

## 118166 Redstone-PBC

Manager: Steve Moran

RFA / COC Number: 183-070910-EMP

Location Code: E183-CS126

Task: 118166

Sample Number: PEF0137

Collection Date: 07-JUL-10

Sample Name: E183-CS126-DS-PEF0137-REG

Collection Time: 12:40

Sampling Method: **DP** 

Start Depth: 0 '

Sample Type: DS

End Depth: 1

Sample Purpose: REG

Sample Matrix: SOIL

Sample Team: MG

**Containers** 

Flt Frtn Qty Size Units Type

ERPIMS Values:

**Analytical Suite** ARSENIC

N A oz CWM Sacode:

Lot Control#:

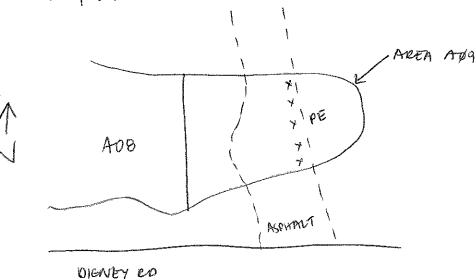
#### **Comments:**

183-A09-PE (Asphalt)

5 pt. composite

#### **Sketch Location:**

X= sample location



Logged BY / Date: 2 McDonough 7/12/10

Reviewed BY / Date:

7-12-10 0 V/



## 118166 Redstone-PBC

Manager: Steve Moran

RFA / COC Number: 183-070910-EMP

Location Code: E183-CS127

Task: 118166

Sample Number: PEF0138

Collection Date: 07-JUL-10

Sample Name: E183-CS127-DS-PEF0138-REG

Collection Time: 16:30

Sampling Method: **DP** 

Start Depth: 0'

Sample Type: DS

Sample Purpose: REG

End Depth: 1

Sample Matrix: SOIL

Sample Team: MG

**Containers** 

ERPIMS Values:

ARSENIC -

**Analytical Suite** 

Flt Frtn Qty Size

Units Type

Sacode:

4 - oz CWM

Lot Control#:

#### **Comments:**

183-B31-PN2

5 pl. composite

**Sketch Location:** 

X = Sample location

B12 BIZ B31 BIS

Logged BY / Date: E. McDonough 7/22/10

Reviewed BY / Date:



### 118166 Redstone-PBC

Manager: Steve Moran

RFA / COC Number: 183-070910-EMP

Location Code: E183-CS128

Task: 118166

Sample Number: PEF0139

Collection Date: 07-JUL-10

Sample Name: E183-CS128-DS-PEF0139-REG

Collection Time: 15:00

Sampling Method: **DP** 

Start Depth: 0 '

Sample Type: DS

End Depth: 1'

Sample Purpose: REG

Sample Matrix: SOIL

Sample Team: MG

**Containers** 

Units Type Flt Frtn Qty Size

ERPIMS Values:

N A

oz CWM

Sacode: Lot Control#:

#### **Comments:**

**Analytical Suite** 

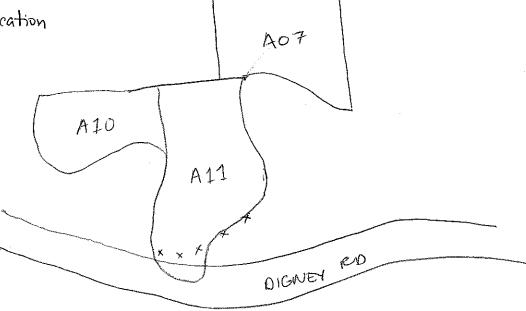
**ARSENIC** 

#### 183-A11-PS2

5 pt. composite

### **Sketch Location:**

X= sample location



Logged BY / Date: E. McDonorofh 7/12/10

Reviewed BY / Date:



## 118166 Redstone-PBC

Manager: Steve Moran

RFA / COC Number: 183-070910-EMP

Location Code: E183-CS128

Task: 118166

Sample Number: **PEF0140** 

Collection Date: 07-JUL-10

Sample Name: E183-CS128-DS-PEF0140-FD

Collection Time: 15:00

Sampling Method: **DP** 

Start Depth: 0 '

Sample Type: DS

End Depth: 1'

Sample Purpose: FD

Sample Matrix: SOIL

**Containers** 

Sample Team: MG

**Analytical Suite** 

Flt Frtn Qty Size Units Type

ERPIMS Values: Sacode:

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oz CWM

Lot Control#:

**Comments:** 

183-A11-PS2

5 pt. composite

**Sketch Location:** 

See primary SCL

Reviewed BY / Date:

Logged BY / Date: & MoDinoval 7/12/10



## 118166 Redstone-PBC

Manager: Steve Moran

RFA / COC Number: 183-070910-EMP

Location Code: E183-CS129

Task: 118166

Sample Number: PEF0141

Collection Date: 07-JUL-10

Sample Name: E183-CS129-DS-PEF0141-REG

Collection Time: 16:00

Sampling Method: DP

Start Depth: 0 1

Sample Type: DS

End Depth: 11

Sample Matrix: SOIL

Sample Team: MG

Containers

**Analytical Suite** 

Flt Frtn Qty Size

Units Type

Sample Purpose: REG

ERPIMS Values:

ARSENIC=

-CWM

Sacode:

Lot Control#:

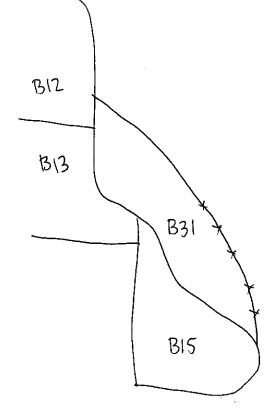
#### **Comments:**

#### 183-B31-PE2

5 pt. composite

#### **Sketch Location:**

X= sample location



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## 118166 Redstone-PBC

Manager: Steve Moran

RFA / COC Number: 183-070910-EMP

Location Code: E183-CS130

Sample Number: PEF0142

Sample Name: E183-CS130-DS-PEF0142-REG

Sampling Method: DP HA

Sample Type: DS

Sample Purpose: REG

Task: 118166

Collection Date: 09-JUL-10

Collection Time: 09:40

Start Depth: 0 t

End Depth: 1' 595

Sample Matrix: SOIL

Sample Team: MG

Containers

**Analytical Suite** 

Flt Frtn Qty Size Units Type

**ARSENIC** 

N A 1

4 oz CWM

ERPIMS Values:

Sacode:

Lot Control#:

#### **Comments:**

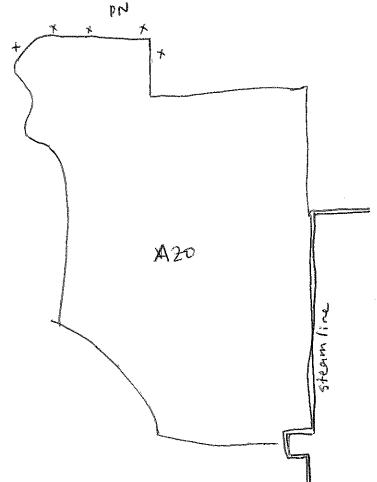
183-A20-PN01

5 pts.

**Sketch Location:** 

X = sample location

12



Logged BY / Date: EMNDonough 7/12/10

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## 118166 Redstone-PBC

Manager: Steve Moran

RFA / COC Number: 183-070910-EMP

Location Code: E183-CS131

Sample Number: PEF0143

Sample Name: E183-CS131-DS-PEF0143-REG

Sampling Method: DP LAP

Sample Type: DS

Sample Purpose: REG

Task: 118166

Collection Date: 09-JUL-10

Collection Time: 09:44

Start Depth: 0 bas

End Depth: 1

Sample Matrix: SOIL

Sample Team: MG

Containers

**Analytical Suite** 

Flt Frtn Qty Size Units Type

ARSENIC

N A 1

1 4 0

oz CWM

ERPIMS Values:

Sacode:

Lot Control#:

#### **Comments:**

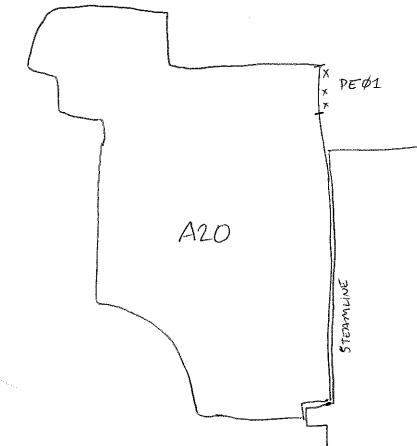
#### 183-A20-PE01

3 pt. composite

### **Sketch Location:**

x=sample location





Logged BY / Date: & My Donough 7/12/10

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## 118166 Redstone-PBC

Manager: Steve Moran

RFA / COC Number: 183-070910-EMP

Location Code: E183-CS132

Sample Number: PEF0144

Sample Name: E183-CS132-DS-PEF0144-REG

Sampling Method: DP HA

Sample Type: **DS** 

Sample Purpose: REG

Task: 118166

Collection Date: 09-JUL-10

Collection Time: 09:32

Start Depth: 0 ha

End Depth: 1

Sample Matrix: SOIL

Sample Team: MG

**Containers** 

**Analytical Suite** 

Flt Frtn Qty Size Units Type

ARSENIC

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oz CWM

ERPIMS Values:

Sacode:

Lot Control#:

#### **Comments:**

183-A20-PW02

5 pt. composite

**Sketch Location:** 

x=sample location

Reviewed BY / Date:

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Logged BY / Date: E. Mc Wonough 7/12/10



## 118166 Redstone-PBC

Manager: Steve Moran

RFA / COC Number: 183-070910-EMP

Location Code: E183-CS133

Sample Number: PEF0145

Sample Name: E183-CS133-DS-PEF0145-REG

Sampling Method: JPHA

Sample Type: **DS** 

Sample Purpose: REG

Task: 118166

Collection Date: 09-JUL-10

Collection Time: 09:27

Start Depth: 0' La

End Depth: 1'

Sample Matrix: SOIL

Sample Team: MG

Containers

**Analytical Suite** 

Flt Frtn Qty Size Units Type

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4

oz CWM

ERPIMS Values:

Sacode:

Lot Control#:

#### **Comments:**

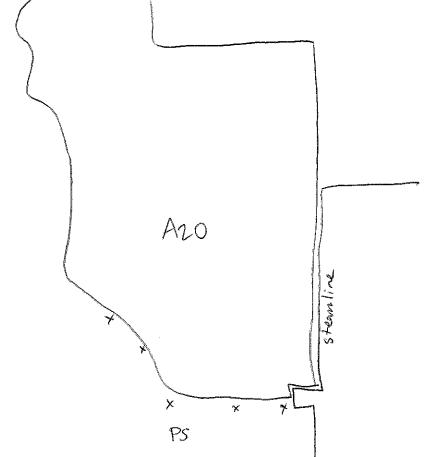
183-A20-PS

5 pt. comp.

