

**VARIANCE / FIELD CHANGE NOTICE**

Significant?  
(Yes or No): **YES**

V/F: 21130-PSP-0001-6

WBS NO.: PROJECT/DOCUMENT/ECDC # 21130-PSP-0001 Rev.0

Page: 1 of 4

PROJECT TITLE: Project Specific Plan for Area 9, Phase II Precertification Real-Time Scan

Date: 3/11/03 **4772**

**VARIANCE / FIELD CHANGE NOTICE (Include justification):**

This Variance/Field Change Notice (V/FCN) documents the collection of physical samples in Area 9, Phase II (A9PII) located off-property east of the Fernald Closure Project.

Six samples will be collected in the cultivated portion of A9PII and submitted to the onsite laboratory for total uranium (TAL B) analysis. See Attachment 1 for the Sampling and Analytical Requirements.

Boring A9P2-PC11 will be extended to a depth of 6.5 feet and samples will be collected at the 3.5 – 4 ft and 6 – 6.5 ft intervals. Borings A9P2-PC13 and A9P2-PC14 will be advanced to a depth of 3.5 feet and samples will be collected at the 0 – 0.5 ft and 3 – 3.5 ft intervals.

Each core will be scanned with a frisker. If the frisker reading indicates activity noticeably above background (based on the discretion of the Field Sampling Lead), then the sample interval shall be submitted for total uranium (TAL B) analysis. The boring shall then be extended to a depth of 3 feet below the sample interval with activity above background; the bottom 6" interval shall be sampled and submitted for total uranium (TAL B) analysis.

Boring A9P2-PC13 will be located 5 ft south of boring A9P2-PC11 and boring A9P2-PC14 will be located 5 ft north of boring A9P2-PC9. Samples to be collected under this V/FCN are identified on Attachment 2. See Figure 1 for sample locations.

Samples submitted under this V/FCN will be analyzed to ASL B requirements. Field validation is required.

INFORMATION  
ONLY

**Justification:**

Two samples collected under 21130-PSP-0001-4 indicated total uranium results greater than the FRL of 50 ppm. The total uranium result for sample A9P2-PC9^1-TU (0 – 0.5 ft interval) was 69.5 ppm and the result for sample A9P2-PC11^7-TU (3 – 3.5 ft interval) was 52.3 ppm. Additional samples are being collected to bound the "hot spot".

Per Section 2.7 of the PSP, the collection of physical samples will be documented with a V/FCN.

REQUESTED BY: Denise Arico

Date: 3/11/03

X IF REQD	VARIANCE/FCN APPROVAL	DATE	X IF REQD	VARIANCE/FCN APPROVAL	DATE
X	QUALITY ASSURANCE: <i>Mark Walker</i>	3/12/03	X	PROJECT MANAGER: J.D. [Signature]	3/12/03
	DATA QUALITY MANAGEMENT		X	CHARACTERIZATION MANAGER: F. Miller	3/12/03
X	ANALYTICAL CUSTOMER SUPPORT: <i>Hester Miller</i>	3/13/03		RTIMP Manager	
X	WAO <i>Denise Arico</i>	3/13/03	X	Sampling Manager: T. Bullage	3/12/03
VARIANCE/FCN APPROVED [X] YES [ ] NO			REVISION REQUIRED: [ ] YES [x] NO		

**DISTRIBUTION**

PROJECT MANAGER:	DOCUMENT CONTROL: Jeannie Rosser	OTHER:
QUALITY ASSURANCE:	CHARACTERIZATION MANAGER: Frank Miller	OTHER:
FIELD MANAGER:	OTHER:	OTHER:

ORIGINAL

SAMPLING AND ANALYTICAL REQUIREMENTS

TAL 21130-PSP-0001-B

Component	Off-Property FRL	Minimum Detection Limit
Total Uranium	50 mg/kg	5 mg/kg

Analyte (TAL)	Method	Sample Matrix	Lab	ASL	TAT	Preservation	Holding Time	Container**	Sample Volume/ Mass
Total Uranium (TAL B)	ICP/MS	Solid	Onsite	B	3 day	None	12 months	Plastic or stainless steel core liner or glass or polyethylene	50 g

