



Department of Energy

**Ohio Field Office
Fernald Area Office**

P. O. Box 538705
Cincinnati, Ohio 45253-8705
(513) 648-3155



2041

**MAY 27 1998
DOE-0818-98**

**Mr. James A. Saric, Remedial Project Manager
U.S. Environmental Protection Agency
Region V-SRF-5J
77 West Jackson Boulevard
Chicago, Illinois 60604-3590**

**Mr. Tom Schneider, Project Manager
Ohio Environmental Protection Agency
401 East 5th Street
Dayton, Ohio 45402-2911**

Dear Mr. Saric and Mr. Schneider:

TRANSMITTAL OF VARIANCES TO PROJECT SPECIFIC PLANS

This letter transmits for your records, variances to the following Project Specific Plans (PSP): PSP for Lead Delineation in the Area 2 Phase 1 Firing Range; PSP for Sampling of Soil Stockpile 5 for On-Site Disposal Facility (OSDF) Waste Acceptance Criteria (WAC) Attainment; Area 8 Phase 1 Certification Sampling, Rev 1; and the Certification of Area 1 Phase II Sector 1, Sector 2A, and Conveyance Ditch, Rev 2. The variances do not involve a significant change in scope.

If you have questions or comments regarding these variances, please contact Kathleen Nickel at (513) 648-3166.

Sincerely,

**Johnny W. Reising
Fernald Remedial Action
Project Manager**

FEMP:Nickel

Enclosure: As Stated

cc w/enc:

T. Schneider, OEPA-Dayton (total of 3 copies of enc.)
F. Barker, Tetra Tech
AR Coordinator, FDF/78

cc w/o enc:

A. Tanner, DOE-FEMP
EDC, FDF/52-7

TRANSMITTAL
ECDC PROJECT DOCUMENT CONTROL

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108620
JARR5585

To: NICKEL, KATHLEEN A
Control No: INFO
Location/Mail Stop: 45

Date: 05/11/98

From: ECDC

FOLLOW INSTRUCTIONS BELOW
APPROVED VARIANCE/ 21010

Project	CWO	Document No	Rev	Title of Document	Comments
21010 VARIANCE		50.03.74.02-1	0	AREA 8, PHASE I CERTIFICATION SAMPLING , REV 1	INFORMATION ONLY
21010 VARIANCE		50.03.74.02-2	0	AREA 8, PHASE I CERTIFICATION SAMPLING , REV 1	INFORMATION ONLY
21010 VARIANCE		50.03.74.02-3	0	AREA 8, PHASE I CERTIFICATION SAMPLING , REV 1	INFORMATION ONLY

As a controlled document holder, you are required to destroy any old revisions of this document. Sign and date below, verifying receipt of these documents. **Return this record of receipt to ECDC PROJECT DOCUMENT CONTROL, 52-7.** Return receipt within ten (10) days of transmittal date.

Signature

Date

IF TERMINATION OR TRANSFER OCCURS, NOTIFY ECDC PROJECT DOCUMENT CONTROL AT
4481

VARIANCE / FIELD CHANGE NOTICE

V/F 50.03.74.02-1

WBS NO.: 50.03.74.02

Page 1 of 1

PROJECT TITLE: PSP for Area 8, Phase I Certification Sampling, Rev. 1 (21010-PSP-0001)

Date: 4/28/98

VARIANCE / FIELD CHANGE NOTICE (Include justification):

This Variance documents the field changes necessary to carry out gamma spectroscopy analysis, the desired method for analysis of certification samples.

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Field Change Notice:

At least 1000 grams (dry weight) of soil must be collected, and 8 liters of rinsate water must be collected, as follows:

- The necessary soil volume will be obtained by performing two separate pushes to a depth of six inches using two 3-inch diameter plastic liners or one 3-inch liner and one 2-inch liner. The second sample must be collected within 3 inches of the original location. The two plastic liners from each location will be assigned the same sample number, and the soil from each will be treated as one sample by the laboratory.
- The necessary volume of rinsate water will be obtained by rinsing four plastic liners each with two liters of deionized water. The four, 2-liter aliquots of rinsate water will then be composited into two, 1-gallon polyethylene containers to obtain the necessary 8 liters of water. Two rinsates will be collected in this manner, as specified in the PSP.

Justification:

For certification analysis, gamma spectroscopy is preferable to alpha spectroscopy. The larger volumes of soil and water are necessary to meet the specified HAMDCs by gamma spectroscopy analysis.