**Sketch Location:** 

x=sample location





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### 118166 Redstone-PBC

Manager: Steve Moran

RFA / COC Number: 183-070910-EMP

Location Code: E183-CS134

Sample Number: PEF0146

Sample Name: E183-CS134-DS-PEF0146-REG

Sampling Method: DP HA

Sample Type: DS

Sample Purpose: REG

Task: 118166

Collection Date: 09-JUL-10

Collection Time: 09:20

Start Depth: 0'

End Depth: 1

Sample Matrix: SOIL

Sample Team: MG

**Containers** 

**Analytical Suite** 

Flt Frtn Qty Size Units Type

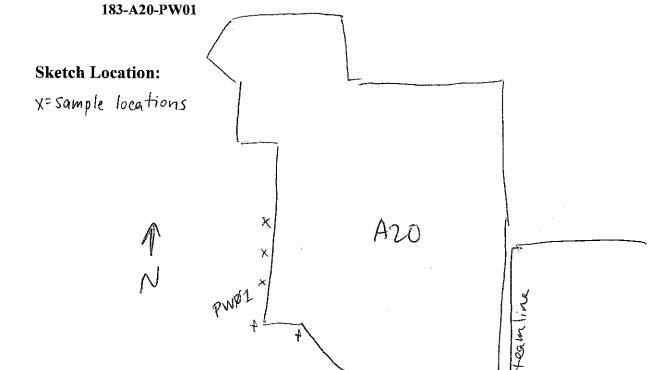
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ERPIMS Values: Sacode:

Lot Control#:

#### Comments:



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Reviewed BY / Date:

7-12-10



## 118166 Redstone-PBC

Manager: Steve Moran

RFA / COC Number: 183-070910-EMP

Location Code: E183-CS135

Task: 118166

Sample Number: PEF0147

Collection Date: 09-JUL-10

Sample Name: E183-CS135-DS-PEF0147-REG

Collection Time: 09:52

Sampling Method: PP HA

Start Depth: 0'

End Depth: 1'

Sample Type: **DS** Sample Purpose: REG

Sample Matrix: SOIL

Sample Team: MG

**Containers** 

**Analytical Suite** 

Flt Frtn Qty Size Units Type

ERPIMS Values:

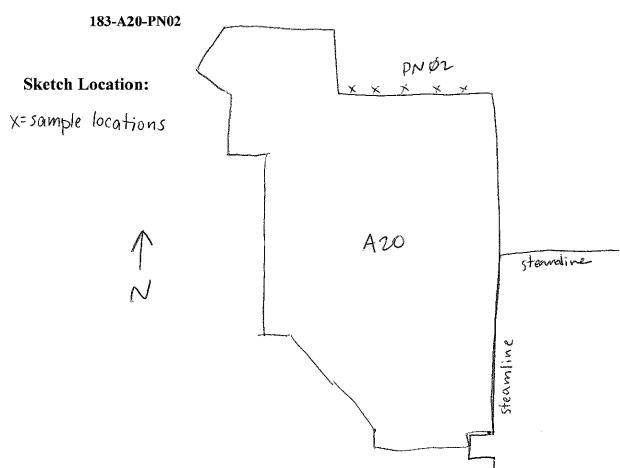
Sacode:

ARSENIC

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Lot Control#:

#### **Comments:**



Logged BY / Date: 2 McDonough 7/12/10 Reviewed BY / Date:



A20

## 118166 Redstone-PBC

Manager: Steve Moran

RFA / COC Number: 183-070910-EMP

Location Code: E183-CS136

Task: 118166

Sample Number: PEF0148

Collection Date: 09-JUL-10

Sample Name: E183-CS136-DS-PEF0148-REG

Collection Time: 09:56

Sampling Method: DP HA

Start Depth: 0'

Sample Type: DS

End Depth: 1

Sample Matrix: SOIL

Sample Purpose: REG

Sample Team: MG

PEØZ

Containers

ERPIMS Values:

**Analytical Suite** 

Flt Frtn Qty Size Units Type

Sacode:

**ARSENIC** 

 $\mathbf{N} \cdot \mathbf{A}$ oz CWM

Lot Control#:

### **Comments:**

183-A20-PE02

composite

**Sketch Location:** 

X=sample location

Reviewed BY / Date:

Logged BY / Date: E.McDonough 7/12/



## 118166 Redstone-PBC

Manager: Steve Moran

RFA / COC Number: 183-071610-EMP

Location Code: E183-CS137

Task: 118166

Sample Number: PEF0149

Collection Date: 14-JUL-10

Sample Name: E183-CS137-DS-PEF0149-REG

Collection Time: 13:00

Sampling Method: HA

Start Depth: 1

Sample Type: **DS** 

Sample Purpose: REG

oz CWM

End Depth: 2

Sample Matrix: SOIL

Sample Team: MG/JG

Containers

**Analytical Suite** 

ARSENIC

Flt Frtn Qty Size Units Type

A22

TS

x

ERPIMS Values: Sacode:

A20

Lot Control#:

**Comments:** 

183-A20-TS

183-A22-TS

pt. composite

N A

Sketch Location:

A16

steamline

A22-TS.

A12

X= sample locations

Logged BY / Date: E. M. Donough 7/20/10

Reviewed BY / Date Min



## 118166 Redstone-PBC

Manager: Steve Moran

RFA / COC Number: 183-071610-EMP

Location Code: E183-CS137

Sample Number: PEF0150

Sample Name: E183-CS137-DS-PEF0150-FD

Sampling Method: HA

Sample Type: **DS** 

Sample Purpose: FD

Task: 118166

Collection Date: 14-JUL-10

Collection Time: 13:00

Start Depth: 1

End Depth: 2

Sample Matrix: SOIL &M

Sample Team: OA/V

Containers

**Analytical Suite** 

ARSENIC

Flt Frtn Qty Size Units Type

N A oz CWM ERPIMS Values: Sacode:

Lot Control#:

**Comments:** 

183-A20-TN

183-A22-TS

5 pt. composite

Sketch Location:

X= sample locations

Steamline (xr A16 A22 A20 A12

Logged BY / Date: E.M. Donough 7/20/10

Reviewed BY / Date: Cin James 13(1)



## 118166 Redstone-PBC

Manager: Steve Moran

**RFA / COC Number: 183-071610-EMP** 

Location Code: E183-CS139

Task: 118166 Sample Number: PEF0152 Collection Date: 14-JUL-10

Sample Name: E183-CS139-DS-PEF0152-REG

Collection Time: 13:30

Sampling Method: HA

Start Depth: 1

Sample Type: DS

Sample Purpose: REG

End Depth: 2

Sample Matrix: SOIL

Sample Team: VB /OA

Containers

**Analytical Suite** 

Flt Frtn Qty Size Units Type

ERPIMS Values;

Sacode:

ARSENIC

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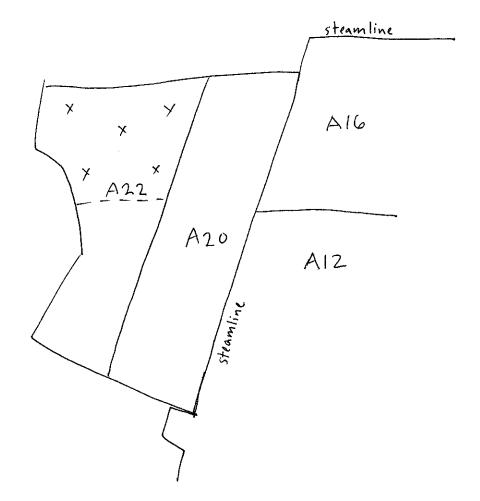
Lot Control#:

#### **Comments:**

183-A22-TN

5 pt. composite

### **Sketch Location:**



Logged BY / Date: E. McConough 7/20/10

Reviewed BY / Date: Completon 8/3/10



## 118166 Redstone-PBC

Manager: Steve Moran

RFA / COC Number: 183-071610-EMP

Location Code: E183-CS140

Task: 118166

Sample Number: PEF0153

Collection Date: 14-JUL-10

Sample Name: E183-CS140-DS-PEF0153-REG

Collection Time: 11:15

Sampling Method: HA

Start Depth: 1

Sample Type: DS

Sample Purpose: REG

End Depth: 2

Sample Matrix: SOIL

Sample Team: OA /UB

Containers

Analytical Suite Flt I

Flt Frtn Qty Size Units Type

ERPIMS Values:

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A 1 4 oz CWM

Sacode: Lot Control#:

**Comments:** 

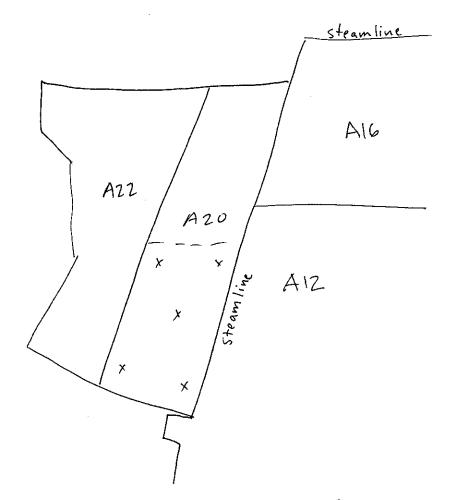
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183-A20-75 7N TS

5 pt. composite

**Sketch Location:** 

X= sample locations



Logged BY / Date: 4. McDonough 7/20/10

Reviewed BY / Date: My Damum 8/3/10



### 118166 Redstone-PBC

Manager: Steve Moran

RFA / COC Number: 183-071610-EMP

Location Code: E183-CS140

Task: 118166

Sample Number: PEF0153-MS

Collection Date: 14-JUL-10

Sample Name: E183-CS140-DS-PEF0153-MS-MS

Collection Time: 11:15

Sampling Method: HA

Start Depth: 1

Sample Type: **DS** 

Sample Purpose: MS

End Depth: 2

Sample Matrix: SOIL

Sample Team: OA/VB

Containers

**Analytical Suite** 

Flt Frtn Qty Size Units Type

ERPIMS Values: Sacode:

ARSENIC

N A 1 4

oz CWM

Lot Control#:

**Comments:** 

183-A20-TS

**Sketch Location:** 

See primary SCL



## 118166 Redstone-PBC

Manager: Steve Moran

**RFA / COC Number: 183-071610-EMP** 

Location Code: E183-CS140

Task: 118166

Sample Number: PEF0153-MSD

Collection Date: 14-JUL-10

Sample Name: E183-CS140-DS-PEF0153-MSD-MSD

Collection Time: 11:15

Sampling Method: HA

Start Depth: 1

Sample Type: DS

Sample Purpose: MSD

End Depth: 2

Sample Matrix: SOIL

Sample Team:

**Containers** 

**Analytical Suite** 

Flt Frtn Qty Size Units Type

ERPIMS Values:

Sacode:

ARSENIC

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Lot Control#:

**Comments:** 

183-A20-TS

**Sketch Location:** 

See primary SCL

Reviewed BY / Date: [ Manual 8 3 10



### 118166 Redstone-PBC

Manager: Steve Moran

RFA / COC Number: 183-071610-EMP

Location Code: E183-CS141

Task: 118166

Sample Number: PEF0154

Collection Date: 10-JUN-10

Sample Name: E183-CS141-DS-PEF0154-REG

Collection Time: 09:55

Sampling Method: HA

Start Depth: 0

Sample Type: DS

Sample Purpose: REG

End Depth: 1

Sample Matrix: SOIL

Sample Team: MG / VB

**Containers** 

Flt Frtn Qty Size Units Type

ERPIMS Values:

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**Analytical Suite** 

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Lot Control#:

Sacode:

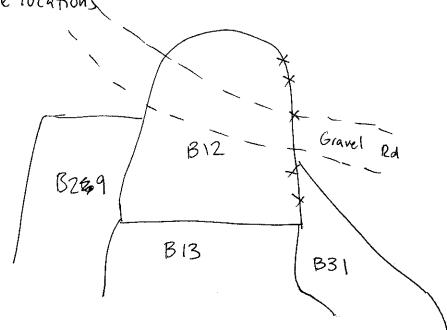
#### **Comments:**

183-B12-PE

5 pt. composite

#### **Sketch Location:**

X= sample locations



Logged BY / Date: E.M. Donough 7/21/10

Reviewed BY / Date: Chi Dameion 8/3/10



## 118166 Redstone-PBC

Manager: Steve Moran

RFA / COC Number: 183-071610-EMP

Location Code: E183-CS142

Sample Number: PEF0155 Collection Date: 10-JUN-10

Sample Name: E183-CS142-DS-PEF0155-REG

Collection Time: 09:15

Sampling Method: HA

Start Depth: 0

Sample Type: DS

Sample Purpose: REG

End Depth: 1

Sample Matrix: SOIL

Sample Team: RR/JG

**Containers** 

**Analytical Suite** 

Flt Frtn Qty Size Units Type

ERPIMS Values:

Sacode:

Task: 118166

ARSENIC

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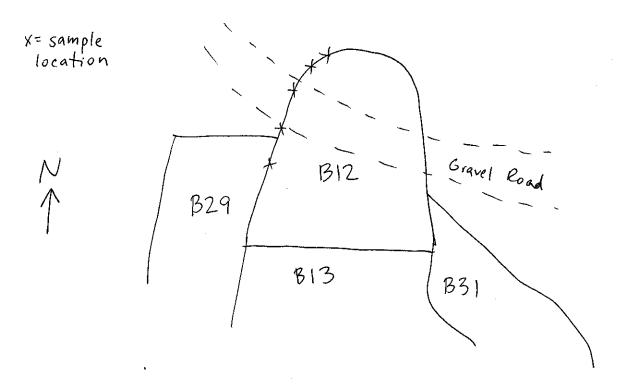
Lot Control#:

#### **Comments:**

183-B12-PW

5 pt. composite

### **Sketch Location:**



Logged BY / Date: EMoDonowofh

Reviewed BY / Date: Emily James 8/3/10



## 118166 Redstone-PBC

Manager: Steve Moran

RFA / COC Number: 183-071610-EMP

Location Code: E183-CS143

Task: 118166

Sample Number: PEF0156

Collection Date: 21-JUN-10

Sample Name: E183-CS143-DS-PEF0156-REG

Collection Time: 15:30

Sampling Method: HA

Start Depth: 0

Sample Type: DS

Sample Purpose: REG

End Depth: 1

Sample Matrix: SOIL

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Sample Team: MG | VB

**Containers** 

**Analytical Suite** 

**ARSENIC** 

Flt Frtn Qty Size Units Type

A 1 4 oz CWM

ERPIMS Values:

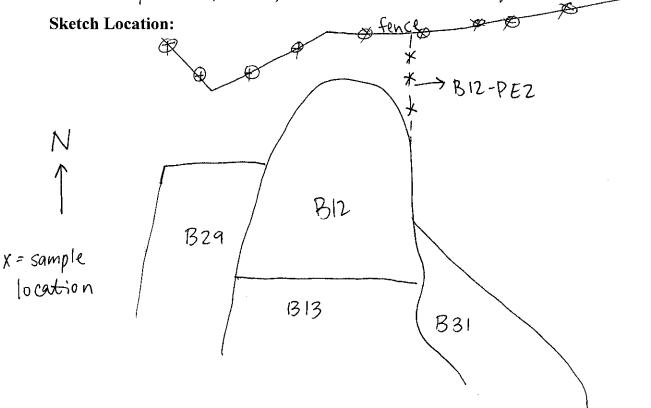
Sacode:

Lot Control#:

#### **Comments:**

#### 183-B12-PE2

3 pts. composite, due to short perimeter segment



Logged BY / Date: E.McDonough 7/21/10

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## 118166 Redstone-PBC

Manager: Steve Moran

RFA / COC Number: 183-071610-EMP

Location Code: E183-CS144

Task: 118166

Sample Number: PEF0157

Collection Date: 21-JUN-10

Sample Name: E183-CS144-DS-PEF0157-REG

Collection Time: 15:10

Sampling Method: HA

Start Depth: 0

Sample Type: DS

Sample Purpose: REG

End Depth: 1

Sample Matrix: SOIL

Sample Team: RR/JG

Containers

Flt Frtn Qty Size Units Type

ERPIMS Values:

Sacode:

ARSENIC

**Analytical Suite** 

oz CWM

Lot Control#:

#### **Comments:**

#### 183-B12-PN2

4 pts composite due to short perimeter segment **Sketch Location:** X= Sample PN2 location

B12 B29 B13 B31

Logged BY / Date: { McDonough 7/21/10

Reviewed BY / Date: Company



## 118166 Redstone-PBC

Manager: Steve Moran

RFA / COC Number: 183-071610-EMP

Location Code: E183-CS145

Task: 118166

Sample Number: PEF0158

Collection Date: 14-JUL-10

Sample Name: E183-CS145-DS-PEF0158-REG

Collection Time: 14:55

Sampling Method: HA

Start Depth: 1

Sample Type: DS

Sample Purpose: REG

End Depth: 2

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Sample Matrix: SOIL

Sample Team: RR/JG

Containers

**Analytical Suite** 

Flt Frtn Qty Size Units Type

ERPIMS Values:

Sacode:

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N A 1 4 oz CWM

Lot Control#:

#### **Comments:**

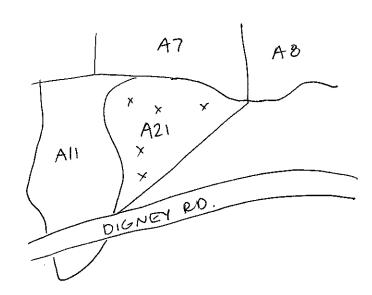
183-A21-T

5 pt. composite

#### **Sketch Location:**

X = sample location

1 2



Logged BY / Date: P. McDonorugh 7/21/10

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### 118166 Redstone-PBC

Manager: Steve Moran

RFA / COC Number: 183-071610-EMP

Location Code: E183-CS146

Task: 118166

Sample Number: PEF0159

Collection Date: 15-JUL-10

Sample Name: E183-CS146-DS-PEF0159-REG

Collection Time: 12:10

Sampling Method: HA

Start Depth: 1

Sample Type: DS

Sample Purpose: REG

End Depth: 2

Sample Matrix: SOIL

Sample Team: RH/J(2

**Containers** 

Flt Frtn Qty Size Units Type

ERPIMS Values:

**ARSENIC** 

**Analytical Suite** 

oz CWM

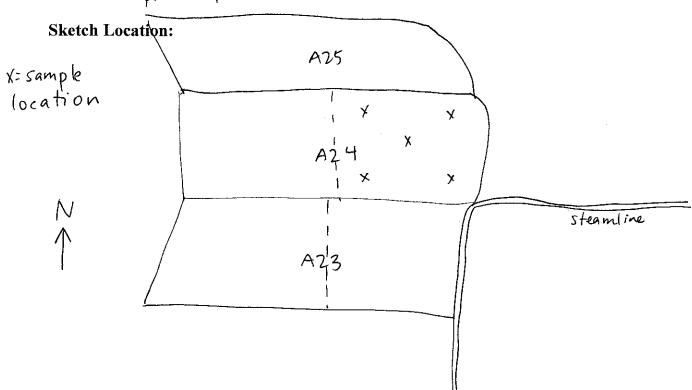
Lot Control#:

Sacode:

#### **Comments:**

183-A24-TE

5 pt. composite



Logged BY / Date: E. McDonorugh 7/21/10

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### 118166 Redstone-PBC

Manager: Steve Moran

RFA / COC Number: 183-071610-EMP

Location Code: E183-CS147

Task: 118166

Sample Number: PEF0160

Collection Date: 15-JUL-10

Sample Name: E183-CS147-DS-PEF0160-REG

Collection Time: 14:30

Sampling Method: HA

Start Depth: 1

Sample Type: DS

Sample Purpose: REG

End Depth: 2

Sample Matrix: SOIL

Sample Team: OA NB

**Containers** 

Flt Frtn Qty Size Units Type

ERPIMS Values:

oz CWM

Lot Control#:

Sacode:

#### **Comments:**

**Analytical Suite** 

ARSENIC

183-A25-TE

pt. composite

X= sample location

Sketch Location: Y A24 steamline A23

Logged BY / Date: [Mallomough 7/21/10

Reviewed BY / Date: The Summer 8 7 0



### 118166 Redstone-PBC

Manager: Steve Moran

RFA / COC Number: 183-071610-EMP

Location Code: E183-CS148

Task: 118166

Sample Number: PEF0161

Collection Date: 15-JUL-10

Sample Name: E183-CS148-DS-PEF0161-REG

Collection Time: 15:50

Sampling Method: HA

Start Depth: 1

Sample Type: DS

Sample Purpose: REG

End Depth: 2

Sample Matrix: SOIL

Sample Team: OA (RH

Containers

**Analytical Suite** 

Flt Frtn Qty Size Units Type ERPIMS Values:

Sacode:

**ARSENIC** 

oz CWM

Lot Control#:

**Comments:** 

183-A26-TE

5 pt. composite

**Sketch Location:** 

X = sample location

A25

A24

A23

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### 118166 Redstone-PBC

Manager: Steve Moran

**RFA / COC Number: 183-071610-EMP** 

Location Code: E183-CS149

Task: 118166 Sample Number: PEF0162 Collection Date: 15-JUL-10

Sample Name: E183-CS149-DS-PEF0162-REG

Collection Time: 10:40

Sampling Method: HA

Start Depth: 1

Sample Type: DS

Sample Purpose: REG

End Depth: 2

Sample Matrix: SOIL

Sample Team: 22/16

Containers

**Analytical Suite** 

Flt Frtn Qty Size Units Type

ERPIMS Values:

Sacode:

ARSENIC

oz CWM

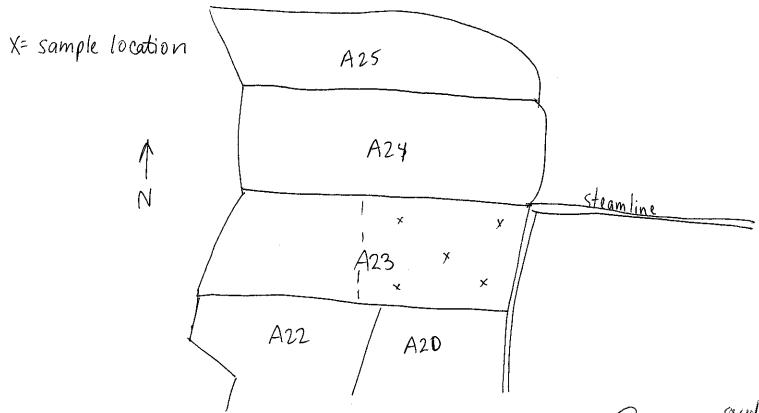
Lot Control#:

#### **Comments:**

183-A23-TE

5 pt. composite

### **Sketch Location:**



Logged BY / Date: Q.Me Omorrogh

Reviewed BY / Date Englancean & HI/10



## 118166 Redstone-PBC

Manager: Steve Moran

RFA / COC Number: 183-071610-EMP

Location Code: E183-CS151

*Task:* **118166** 

Sample Number: PEF0164

Collection Date: 15-JUL-10

Sample Name: E183-CS151-DS-PEF0164-REG

Collection Time: 11:40

Sampling Method: HA

Start Depth: 1

Sample Type: DS

Sample Purpose: REG

End Depth: 2
Sample Matrix: SOIL

G 1 T 18 ()

Sample Team:  $\bigvee B / \bigcup G$ 

Containers

**Analytical Suite** 

Fit Frtn Qty Size Units Type

ERPIMS Values:

Sacode:

ARSENIC

N A 1 4 oz CWM

Lot Control#:

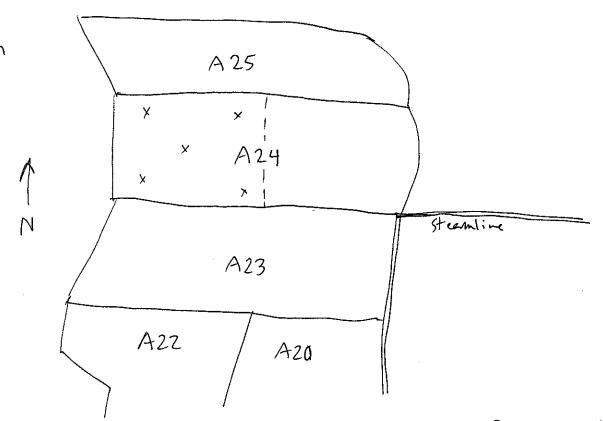
#### **Comments:**

183-A24-TW

5 pt. composite

### **Sketch Location:**

X= sample location



Logged BY / Date: E. McDonough 7/21/10

Reviewed BY / Date Try Jameson 8/4/10



### 118166 Redstone-PBC

Manager: Steve Moran

RFA / COC Number: 183-071610-EMP

Location Code: E183-CS152

*Task:* **118166** 

Sample Number: PEF0165

Collection Date: 15-JUL-10

Sample Name: E183-CS152-DS-PEF0165-REG

Collection Time: 15:20

Sampling Method: HA

Start Depth: 1

Sample Type: DS

Sample Purpose: REG

1 AZ6

End Depth: 2

Sample Matrix: SOIL

Sample Team: VB/OA

**Containers** 

**Analytical Suite** 

Flt Frtn Qty Size Units Type

ERPIMS Values:

Sacode:

ARSENIC

N A 1 4 oz CWM

X

Lot Control#:

**Comments:** 

183-A26-TW

5 pt. composite

**Sketch Location:** 

X= sample location

A25

A24

A23

Etlah We an

Steamline

Logged BY / Date: E.M. Donough 7/21/10

Reviewed BY / Date Emil Domeson 8/4/10



## 118166 Redstone-PBC

Manager: Steve Moran

RFA / COC Number: 183-071610-EMP

Location Code: E183-CS153

Task: 118166

Sample Number: PEF0166

Collection Date: 15-JUL-10

Sample Name: E183-CS153-DS-PEF0166-REG

Collection Time: 10:20

Sampling Method: HA

Start Depth: 1

Sample Type: DS

Sample Purpose: REG

End Depth: 2

Sample Matrix: SOIL

Sample Team: RH/OA

**Containers** 

**Analytical Suite** 

Flt Frtn Qty Size Units Type ERPIMS Values:

Sacode:

**ARSENIC** 

oz CWM

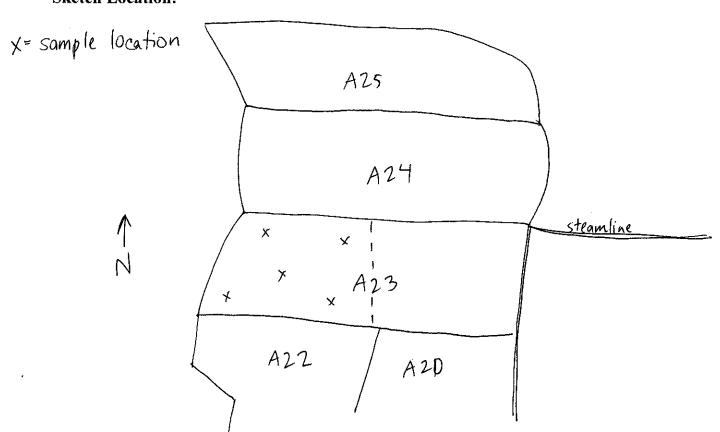
Lot Control#:

#### Comments:

183-A23-TW

5 pt. composite

### **Sketch Location:**



Logged BY / Date: [My]onough

Reviewed BY / Date: Zmil Dameun 8/4/10



### 118166 Redstone-PBC

Manager: Steve Moran

**RFA / COC Number: 183-071610-EMP** 

Location Code: E183-CS154

Task: 118166

Sample Number: PEF0167

Collection Date: 15-JUL-10

Sample Name: E183-CS154-DS-PEF0167-REG

Collection Time: 14:00

Sampling Method: HA

Start Depth: 1

Sample Type: **DS** 

Sample Purpose: REG

End Depth: 2

Sample Matrix: SOIL

Sample Team: RR/JG

**Containers** 

**Analytical Suite** 

Flt Frtn Qty Size Units Type

ARSENIC

N A 1 4 oz CWM

ERPIMS Values:

Sacode:

Lot Control#:

**Comments:** 

183-A25-TW

5 pt. composite

**Sketch Location:** 

x= sample location

1 N

Logged BY / Date: (Mel) mough 7/21/10

Reviewed BY / Date: [

NEw Jameson 8/4 /10



## 118166 Redstone-PBC

Manager: Steve Moran

**RFA / COC Number: 183-071610-EMP** 

Location Code: E183-CS155

Task: 118166

Sample Number: PEF0168

Collection Date: 14-JUL-10

Sample Name: E183-CS155-DS-PEF0168-REG

Collection Time: 11:50

Sampling Method: HA

Start Depth: 1

Sample Type: **DS** 

Sample Purpose: REG

End Depth: 2

Sample Matrix: SOIL

Sample Team: DA /VB

**Containers** 

Analytical Suite

Flt Frtn Qty Size Units Type

ERPIMS Values:

Sacode:

steamline

ARSENIC

N A 1

4 oz CWM

Lot Control#:

#### **Comments:**

183-A20-TN

5 pt. composite

### **Sketch Location:**

X= sample location



A16

X

A1Z

12

Logged BY / Date: E.McDonough 7/21/10

Reviewed BY / Date: Emplemen 8/4/10



## 118166 Redstone-PBC

Manager: Steve Moran

RFA / COC Number: 183-071610-EMP

Location Code: E183-CS149

Task: 118166

Sample Number: **PEF0169** 

Collection Date: 14-JUL-10

Sample Name: E183-CS149-DS-PEF0169-FD

Collection Time: 10:40

Sampling Method: HA

Start Depth: 1

Sample Type: **DS** 

Sample Purpose: FD

End Depth: 2

Sample Matrix: SOIL

Sample Team:

**Containers** 

**Analytical Suite** 

Flt Frtn Qty Size Units Type

ERPIMS Values: Sacode:

ARSENIC

I A 1 4 oz CWM

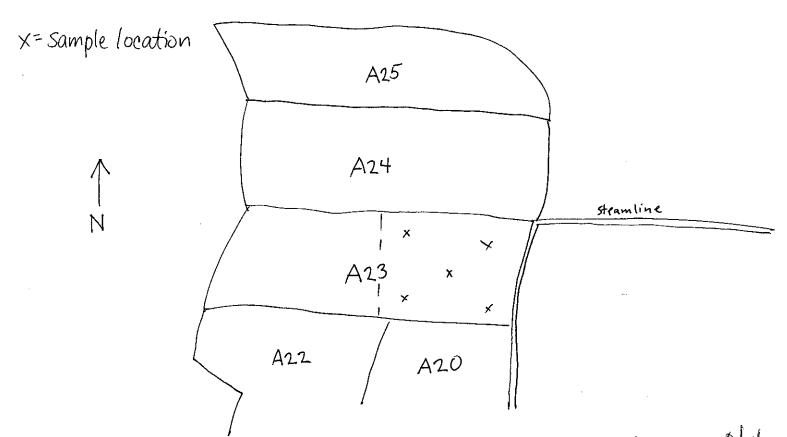
Lot Control#;

