendums for pre-remedial site assessment work

Please contact me at (913) 551-7818 if you have any questions regarding this review. You may also contact Bob Dona directly at (913) 551-7707.

Sincerely,

Donald F. Hamera
Site Assessment Manager, Iowa
Enforcement/Fund-Lead Removal Program
Superfund Division

Enclosure

RECYCLE
PAPER CONTAINS RECYCLED FIBERS

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION VII
901 NORTH 5TH STREET
KANSAS CITY, KANSAS 66101

FEB 0 1 2001

MEMORANDUM

SUBJECT: Review of IDNR Site-Specific Addendum

FROM: Robert B. Dona, Superfund Quality Assurance Coordinator
SUPR/STAR

TO: Donald Hamera, Iowa Site Assessment Manager,
SUPR/ER&R

I have reviewed the Site-Specific Addendum for the generic Contaminated Sites Section Quality Assurance Project Plan (QAPP) for the Farmington Public Water Supply dated July 17, 2000, It has been reviewed for adequacy and completeness in accordance with the generic QAPP dated May 18, 2000.

Although the addendum satisfactorily addressed most of the key issues, two deficiencies were noted. These deficiencies do not have a direct impact on the quality of the data, but are noteworthy of pointing out for the record.

1. Sections 1.1.and 1.2 were intended to include the names of the individuals who occupied the listed positions.

2. Section 2.1 refers to an attached map which was not included.

If you have any questions, please call me at 913-551-7707.

Attachment: QAPP Addendum

QAC Document No. S1038

RECEIVED
JAN 17 2001
SUPERFUND DIVISION

STATE OF IOWA

DEPARTMENT OF NATURAL RESOURCES

THOMAS J. VILSACK, GOVERNOR
SALLY J. PEDERSON, LT. GOVERNOR

LYLE W. ASELL, INTERIM DIRECTOR

January 9, 2001

Mr. Glenn Curtis
Superfund Division
Environmental Protecion Agency – Region VII
901 North 5th Street
Kansas City, KS 66101

RE: Site Specific Addendum to Generic QAPP

Dear Mr. Curtis:

Attached to this letter is an example of a Site-Specific Addendum to our generic Quality Assurance Project Plan (QAPP), as requested at the meeting on December 13, 2000 at the Iowa Department of Natural Resources. This example was prepared for a PA/SI completed for the Farmington Public Water Supply project in July 2000. This gives you an example of how we are applying the QAPP to our projects in Iowa.

Please contact me if you need any further information.

Sincerely,

Stuart C. Schmitz, P.E.
Supervisor, Contaminated Sites Section
Tel. 515-242-5241
Fax. 515-281-8895
Email: stuart.schmitz@dnr.state.ia.us

SITE-SPECIFIC ADDENDUM
for the
GENERIC
CONTAMINATED SITES SECTION
QUALITY ASSURANCE PROJECT PLAN

PROJECT INFORMATION:

Site Name: Farmington Public Water Supply	Project Manager: Lambert Nnadi
City: Farmington	County: Van Buren

APPROVALS:

Susan Dixon
IDNR, Acting Land Quality Bureau Chief
Acting Bureau QA Officer

7/17/00
Date

Susan Dixon
IDNR, Contaminated Sites Supervisor

7/17/00
Date

1. PROJECT MANAGEMENT

1.1 Distribution List

Project Manager:
Field Personnel:
Contaminated Sites Section Supervisor:
Land Quality Bureau Chief:

1.2 Project /Task Organization

IDNR Project Manager:

IDNR QA Officer:

1.3 Problem Definition/Background

This is a site-specific addendum for the generic *Quality Assurance Project Plan for the IDNR Land Quality Bureau Contaminated Sites Section,* dated July 2000. This addendum describes the specific sampling activities for the site described below.

Site Location and Size:

The site is situated at 507/509 Walnut Street, Farmington, Iowa. The area is approximately an acre.

Important Physical Features:

The site is situated in the Des Moines River flood plain. A drainage ditch runs in a southwesterly-northwesterly direction. This ditch is capable of transporting contaminants off-site.

Chronological Site History:

The former Denly Agri Service site has been used by various chemical companies, starting as far back as in the early 1970s. Kaiser Estech chemical division is reported to have owned and operated at the site until 1979. The site was then acquired by Perkins; Perkins then sold it to Eating. More recently, Perkins and Burkett owned and operated the facility from some time in the mid to late 1980s until approximately 1994. It was later leased by Denly Agri Services but reverted back to Mr. Burkett in the late 1990s.

1.4 Project/Task Description

Phase of Work: ☐ ISS ☐ ESS ☐ PA ☐☒ PA/SI
☐ PA/SI RSE

Schedule:

Field work	July 24-25, 2000
Laboratory analysis	July 26-August 18. 2000
Report writing	July 26 –August 31, 2000
In-house review	September 1-15, 2000
Final report	September 15-30

Quality Objectives and Criteria for Measurement Data

Per the Generic QAPP: ☐☒ Yes ☐ No (Describe below)
Other:

1.5 Special Training

Per the Generic QAPP.

1.6 Documentation and Records

Per the Generic QAPP.

2. MEASUREMENT AND DATA ACQUISITION

2.1 Sampling Process Design

Samples will be collected based on historical information and in a randomized design.

Description of Sampling Design:
Soil samples will be collected from 0-6 inch layer and from 24-48 inch layer at each sampling location (See attached map). For each layer at each sampling location, samples will be collected from within one-foot area, placed in a clean plastic bucket and thorougly mixed. Subsamples will be taken from the bucket and placed in two separate pint teflon-lined bottles for chlorinated pesticide/Iowa common pesticide and acid pesticide analyses. A third subsample will be collected for ammonia and nitrate nitrogen.

2.2 Sample Methods Requirements

Matrix	Sampling Method
Eg: Soil	*Geoprobe Dual Tube Soil Sampling System SOP*
Soil	0-6 inch layer: hand auger
Soil	24-48 inch layer: Geoprobe macro-core soil sampler

2.3 Sample Handling and Custody Requirements

Per the Generic QAPP.

2.4 Analytical Methods Requirements

Media Sampled	Analytical Parameter	Analytical Method	Sample Container	Sample Preservation	Special Handling
Eg: Groundwater	*Metals*	*EPA 200.9*	*500 ml plastic*	*4 ml 1:1 HNO_3*	*Cool 4 ° C*
Soil	ammonia	-	8 oz plastic		Cool to 4° C
Soil	nitrate	353.3	8 oz plastic		Cool to 4° C
Soil	List SC3	525.1, 505	1 pint glass		Cool to 4° C
Soil	List SC4	507	1 pint glass		Cool to 4° C

2.5 Quality Control Requirements

QC Sample	Number to be Collected	Location(s)
Eg: Groundwater- Field Duplicate	*1*	*Historical AST location (MW-1).*
Soil - Upgradient	1	North of site (S-!)

Soil - Off-site location	1	South of site (S-14)

2.6 Instrument/Equipment Testing, Inspection, and Maintenance Requirements

Per the Generic QAPP.

2.7 Inspection/Acceptance Requirements for Supplies and Consumables

Per the Generic QAPP.

2.8 Data Acquisition Requirements

Per the Generic QAPP.

2.9 Data Management

Per the Generic QAPP.

3. ASSESSMENT/OVERSIGHT

All assessment and oversight activities are in accordance with the Generic QAPP.

4. DATA VALIDATION AND USABILITY

All data validation will be in accordance with the Generic QAPP.