

**VARIANCE / FIELD CHANGE NOTICE**

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

V/F: 21130-PSP-0001-7

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

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

Date: 3/13/03

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

This Variance/Field Change Notice (V/FCN) documents the collection of physical samples for dioxins and furans to support Area 9, Phase II precertification activities.

Three surface samples will be collected and submitted to an offsite laboratory for dioxin and furan (TAL H) analysis. See Attachment 1 for the TAL requirement and Attachment 2 for the Sampling and Analytical Requirements.

Samples to be collected under this V/FCN are identified on Attachment 3 and shown on Figure 1. Boring A9P2-BS1 is located in Area 8, Phase I; boring A9P2-BS2 is located in Area 8, Phase III-South; and boring A9P2-BS3 is located in Area 2 Phase III Part 1.

Samples submitted under this V/FCN will be analyzed to ASL B requirements. Analytical and field validation is required. The analytical data will be validated to VSL B

INFORMATION ONLY

**Justification:**

The samples being collected under this V/FCN are being collected to establish background conditions of dioxins and furans in the soil.

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

REQUESTED BY: Denise Arico

Date: 3/13/03

X IF REQD	VARIANCE/FCN APPROVAL	DATE	X IF REQD	VARIANCE/FCN APPROVAL	DATE
X	QUALITY ASSURANCE: <i>[Signature]</i>	3/17/03	X	PROJECT MANAGER: J. D. Zhou <i>[Signature]</i>	3/13/03
	DATA QUALITY MANAGEMENT		X	CHARACTERIZATION MANAGER: F. Miller <i>[Signature]</i>	3/13/03
X	ANALYTICAL CUSTOMER SUPPORT: H. Medley <i>[Signature]</i>	3/17/03		RTIMP Manager	
X	WAO: <i>[Signature]</i>	3/19/03	X	Sampling Manager: T. Buhlag <i>[Signature]</i>	3/13/03
VARIANCE/FCN APPROVED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			REVISION REQUIRED: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		

**DISTRIBUTION**

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

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## TAL 21130-PSP-0001-H

Component	Off-Property FRL	Minimum Detection Limit
2,3,7,8-TCDD	NA	Best Achievable
1,2,3,7,8-PeCDD	NA	Best Achievable
1,2,3,4,7,8-HxCDD	NA	Best Achievable
1,2,3,6,7,8-HxCDD	NA	Best Achievable
1,2,3,7,8,9-HxCDD	NA	Best Achievable
1,2,3,4,6,7,8-HpCDD	0.00005 mg/kg	5 ppt
OCDD	0.00001 mg/kg	5 ppt*
2,3,7,8-TCDF	NA	Best Achievable
1,2,3,7,8-PeCDF	NA	Best Achievable
2,3,4,7,8-PeCDF	NA	Best Achievable
1,2,3,4,7,8-HxCDF	NA	Best Achievable
1,2,3,6,7,8-HxCDF	NA	Best Achievable
1,2,3,7,8,9-HxCDF	NA	Best Achievable
2,3,4,6,7,8-HxCDF	NA	Best Achievable
1,2,3,4,6,7,8-HpCDF	0.00005 mg/kg	5 ppt
1,2,3,4,7,8,9-HpCDF	0.00005 mg/kg	5 ppt
OCDF	0.00001 mg/kg	5 ppt*

\* 10 percent of the FRL is not achievable for these components, this is 1/2 FRL

SAMPLING AND ANALYTICAL REQUIREMENTS

Analyte (TAL)	Method	Sample Matrix	Lab	ASL	TAT	Preservation	Holding Time	Container**	Sample Volume/ Mass
Dioxins/Furans (TAL H)	GC or HPLC	Solid	Offsite	B	7 day	Cool 4 deg C	14 days	Glass with teflon liner	50 g (150g)*

\* At the direction of the Field Sampling Lead, triple the specified volume must be collected for one of the three samples in order for the contract laboratory to perform the required quality control analyses. The sample shall be identified on the Chain of Custody forms as "designated for laboratory QC".