#### Comments:

183-A23-TE

5 pt. composite

### **Sketch Location:**



Logged BY / Date: Eleanor McDonough 7/21/10 Reviewed BY / Date: Timbrames 18/10



## 118166 Redstone-PBC

Manager: Steve Moran

**RFA / COC Number: 183-073010-EMP** 

Location Code: E183-CS157

Sample Number: **PEF0171** 

Sample Name: E183-CS157-DS-PEF0171-REG

Sampling Method: HA

Sample Type: DS

Sample Purpose: REG

Task: 118166

Collection Date: 30-JUL-10

Collection Time: 09:50

Start Depth: 0 bas

End Depth: 1

Sample Matrix: SOIL

Sample Team: CC ac 19

ERPIMS Values: Sacode:

Lot Control#:

Containers

**Analytical Suite** 

Flt Frtn Qty Size Units Type

ARSENIC

N A 1 4 oz CWM

**Comments:** 

183-D01-PE

5 point composite sample

**Sketch Location:** 

large gravel / RSA-049

RSA-049

Fence

Noriginal

Area D Sample area

Logged BY / Date: 1. Chambers 7.30,10 Reviewed BY / Date: 1. Chambers

1.30,10



### 118166 Redstone-PBC

Manager: Steve Moran

RFA / COC Number: 183-073010-EMP

Location Code: E183-CS158

Sample Number: PEF0172

Sample Name: E183-CS158-DS-PEF0172-REG

Sampling Method: HA

Sample Type: DS

Sample Purpose: REG

Task: 118166

Collection Date: 30-JUL-10

Collection Time: 10:15

Start Depth: 0' bas

End Depth: 1'

Sample Matrix: SOIL

Sample Team: (Lc ac ) 9

ERPIMS Values: Sacode:

Lot Control#:

Containers

Analytical Suite

Flt Frtn Qty Size Units Type

**ARSENIC** 

N A 1 4 oz CWM

**Comments:** 

183-D01-PW

5 point composite sample

**Sketch Location:** 

RSA-049
fence

original Area D Sample area



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118166 - Redstone-PBC

Jack Keolsch Manager:

		RF	A / COC Number: PEF	08182010-S-ELAB	
Location Code:	E183-CS159		Task:	118166	
Sample Number:	PEF0173			8.17.10	
Sample Name:	E183-CS159-DS-PEF0173-REG		Collection Time:	خسرسم ای	
Sampling Method:	GRAB		Start Depth:	, 1	
Sample Type:	DS	Sample Purpose: REG	End Depth:		
Sampling Equip: OC Partners:	55 S 7000	)	Sample Matrix:		
(TB)	(ER)	(FB)	Sample Team:	MG	
Containers Analytical Suite Flt Frtn Qty Size Units Type			ERPIMS	ERPIMS Values: Sacode:	
ARSENIC	N A 1 4	oz CWM :	Lot	Control#:	
Comments:	A04N4				
Sketch Locati	on: locatio	n has been s	urreyed-see	map.	

E. Me Donough Reviewed BY / Date: 8 30 10

Logged BY / Date: UCC B.18.10



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118166 - Redstone-PBC

Manager:

Jack Keolsch

	ŀ	RFA / COC Number: <u> </u>
Sampling Method: Sample Type: Sampling Equip:	E183-CS160 PEF0174 E183-CS160-DS-PEF0174-REG GRAB	Task: 118166  Collection Date: 8.17.10  Collection Time: 12.10  Start Depth: 1  End Depth: 2  Sample Matrix: SOIL
QC Partners; (TB)  Analytical Suite  ARSENIC	(ER) (FB)  Containers  Flt Frtn Qty Size Units Type  N A 1 4 oz CWM	Sample Team:  ERPIMS Values: Sacode:  Lot Control#:
Comments:	A15TW4	
Sketch Locati	ion: location has been s	erreged - see map



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118166 - Redstone-PBC

Manager: J

Jack Keolsch

			RFA/COC Number: PEF	<u>08182010 - S - ELAF</u>
Location Code:	E183-CS160			118166
Sample Number:	PEF0175		Collection Date:	
Sample Name:	E183-CS160-DS	S-PEF0175-FD	Collection Time:	
Sampling Method:	GRAB		Start Depth:	_ 1
Sample Type:	DS	Sample Purpose: FD	End Depth:	
Sampling Equip: OC Partners:	SS S	poon	Sample Matrix:	
(LB)	(ER)	( <u>FB</u> )	Sample Team:	
Analytical Suite	Contai Flt Frtn Qty Si	ners ze Units Type		S Values: Sacode:
ARSENIC	N A 1	4 oz CWM	Lot	Control#:
Comments:	A15T	w 4		
Sketch Locati	ion: locati	n mas been	Surveyed - Se	ee map.

Reviewed BY / Date: 8/30/10



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118166 - Redstone-PBC

Jack Keolsch

		RFA / C	OC Number: PEF	-08182010-5-ELA
Location Code:				118166
Sample Number:	PEF0176		Collection Date:	8.17,10
Sample Name:	E183-CS161-DS-	PEF0176-REG	Collection Time:	
Sampling Method:	GRAB		Start Depth:	
Sample Type:		Sample Purpose: <b>REG</b>	End Depth:	21
Sampling Equip: OC Partners:	<u>55 S 500</u>	<sup>9</sup> n	Sample Matrix:	
(TB)	(ER)	( <u>FB</u> )	Sample Team:	
Analytical Suite	Contain Flt Frtn Qty Size			S Values: Sacode:
ARSENIC	N A 1 4	oz CWM	Lot	Control#:
Comments:		and B28 TNS	5 2 pt.,	composite
10	cation he	as been survey	ed - see v	nap

Reviewed BY / Date: 8/30/10



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118166 - Redstone-PBC

Manager:

Jack Keolsch

	•	RFA / COC	Number: YET	08/8/010-2-50
Sampling Method: Sample Type:	PEF0177 E183-CS162-DS-PEI GRAB	Sample Purpose: REG	Task: Collection Date: Collection Time: Start Depth: End Depth: Sample Matrix:	10: 10 _1' _2'
(TB)	(ER)	(FB)	Sample Team:	
Analytical Suite ARSENIC	Containers Fit Frtn Qty Size U N A 1 4	nits Type oz CWM	ERPIMS	S Values: Sacode: Control#:
Comments:	BI2 TN			
Sketch Locati		een Surveyed-	See ma	<b>(</b> 2

Reviewed BY / Date: 8/30/10

Logged BY / Date: UCC & 18.10



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118166 - Redstone-PBC

Jack Keolsch Manager:

		RFA / CO	OC Number: PEF	08182010-S-ELAB
Location Code:	E183-CS163		Task;	118166
Sample Number:	PEF0178			8.17.10
Sample Name:	E183-CS163-DS-PF	EF0178-REG	Collection Time:	
Sampling Method:	GRAB		Start Depth:	
Sample Type:	DS	Sample Purpose: REG	End Depth:	2'
Sampling Equip: QC Partners:	SS Spoon		Sample Matrix:	
(TB <u>)</u>	(E <u>R)</u>	( <u>FB)</u>	_ Sample Team:	and the second of all the second of the seco
Analytical Suite	Containers Flt Frtn Qty Size		ERPIMS	S Values: Sacode:
ARSENIC	N A 1 4	oz CWM	Lot	Control#:
Comments:	B21 TW2	and 1321 TWE	5 2 pt.	Composite
Sketch Locati		,	4 0	
101	ation has	been Servee	ger-see	map

Reviewed BY / Date: 8/30/10

Logged BY / Date: UCE | B. 18.10



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118166 - Redstone-PBC

		RFA/	COC Number: PEF	08182010 - S - ELAB
Location Code:	E183-CS164		Task:	118166
Sample Number:	PEF0179		Collection Date:	
Sample Name:	E183-CS164-DS-P	EF0179-REG		10.40
Sampling Method:	GRAB			
Sample Type:	DS	Sample Purpose: REG	End Depth:	2'
Sampling Equip: QC Partners:	SS Spoor	)	Sample Matrix:	
(TB)	(ER)	(FB)	Sample Team:	TOTAL STATE STATE
Analytical Suite	Container Fit Frtn Qty Size		ERPIMS	S Values: Sacode:
ARSENIC	N A 1 4	oz CWM	Lot	Control#:
Comments:	B24 N1	and B24 N4	2 pt. Ler	nposite
Sketch Locati	ion: ation has	5 been Survey	ed-see m	ap.



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118166 - Redstone-PBC

			RFA / COC Number: PEF	08182010 - S-ELA
Location Code: Sample Number:			Task: Collection Date:	118166 8.17.10
Sampling Method: Sample Type:		Sample Purpose: REG	Collection Time: Start Depth: End Depth: Sample Matrix: Sample Team:	11:10 1' 2' SOIL
ARSENIC	N A 1 4		Lot	Control#:
Comments:	B25 NI,	B25N3, É	B25N4 3 p	rt. composite
Sketch Locati	on:	de ent. He was a		
lc	cation ho	is been	surreyed - see	e map



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118166 - Redstone-PBC

Manager: Jack Keolsch

		RF	A/COC Number: PEF	08182010-S-ELAB
Location Code:	E183-CS166		Task:	118166
Sample Number:	PEF0181		Collection Date:	8.17.10
Sample Name:	E183-CS166-DS-PI	EF0181-REG	Collection Time:	
Sampling Method:	GRAB			<u>l'</u>
Sample Type:		Sample Purpose: REG	End Depth:	_2'
Sampling Equip:	SS Spoon			
QC Partners: (TB)	(ER)	( <u>FB)</u>	Sample Team:	MG
Analytical Suite	Container Flt Frtn Qty Size		ERPIMS	S Values: Sacode:
ARSENIC	N A 1 4	oz CWM	Lot	Control#:
Comments:	A03E2			
Sketch Locati	on:			
loca	etion has	been Surv	cept - See m	uap.

Reviewed BY / Date: 8 30/10



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118166 - Redstone-PBC

		RFA / COC Number: PEF	08182010-S-ELAB
Location Code:	E183-CS167	Task:	118166
Sample Number:	PEF0182	Collection Date:	
Sample Name:	E183-CS167-DS-PEF0182-REC	Collection Time:	
Sampling Method:	GRAB	Start Denth:	11
Sample Type:	·-	pose: REG End Depth:	2'
Sampling Equip: OC Partners:	SS Stoon	Sample Matrix:	SOIL
(TB)	(E <u>R)</u> (	FB) Sample Team:	ED
Analytical Suite	Containers Flt Frtn Qty Size Units Type		Sacode:
ARSENIC	N A 1 4 oz CWM	Lot	Control#:
Comments:	AISTEI		
Sketch Locati	on:		
loca	ction has been	Surveyed - see ma	þ.