**ATTACHMENT 2**  
**PRECERTIFICATION PHYSICAL SAMPLE LOCATIONS AND IDENTIFIERS**

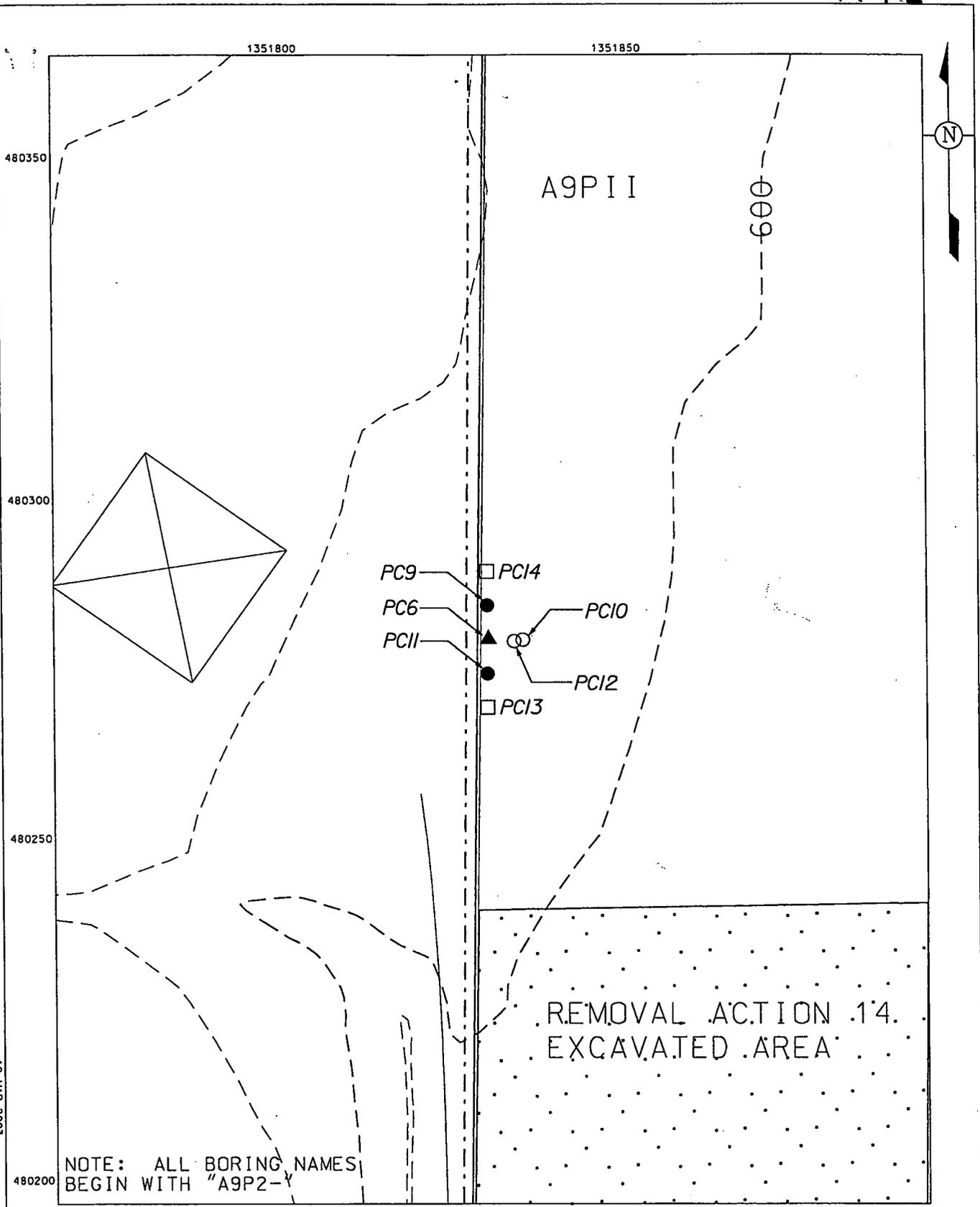
4772

Boring ID	Depth (feet)	Sample ID	Analysis	Northing	Easting
A9P2-PC11	3.5 - 4	A9P2-PC11^8-TU	TAL B	480274.331	1351833.984
	6 - 6.5	A9P2-PC11^13-TU			
A9P2-PC13	0 - 0.5	A9P2-PC13^1-TU	TAL B	480269.36	1351833.99
	3 - 3.5	A9P2-PC13^7-TU			
A9P2-PC14	0 - 0.5	A9P2-PC14^1-TU	TAL B	480288.7	1351834.421
	3 - 3.5	A9P2-PC14^7-TU			

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STATE PLANNING COORDINATE SYSTEM 1983

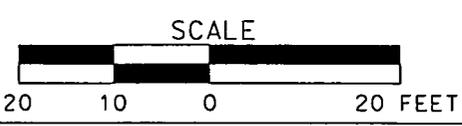
12-MAR-2003



NOTE: ALL BORING NAMES BEGIN WITH "A9P2-Y"

LEGEND:

- ▲ ORIGINAL BORING, ABOVE-FRL
- ABOVE-FRL URANIUM BORING LOCATION
- BOUNDING BORING
- PROPOSED BOUNDING BORING



DRAFT

FIGURE 1. V/FCN 21130-PSP-0001-6