REQUESTED BY: Mike Frank

Date: 4/28/98

X IF REQD	VARIANCE/FCN APPROVAL	DATE	X IF REQD	VARIANCE/FCN APPROVAL	DATE
X	QUALITY ASSURANCE <i>R. Juske</i>	5/6/98	X	PROJECT MANAGER <i>W. E. ...</i>	5-4-98
	DATA QUALITY MANAGEMENT		X	CHARACTERIZATION LEAD <i>R. ...</i>	3/4/98
	ANALYTICAL CUSTOMER SUPPORT		X	FIELD SAMPLING LEAD <i>Mike Frank</i>	5/4/98
	OTHER			OTHER	

VARIANCE/FCN APPROVED [X] YES [] NO

REVISION REQUIRED: [] YES [x] NO

DISTRIBUTION

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FIELD MANAGER:	OTHER:	OTHER:

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VARIANCE / FIELD CHANGE NOTICE

V/F 50.03.74.02-2

WBS NO.: 50.03.74.02

Page 1 of 2

PROJECT TITLE: PSP for Area 8, Phase I Certification Sampling, Rev. 1 (21010-PSP-0001)

Date: 5/5/98

VARIANCE / FIELD CHANGE NOTICE (Include justification):

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Field Change Notice:

As a result of U.S. EPA comments, two A8PI certification sampling locations have been moved within CU-02, and an additional sample location has been added to CU-01, as follows:

- Sample location A8P1-02-05 is now at Easting = 1346094, Northing = 478951.
- Sample location A8P1-02-14 is now at Easting = 1346181, Northing = 479197.
- A 17th location has been added to CU-01. It is identified as A8P1-01-17, is located at Easting = 1346584, Northing = 478672, and will be submitted for analysis in the same manner as other certification samples. Therefore, 13 samples from CU-01 will be submitted for analysis.

The revised Figure 7 (attached) shows the final certification sampling locations within A8PI, including the above.

Justification:

A check of the minimum distance criterion failed to identify two sample pairs that did not meet the criterion. Locations A8P1-02-05 and A8P1-02-09 were positioned slightly closer than the minimum distance, as were locations A8P1-02-13 and A8P1-02-14. The above randomly generated sample locations were generated within sub-CUs 05 and 14 of CU-02, and the minimum distance criterion is now satisfied for all certification sampling locations.

Because the pre-certification scan did not include some land within CU-01, an additional certification sampling location has been added within this area to satisfy the concern of the U.S. EPA. This new location also meets the minimum distance criterion.

REQUESTED BY: Eric Woods

Date: 4/29/98

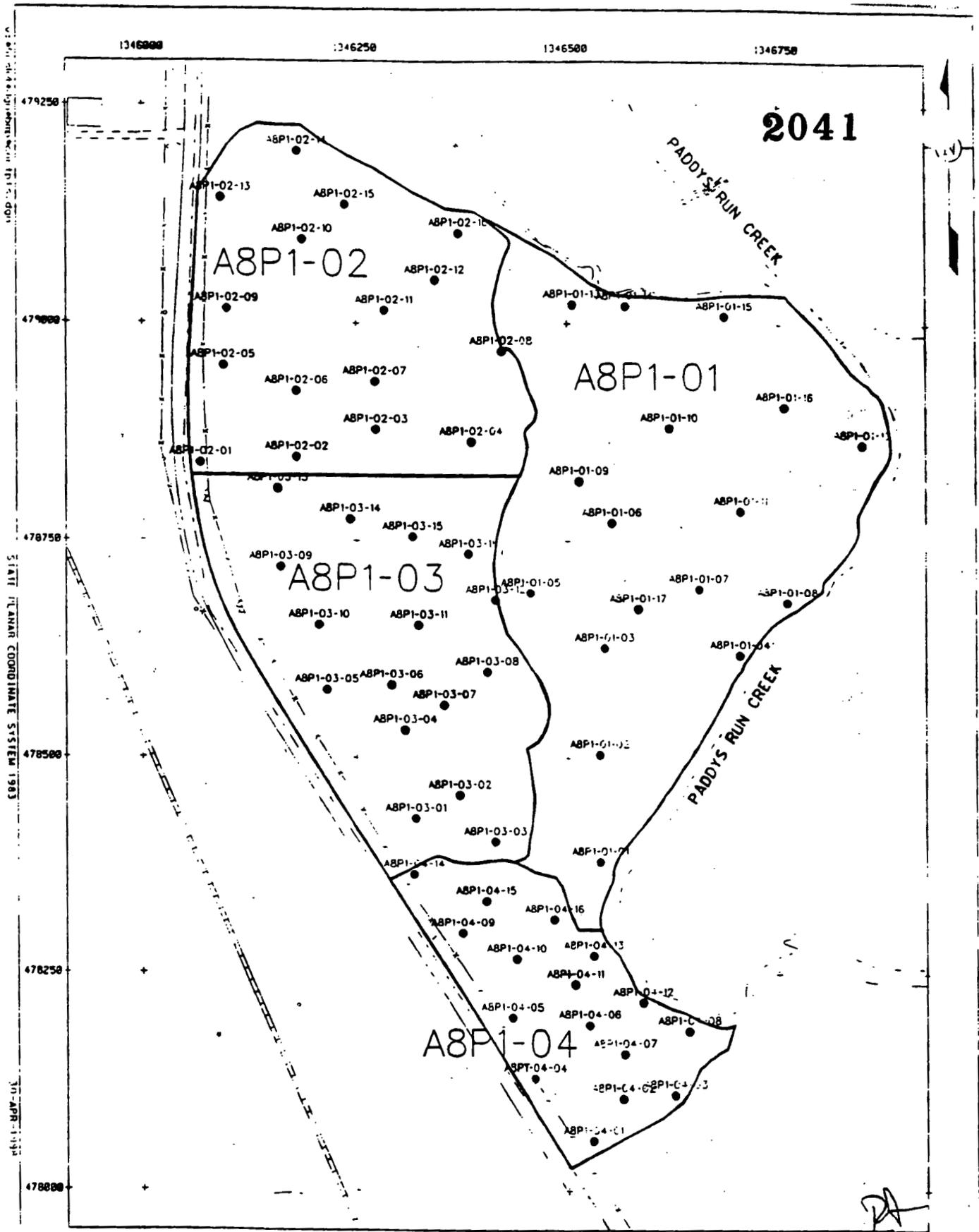
X IF REQD	VARIANCE/FCN APPROVAL	DATE	X IF REQD	VARIANCE/FCN APPROVAL	DATE
X	QUALITY ASSURANCE <i>E. Woods</i>	5-6-98	X	PROJECT MANAGER <i>Eric Woods</i>	5/6/98
	DATA QUALITY MANAGEMENT		X	CHARACTERIZATION LEAD <i>[Signature]</i>	5/7/98
	ANALYTICAL CUSTOMER SUPPORT		X	FIELD SAMPLING LEAD <i>[Signature]</i>	5/6/98
	OTHER			OTHER	
VARIANCE/FCN APPROVED (X) YES () NO			REVISION REQUIRED: () YES (x) NO		