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118166 - Redstone-PBC

		RFA /	COC Number: Ttl	-08187010-2-EA
Location Code:			Task:	118166
Sample Number:	PEF0183		Collection Date:	8.17.10
Sample Name:	E183-CS168-DS-P1	EF0183-REG	Collection Time:	
Sampling Method:	GRAB		Start Denth	l'
Sample Type:	DS	Sample Purpose: REG	End Depth:	2'
Sampling Equip: OC Partners:	SS STOWN		Sample Matrix:	
(TB)	(ER)	( <u>FB</u> )	Sample Team:	MG
Analytical Suite	Container Flt Frtn Qty Size		ERPIMS	S Values: Sacode:
ARSENIC	N A 1 4	oz CWM	Lot	Control#:
Comments:	BZ9 TNS	5		
Sketch Locati				
loca	tion has	been survey	ed - see m	rap.



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118166 - Redstone-PBC

Manager:

Jack Keolsch

		Ri	FA / COC Number: <b>YE</b> F	08185010-2-5146
Location Code:	E183-CS169		Task:	118166
Sample Number:	PEF0184		Collection Date:	8.17.10
Sample Name:	E183-CS169-DS-	PEF0184-REG	Collection Time:	
Sampling Method:	GRAB		Start Depth:	( )
Sample Type:	DS	Sample Purpose: REG	End Depth:	2'
Sampling Equip: QC Partners:	_ 95 5 poi	Υ)	Sample Matrix:	
(TB)	(ER)	( <u>FB</u> )	Sample Team:	
Analytical Suite	Containe Flt Frtn Qty Size		ERPIM:	S Values: Sacode:
ARSENIC	N Å 1 4	oz CWM	Lot	Control#:
Comments:	B2551,	B25S3 & B2	554 3 ph	Cemposite
Sketch Locati	on:			
locat	ion has	been Serv	reged-seen	rap.



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118166 - Redstone-PBC

Manager: Jack Keolsch

		RFA /	COC Number: PEF	08182010 - S - ELAB
Location Code:	E183-CS170		Task:	118166
Sample Number:	PEF0185		Collection Date:	8/17/10
Sample Name:	E183-CS170-DS-PEF01	85-REG	Collection Time:	
Sampling Method:	GRAB			
Sample Type:	DS Sam	ıple Purpose: <b>REG</b>	End Depth:	1' BAS
Sampling Equip: OC Partners:	SS Spoon		Sample Matrix:	
(TB)	(E <u>R)</u>	( <u>FB)</u>	Sample Team:	MG
Analytical Suite	Containers Flt Frtn Qty Size Units	; Туре	ERPIMS	S Values: Sacode:
ARSENIC	N A 1 4 oz	CWM	Lot	Control#:
Comments:	APS TS2	+ TS5		
	2-point	composite		
Sketch Locati	on:	•		
0	dready survey	ed		

Logged BY / Date: Emplane 19/10 Reviewed BY / Date: 8/30/10



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118166 - Redstone-PBC

Manager:

Jack Keolsch

			RFA / COC Number: PEF	08182010 - S - ELAI
Location Code:	E183-CS170		Task:	118166
Sample Number:	PEF0186		Collection Date:	8/17/10
Sample Name:	E183-CS170-DS-P	EF0186-FD	Collection Time:	13:05
Sampling Method:	GRAB		Start Depth:	1' BGS
Sample Type:	DS	Sample Purpose: <b>FD</b>	End Depth:	11 BGS
Sampling Equip: OC Partners:	_8S Spo	DV)	Sample Matrix:	
(TB)	(ER)	(FB)	Sample Team:	MG
Analytical Suite	Containe Flt Frtn Qty Size		ERPIMS	S Values: Sacode:
ARSENIC	N A 1 4	oz CWM	Lot	Control#:
	•	camposite		
Sketch Locati	on:			
alr	eady surv	eyed		



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118166 - Redstone-PBC

Manager: Jack Keolsch

		]	RFA / COC Number: PE	F08182010-S-ELAB
Location Code:	E183-CS171		Task:	118166
Sample Number:	PEF0187			: 8/17/10
Sample Name:	E183-CS171-DS-P	EF0187-REG	Collection Time	
Sampling Method:	GRAB			
Sample Type:	DS	Sample Purpose: REG	Start Depth. End Depth.	. <u>a' bys</u>
Sampling Equip: OC Partners:	SSSpoon		Sample Matrix	: SOIL
(TB <u>)</u>	(ER)	( <u>FB</u> )	Sample Team.	: <u>MG</u>
Analytical Suite	Container Flt Frtn Qty Size		ERPIN	MS Values: Sacode:
ARSENIC	N A 1 4	oz CWM	L	ot Control#:
Comments:	B15 W.			
Sketch Locati	on:			

Logged BY / Date Month 18/18/10

Reviewed BY / Date: 8/30/10



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118166 - Redstone-PBC

Manager: Jack Keolsch

		RFA/COC Number: PEF 08/82010-S-ELAB
Location Code:	E183-CS171	Task: 118166
Sample Number:	PEF0187-MS	Collection Date: 8/17/10
Sample Name:	E183-CS171-DS-PEF0187-MS	Collection Time: 1030
Sampling Method: Sample Type:		Start Depth: 11 BGS
		End Depth:
Sampling Equip: QC Partners:	SS Spoon	Sample Matrix: SOIL
(TB <u>)</u>	(ER) (FB)	Sample Team: M 67
Analytical Suite	Containers Flt Frtn Qty Size Units Type	ERPIMS Values: Sacode:
ARSENIC	N A 1 4 oz CWM	Lot Control#:
Comments:	B15 W.1	
Sketch Locati	on:	

Em Jane 8/18/10 Reviewed BY / Date: 8/30/10



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118166 - Redstone-PBC

Manager:

Jack Keolsch

		R	FA / COC Number: PEF	08182010-S-ELAI
Location Code:	E183-CS171		Task:	118166
Sample Number:	PEF0187-MSD		Collection Date:	
Sample Name:	E183-CS171-DS	-PEF0187-MSD	Collection Time:	
Sampling Method:	GRAB		Stant Donth	<b>(</b> 1
Sample Type:	DS	Sample Purpose: MSD	End Depth:	g. PSGS
Sampling Equip: OC Partners:	<u>SS</u>	Sport	Sample Matrix:	SOIL
(TB)	(ER)	(FB)	Sample Team:	MG
Analytical Suite	Contain Flt Frtn Qty Siz	iers ze Units Type	ERPIMS	S Values: Sacode:
ARSENIC	N A 1 4	oz CWM	Lot	Control#:
Comments:	<b>b</b> 15	w.1_		
Sketch Locati	ion•			



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118166 - Redstone-PBC

Manager: Jack Keolsch

		RFA /	COC Number: <u>FL</u> T	0818 7010-2-574
Location Code:	E183-CS172		Task:	118166
Sample Number:	PEF0188		Collection Date:	8/19/10
Sample Name:	E183-CS172-DS-PEI	F0188-REG	Collection Time:	
Sampling Method:	GRAB			
Sample Type:	DS	Sample Purpose: <b>RE</b> G	End Depth:	1 BGS
	SS 3poor	<u> </u>	Sample Matrix:	
QC Partners: (TB)	(ER)	( <u>FB</u> )	Sample Team:	MG
Analytical Suite	Containers Flt Frtn Qty Size U	Jnits Type	ERPIMS	S Values: Sacode:
ARSENIC	N A 1 4	oz CWM	Lot	Control#;
Comments:	AI8 TEL			
Sketch Locati	lon:		, ,	

Logged BY / Date: Profile 8/18/16

8/18/10 Reviewed BY / Date:

8/50/10



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118166 - Redstone-PBC

			RFA/COC Number: PEF 08182010-5-ELAB
Location Code:	E183-CS173		Task: 118166
Sample Number:	PEF0189		Collection Date: 8/17/10
Sample Name:	E183-CS173-DS-	PEF0189-REG	Collection Time: 11:20
Sampling Method:			Start Depth: G  End Depth: G  End Depth: G
Sample Type:	DS	Sample Purpose: <b>RE</b> 0	G End Depth:
Sampling Equip: QC Partuers:	<u>ss</u> s	poon	Sample Matrix: SOIL
(TB)	(ER)	(FB)	Sample Team: MG
Analytical Suite	Contain Flt Frtn Qty Size		ERPIMS Values: Sacode:
ARSENIC	N A 1 4	oz CWM	Lot Control#:
Comments:	402 t	<b>=4</b>	
Sketch Locati			



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118166 - Redstone-PBC

		RF	A / COC Number: PEF	08182010-5-ELAB
Location Code:	E183-CS174			118166
Sample Number:	PEF0190		Collection Date:	61 -1.
Sample Name:	0E183-CS174-	DS-PEF0190-REG	Collection Time:	
Sampling Method:	GRAB		Start Depth:	\$ 1' 00C
Sample Type:	DS	Sample Purpose: REG	End Depth:	2, 200
Sampling Equip: QC Partners:	_SS_	3000	Sample Matrix:	SOIL
(TB)	(ER)	(FB)	Sample Team:	MG
Analytical Suite	Conta Flt Frtn Qty S	iners ize Units Type	ERPIMS	S Values: Sacode:
ARSENIC	N A 1	4 oz CWM	Lot	Control#:
Comments:		on has been surv	eved - see m	ap



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118166 - Redstone-PBC

Jack Keolsch Manager:

			RFA/COC Number: PEF	08182010-S-ELAB
Location Code:	E183-CS175		Task:	118166
Sample Number:	PEF0191		Collection Date:	
Sample Name:	E183-CS175-DS-P	EF0191-REG	Collection Time:	
Sampling Method:	GRAB			
Sample Type:	DS	Sample Purpose: <b>RE</b> (	End Depth:	1 BGS
Sampling Equip: QC Partners:	SS Sp	000	Sample Matrix:	
(TB)	(ER)	(FB)	Sample Team:	ED
Analytical Suite	Container Flt Frtn Qty Size		ERPIM	S Values: Sacode:
ARSENIC	N A 1 4	oz CWM	Lot	Control#:
Comments:	A 12 To	S5		
Sketch Locati	on: Inration	has been su	rveved - see ma	.D