**ATTACHMENT 3**  
**PRECERTIFICATION PHYSICAL SAMPLE LOCATIONS AND IDENTIFIERS**

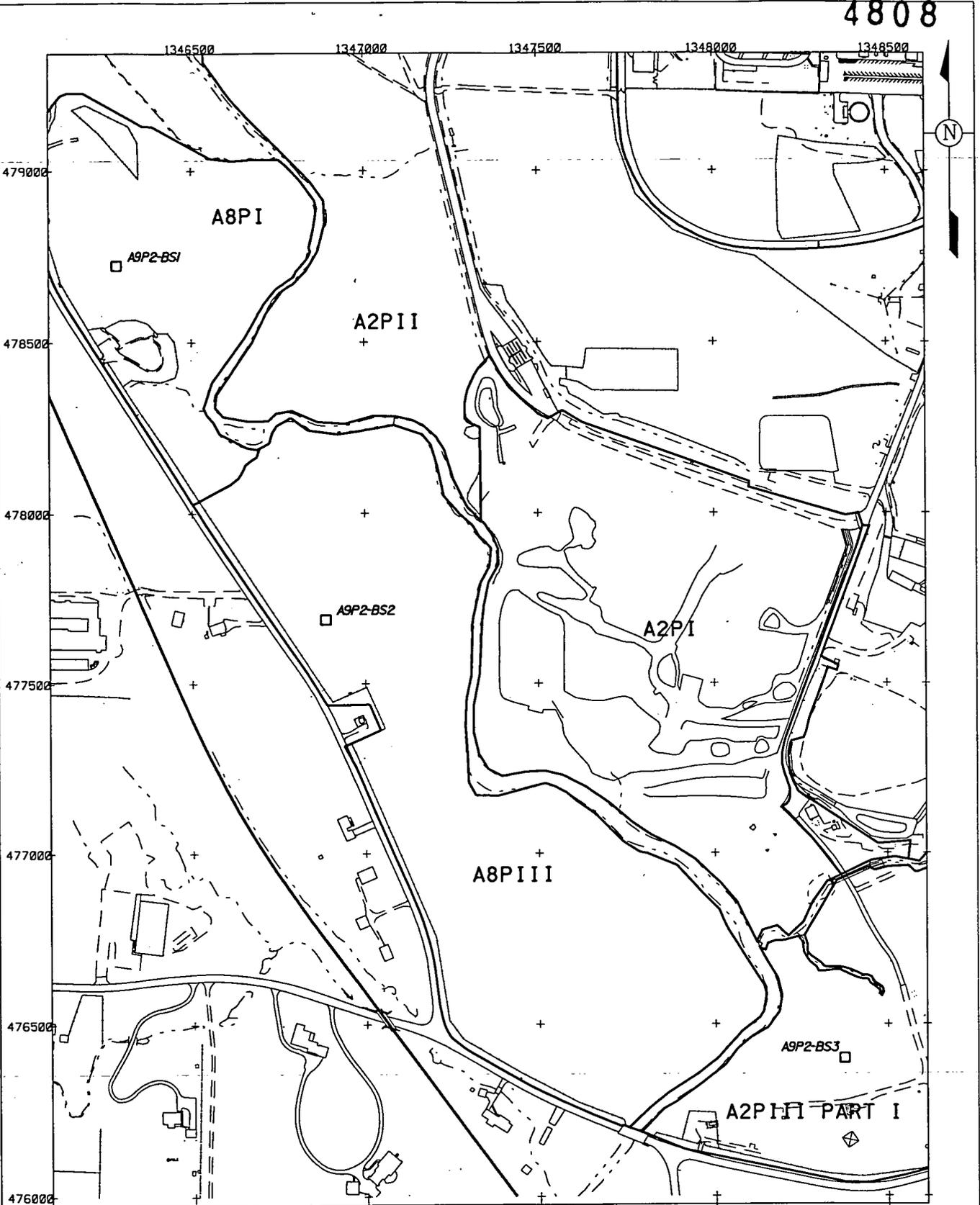
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<b>Boring ID</b>	<b>Depth (feet)</b>	<b>Sample ID</b>	<b>Analysis</b>	<b>Northing</b>	<b>Easting</b>
A9P2-BS1	0 - 0.5	A9P2-BS1^1-DF	TAL H	478724.64	1346279.35
A9P2-BS2	0 - 0.5	A9P2-BS2^1-DF	TAL H	477688.51	1346887.16
A9P2-BS3	0 - 0.5	A9P2-BS3^1-DF	TAL H	476400.63	1348372.93

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STATE PLANNED COORDINATE SYSTEM 1983

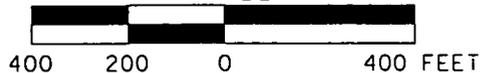
13-MAR-2003



LEGEND:

□ BORING LOCATION

SCALE



DRAFT

FIGURE 1. V/FCN 21130-PSP-0001-7

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