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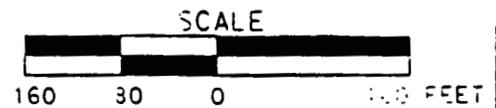
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LEGEND:

- CU BOUNDARY
- A8P1-01 CERTIFICATION UNIT NAME



DRAFT

FIGURE 7. AREA 8, PHASE 1 CERTIFICATION SAMPLING LOCATIONS

VARIANCE / FIELD CHANGE NOTICE

V/F 50.03.74.02-3

WBS NO.: 50.03.74.02

Page 1 of 1

PROJECT TITLE: PSP for Area 8, Phase I Certification Sampling, Rev. 1 (21010-PSP-0001)

Date: 5/6/98

VARIANCE / FIELD CHANGE NOTICE (Include justification):

Field Change Notice:

If previously used stainless steel liners are used to collect A8PI certification samples, additional rinsates will be collected at a frequency of 1 rinsate per 20 stainless steel liners. The two rinsates will still be collected for the plastic liners, but the total rinsates collected will not exceed the 1 per 20 requirement (i.e. four rinsates). The method of rinsate collection is described in V/FCN 50.03.74.02-1.

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Justification:

The frequency of rinsate collection specified in the PSP is for plastic or stainless steel liners that have not been reused. Since reused stainless steel liners will be used to collect samples, the frequency of rinsate collection must be increased.

REQUESTED BY: Mike Frank

Date: 5/5/98

X IF REQD	VARIANCE/FCN APPROVAL	DATE	X IF REQD	VARIANCE/FCN APPROVAL	DATE
X	QUALITY ASSURANCE <i>T. Amodeo</i>	5/6/98	X	PROJECT MANAGER <i>W. E. Hood</i>	5/6/98
	DATA QUALITY MANAGEMENT		X	CHARACTERIZATION LEAD <i>[Signature]</i>	5/7/98
	ANALYTICAL CUSTOMER SUPPORT		X	FIELD SAMPLING LEAD <i>Mike Frank</i>	5/6/98
	OTHER			OTHER	

VARIANCE/FCN APPROVED YES NO

REVISION REQUIRED: YES NO

DISTRIBUTION

PROJECT MANAGER:	DOCUMENT CONTROL:	OTHER:
QUALITY ASSURANCE:	OTHER:	OTHER:
FIELD MANAGER:	OTHER:	OTHER:

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