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118166 - Redstone-PBC

Manager: Jack Keolsch

Location Code: Sample Number: Sample Name: Sampling Method: Sample Type:	PEF0192 E183-CS17 GRAB	6 6-DS-PEF0192-REG Sample Purpose: REC	RFA/COC Number: PEF08[82010-S-ELAB  Task: 118166  Collection Date: 8/17/10  Collection Time: 1125  Start Depth: 2 BES
Sampling Equip: OC Partners: (TB)	SS <u>s</u>	(FB)	
Analytical Suite ARSENIC		ntainers y Size Units Type 4 oz CWM	ERPIMS Values: Sacode: Lot Control#:
Comments:	ΑØ	1 TE4	
Sketch Locati	ion:/.vca>	tion has been cur	would - See map

ogged BY / Date: 8/18/10 Reviewed BY / Date: 8/30/10



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118166 - Redstone-PBC

Manager:

Jack Keolsch

			RFA / COC Number: PEF	08182010-S-ELAB
Location Code:	E183-CS177			118166
Sample Number:	PEF0193		Collection Date:	8/17/10
Sample Name:	E183-CS177-DS-F	PEF0193-REG	Collection Time:	1150
Sampling Method:	GRAB		Start Depth:	l' acc
Sample Type:	DS	Sample Purpose: <b>RE</b> 0	G End Depth:	1' 69S
Sampling Equip:	SS SF	200 C	Sample Matrix:	
QC Partners: (TB)	(E <u>R)</u>	( <u>F</u> B)	Sample Team:	MG
Analytical Suite	Containe Flt Frtn Qty Size		ERPIMS	S Values: Sacode:
ARSENIC	N Å 1 4	oz CWM	Lot	Control#:
Comments:	AØ3 W	2		
Sketch Locati	on: Location	on has been	surveyed - see	map



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118166 - Redstone-PBC

	177	RFA / COC Number: YE	LODID WID 3-FI
Location Code:	E183-CS191	Task:	118166
Sample Number:	PEF0209 MS 193	Collection Date:	
Sample Name:	E183-CS191-DS-PEF0209-MS	Collection Time:	•
Sampling Method:	GRAB	Start Depth:	•
Sample Type:	DS Sample P	urpose: MS End Depth:	1' BGS
Sampling Equip:	SS spoon	Sample Matrix:	
QC Partners: (TB)	(ER)	(FB) Sample Team:	MG
Analytical Suite	Containers Flt Frtn Qty Size Units Typ		S Values: Sacode:
ARSENIC	N A 1 4 oz CWM	Lot	Control#:
Comments:	A \$3 W3		
Sketch Locati	on: Location has	been surveyed - see	map



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118166 - Redstone-PBC

Manager:	Jack	Keolsch
111111111111111111111111111111111111111	Ottest	11001001

	127		RFA/COC Number: PEF	-08182010-S-ELAB
	E183-CS191		Task:	118166
Sample Number:	PEF0 <del>209</del> -MSD		Collection Date:	
Sample Name:	E183-CS <del>191-</del> DS-P	EF0 <del>209</del> -MSD	Collection Time:	
Sampling Method:	GRAB 177	(93	Start Depth:	
Sample Type:	DS	Sample Purpose: MSI	End Depth:	2,00
Sampling Equip: QC Partners:	SS Spi	<u>√87</u>	Sample Matrix:	
(ТВ)	(ER)	(FB)	Sample Team:	MG
Analytical Suite	Containe Flt Frtn Qty Size		ERPIMS	S Values: Sacode:
ARSENIC	N A 1 4	oz CWM	Lot	Control#:
Comments:	<i>Аф3</i> и	13		
Sketch Locati	on: Location	has been	Surveyed - see m	nap



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118166 - Redstone-PBC

Manager:

Jack Keolsch

		RFA	/ COC Number: 14-08182010-3-ELF
Location Code:	E183-CS178		Task: 118166
Sample Number:	PEF0194		Collection Date: 817/10
Sample Name:	E183-CS178-DS-PE	F0194-REG	Collection Time: 1140
Sampling Method:	GRAB		Start Depth: 11, 0, c.c.
Sample Type:	DS	Sample Purpose: REG	Start Depth: 11 BGS End Depth:
Sampling Equip:	SSEPOON		Sample Matrix: SOIL
QC Partners: (TB)	(ER)	( <u>FB</u> )	Sample Team: ED
Analytical Suite	Containers Flt Frtn Qty Size		ERPIMS Values: Sacode:
ARSENIC	N A 1 4	oz CWM	Lot Control#:
Comments:	Ala TN'	4	
Sketch Locat	ion: Location h	las been surveyed	d - see map



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118166 - Redstone-PBC

			RFA / COC Number: PE	08182010-S-ELAB
Location Code:	E183-CS179			118166
Sample Number:	PEF0195			8/17/10
Sample Name:	E183-CS179-DS-P	EF0195-REG	Collection Time:	<u> </u>
Sampling Method:	GRAB		=	
Sample Type:	DS	Sample Purpose: REG	Start Depth: End Depth:	2, 646
Sampling Equip:  OC Partners:	88 Sp	007	Sample Matrix:	
(TB <u>)</u>	(ER)	( <u>F</u> B)	Sample Team:	ED
Analytical Suite	Container Flt Frtn Qty Size		ERPIM	S Values: Sacode:
ARSENIC	N A 1 4	oz CWM	Lot	Control#:
Comments:	AID TW	<b>}</b>		
Sketch Locati	ion: Location	n has been s	urveyed - see	map



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118166 - Redstone-PBC

		]	RFA/COC Number: PEF08182010-S-ELAG
Location Code:	E183-CS180		Task: 118166
Sample Number:	PEF0196		Collection Date: 8/17/10
Sample Name:	E183-CS180-DS-P	EF0196-REG	Collection Time: 1130
Sampling Method:	GRAB		Start Depth: 1 BGS
Sample Type:	DS	Sample Purpose: REG	End Depth:
Sampling Equip: OC Partners:	SS 8000	<u> </u>	Sample Matrix: SOIL
(TB)	(ER)	( <u>FB</u> )	Sample Team: MG
Analytical Suite	Container Flt Frtn Qty Size		ERPIMS Values: Sacode:
ARSENIC	N A 1 4	oz CWM	Lot Control#:
Comments:	AØ2 ·	TW 2-	
Sketch Locati	on: Loo Lion	has been su	rveyed - see map



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118166 - Redstone-PBC

			RFA/COC Number: PER	08182010-S-ELAB
Location Code:	E183-CS180		Task:	118166
Sample Number:	PEF0197		Collection Date:	
Sample Name:	E183-CS180-DS-P	EF0197-FD	Collection Time:	· · · · · · · · · · · · · · · · · · ·
Sampling Method: Sample Type:		Sample Purpose: <b>FD</b>	Start Depth:	1, 245
		Sumple 1 in pose. FD	End Depth:	<u> </u>
Sampling Equip: OC Partners:		200/)	Sample Matrix:	SOIL
(TB)	(ER)	( <u>FB</u> )	Sample Team:	MG
Analytical Suite	Containe Flt Frtn Qty Size		ERPIMS	S Values: Sacode:
ARSENIC	N A 1 4	oz CWM	Lot	Control#:
Comments:	Aφ	2 TWZ		
Sketch Locati	on: Location	has been sui	rveyed - see n	nap



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118166 - Redstone-PBC

Manager:

Jack Keolsch

		RFA / C	OC Number: <u>Yt</u> l	-08182010-3-FI
Location Code:	E183-CS181		Task:	118166
Sample Number:	PEF0198		Collection Date:	A 1
Sample Name:	E183-CS181-DS-P	EF0198-REG	Collection Time:	
Sampling Method:	GRAB		Start Depth:	
Sample Type:	DS	Sample Purpose: REG	End Depth:	_ / 1/2 ( )
Sampling Equip: OC Partners:	SS spoor	<u> </u>	Sample Matrix:	
(TB)	(ER)	( <u>F</u> B)	Sample Team:	MG
Analytical Suite	Container Fit Frtn Qty Size		ERPIMS	S Values: Sacode:
ARSENIC	N A 1 4	oz CWM	Lot	Control#:
Comments:				
Sketch Locati	on: Location	has been surveyed	d- see m	ap

3



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118166 - Redstone-PBC

		RFA / CO	OC Number: <u>Yと</u>	108182010-S-ELA
Location Code:	E183-CS182		Task:	118166
Sample Number:	PEF0199		Collection Date:	
Sample Name:	E183-CS182-DS-PEF01	99-REG	Collection Time:	
Sampling Method:	GRAB			
Sample Type:	DS San	ıple Purpose: REG	End Depth:	1' BES
Sampling Equip: QC Partners:	- 83 Spor	<b>S</b>	Sample Matrix:	SOIL
(TB)	(E <u>R)</u>	( <u>FB)</u>	_ Sample Team:	MG
Analytical Suite	Containers Flt Frtn Qty Size Units	туре	ERPIMS	S Values: Sacode:
ARSENIC	N A 1 4 oz	CWM	Lot	Control#:
Comments:	B29 TS1	+ +53-		
Sketch Locati	on:			
	Location has b	een surveyed -	see map	



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118166 - Redstone-PBC

		RFA / C	COC Number: 444	08185010-2-Fr4R
Location Code:	E183-CS183			118166
Sample Number:	PEF0200		Collection Date:	_
Sample Name:	E183-CS183-DS-PEF02	00-REG	Collection Times	1000
Sampling Method:	GRAB		Start Denth	11 BES
Sample Type:	DS San	nple Purpose: REG	End Depth:	a Bel
Sampling Equip: OC Partners:	S Spoon		Sample Matrix:	
(TB)	(E <u>R)</u>	( <u>F</u> B)	Sample Team:	ED .
Analytical Suite	Containers Flt Frtn Qty Size Unit	s Type	ERPIMS	S Values: Sacode:
ARSENIC	N A 1 4 oz	CWM	Lot	Control#:
Comments:	A\$453			
Sketch Locati		surveyed -	see map	



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GM.

118166 - Redstone-PBC

Manager:

Steve Moran

PEF06092010-S-ELAB

			RFA / COC Number:	10612010-561A6
Location Code:				118166
Sample Number:			Collection Date:	7 June 10
Sample Name:	E183-SPL02-SO-PI	EF9002-REG	Collection Time:	7)
Sampling Method:			Start Depth:	0 bgs
Sample Type:		Sample Purpose: R	<b>EG</b> End Depth:	1 /
Sampling Equip: OC Partners:	Itamed auger		Sample Matrix:	SOIL
(ТВ)	(ER)	( <u>FB</u> )	Sample Team:	ml/ms
Analytical Suite TCLP METAL	Containers Flt Frtn Qty Size N A 1 4			S Values: Sacode: Control#:
Comments:	Field 10 19	3 <del>EØITCLP</del> 1 18	Full 1DACEFTULP	
Sketch Locati	on: covered by	grewel.	I from area CFF.	Ones Défines
			Pending Like	
	Oran	C	Grand road	

Logged BY / Date: 77/16 7 Opine 10

Reviewed BY / Date: Emilyamum 6/17/10



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118166 - Redstone-PBC

Manager: Steve Moran

		]	RFA / COC Number: PEF	06092010-S-ELAB
Location Code:				118166
Sample Number:			Collection Date:	4 June 10
•	E183-SPL03-SO-P	EF9003-REG	Collection Time:	
Sampling Method:			Start Depth:	O'bac
Sample Type:		Sample Purpose: <b>REG</b>	End Depth:	
Sampling Equip: OC Partners:	Wanel auger		Sample Matrix:	SOIL
(TB)	(ER)	(FB)	Sample Team:	ml-/RR/IG
	Container			S Values:
Analytical Suite TCLP METAL	Flt Frtn Qty Size N A 1 4	Units Type oz CWMG		Sacode:Control#:
ACCES HIPPINE	14 PK 1 T	UZ CWMG		Congoin.
Sketch Locat  x= sample lo	ion:	of 10 sample f	322 TCLP worth	
		Digney	and the second	
	X	X X X X		

Logged BY / Date:

272 Yel 4 June)

4 June 10 Reviewed BY / Date: Englowne

2 Danuar Ginla



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118166 - Redstone-PBC

Manager: Steve Moran

		RFA	/COC Number: 14	-06092010-SELAB
Location Code:			Task:	118166
Sample Number:			Collection Date:	3 June 10
Sample Name:	E183-SPL04-SO-PEF9004-REG		Collection Time:	1 <sup>4</sup> 45
Sampling Method:	HA		Start Depth:	0' b33
Sample Type:		Sample Purpose: REG	End Depth:	
Sampling Equip:	Hamel aux	μn	Sample Matrix:	
QC Partners: (TB)	(ER)	(FB)	Sample Team:	2778/RR/JG
Analytical Suite	Containe Flt Frtn Qty Size		ERPIM	S Values: Sacode:
TCLP METAL	N A 1 4	oz CWMG	Lot	Control#:
Comments:	Field 1D Composite.	of 10 sample points		
Sketch Locati	•	•		
X= Sample	location			
	B19 x	X X X X X X X X X X X X X X X X X X X		



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118166 - Redstone-PBC

Manager: Steve Moran

		R	FA / COC Number: PEF	06092010-S-ELAB
Location Code:			Task:	118166
Sample Number:			Collection Date:	3 June 10
-	E183-SPL05-SO-	PEF9005-REG	Collection Time:	1310
Sampling Method:		•	Start Depth:	01595
Sample Type:		Sample Purpose: REG	End Depth:	
Sampling Equip: OC Partners:	- Hamel au	ieur	Sample Matrix:	SOIL
(TB)	(ER)	( <u>FB</u> )	Sample Team:	7772-/RR/JG
Analytical Suite	Containe Flt Frtn Qty Size		ERPIM	S Values: Sacode:
TCLP METAL	N A 1 4	oz CWMG	Lot	Control#:
Comments: Sketch Locati	Composit of	183B18TCLP		
X=Sample locat	Big	x x x x x x x x x x x x x x x x x x x	×	



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118166 - Redstone-PBC

Manager: Steve Moran

			RFA / C	COC Number:PEF	06092010-S-EZAB
Location Code:	PEF9006 E183-SPL06-SO-PEF9006-REG			Task:	118166
Sample Number:				Collection Date:	3 June 10
-				Collection Time:	
Sampling Method:	HA			Start Depth:	0 ' bos
Sample Type:	so	SO Sample Purpose: REG		End Depth:	
Sampling Equip:	<u>hand auger</u>			Sample Matrix:	SOIL
QC Partners: (TB)	(ER)	(FB)		Sample Team:	27/2-/RR/JG
Analytical Suite	Containers Flt Frtn Qty Size Units Type			ERPIMS	S Values: Sacode:
	N A 1 4	oz CWMG		Lot	Control#;
Sketch Locati  X= sam ple	Composite o	183B20FCLF			
B	20 ×	x x x x x x	*		
		Dig	ney		

Logged BY / Date:

MILL 3 June 1

Reviewed BY / Date: The Gameun le /17/10



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118166 - Redstone-PBC

Manager: Steve Moran

		RF.	A / COC Number: PEF	06092010-SELAB
Location Code:				118166
Sample Number:			Collection Date:	3 Oum 10
<del>-</del>	E183-SPL07-SO-I	PEF9007-REG	Collection Time:	1055
Sampling Method:			Start Depth:	01 hec
Sample Type:	SO	Sample Purpose: REG	End Depth:	1, 33
Sampling Equip:	hand au	ger	Sample Matrix:	SOIL
(TB)	(ER)	( <u>FB)</u>	Sample Team:	ms
Analytical Suite	Containe Flt Frtn Qty Size		ERPIM:	S Values: Sacode:
TCLP METAL	N A 1 4	oz CWMG	Lot	Control#:
Comments:	Fuld 10	183B17TCLP		
	Composite			
Sketch Locati	on:			
X = Sampl	e location			
·				
	B17	X X X	× × × × × × ×	

Logged BY / Date: 777 Jsh 3 June 10

Reviewed BY / Date: Emissioner

e/in/i



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118166 - Redstone-PBC

Manager:

		·	RFA / COC Number: <u>PEF</u>	61/2010-S-ELAB
Location Code:			Task:	118166
Sample Number:			Collection Date:	6/10/10
<b>-</b>		O-PEF9009-REG	Collection Time:	13:25
Sampling Method:			Start Depth:	O' bas
Sample Type:		Sample Purpose: REG	End Depth:	
Sampling Equip: QC Partners:	Hund a	iuger	Sample Matrix:	SOIL
(TB)	(E <u>R</u> )	(FB)	Sample Team:	ma/VB
Analytical Suite	Conta Flt Frtn Qty S	niners Size Units Type	ERPIMS	S Values: Sacode:
TCLP METAL	N A 1	4 oz CWMG	Lot	Control#:
Comments:	Field ID	: 183 - B14-TCLP of 10 swmple per	nila .	
Sketch Locati	ion:	ω² <sub>iω³ ,</sub> ξ² , l	3/	
		, mi	Over B14	



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118166 - Redstone-PBC

Manager:

		RFA	A / COC Number: fe	FOD112010-S-ELAC
Sampling Method: Sample Type:	PEF9010 E183-SPL10-SO-PEF HA		Task:  Collection Date:  Collection Time:  Start Depth:  End Depth:  Sample Matrix:  Sample Team:	118166 6/10/10 10:55 0' b35 / SOIL
Analytical Suite TCLP METAL  Comments:	Flt Frtn Qty Size U N A 1 4	nits Type oz CWMG  183-BI6-TCLP 10 seumple puints	Lot	Sacode: Control#:
Sketch Locati	on:  wax was  was  was  was	E5 E4	Onen BIL	



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118166 - Redstone-PBC

Manager:

			RFA / COC Number: 🖭	FO6112010-SEUB
Location Code:			Task:	118166
Sample Number:			Collection Date:	6/10/10
-	E183-SPL11-SO-Pl	EF9011-REG	Collection Time:	15:35
Sampling Method:			Start Depth:	0' he
Sample Type:		Sample Purpose: REG	End Depth:	1' 3
Sampling Equip: QC Partners:	Thornd augus		Sample Matrix:	SOIL
(TB)	(ER)	( <u>FB</u> )	Sample Team:	M9
Analytical Suite	Containers Flt Frtn Qty Size	="	ERPIM	S Values: Sacode:
TCLP METAL	N A 1 4	oz CWMG	Lot	Control#:
Comments:	Field ID: 1	10 sumple points		
Sketch Locati	on:			
	N / w2	my Ez Fr	Aree B13	



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118166 - Redstone-PBC

Manager: Steve Moran

			RFA / COC Number: PEF	-14/12010-S-ELAB
Location Code:			Task:	118166
Sample Number:			Collection Date:	6/8/10
•	E183-SPL12-SO-P	EF9012-REG	Collection Time:	11:15
Sampling Method:			Start Depth:	
Sample Type:		Sample Purpose: R	EG End Depth:	
Sampling Equip: QC Partners:	Warel augus		<b>F</b>	
(TB)	(E <u>R)</u>	( <u>FB</u> )	Sample Team:	My JUBEM
Analytical Suite	Containers Flt Frtn Qty Size		ERPIMS	S Values: Sacode:
TCLP METAL	N A 1 4	oz CWMG	Lot	Control#:
Comments:	Field ID: Composit of	183-AØTTCL 10 sample per	.P inti	
Sketch Locati	on:		: •	
	21 ° 7 25 25 25 25 25 25 25 25 25 25 25 25 25	N3 N1 N2 N2 N3	area AØ7	



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118166 - Redstone-PBC

Manager: Steve Moran

		RFA / COC Number: YEF	-06112010-SECAB
Location Code:	E183-SPL13		118166
Sample Number:	PEF9013	Collection Date:	6/8/10
Sample Name:	E183-SPL13-SO-PEF9013-REG	Collection Time:	<del></del>
Sampling Method:	НА	Start Depth:	
Sample Type:	SO Sample Purpo		, Of s
Sampling Equip: QC Partners:	Wand augu	Sample Matrix:	SOIL
(TB)	(ER) (FB)	) Sample Team:	7778 / FM
Analytical Suite TCLP METAL  Comments:	Containers Fit From Qty Size Units Type N A 1 4 oz CWMG  Field ID: 183-AØ8  Composite of 10 sample	Lot	S Values: Sacode: Control#:
Sketch Locati	ion:    N   N   N   N   N   N   N   N   N	Ones AØ8	



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118166 - Redstone-PBC

Manager:

			RFA / COC Number: PEF	-06162010-S-Elab
Location Code:	E183-SPL14		Task:	118166
Sample Number:	PEF9014		Collection Date:	6-14-10
Sample Name:	E183-SPL14-SO-P	EF9014-REG	Collection Time:	
Sampling Method:	HA		Start Depth:	0' bas
Sample Type:		Sample Purpose: <b>REG</b>	End Denth:	1 i 🔾
Sampling Equip: QC Partners:	Island as	Lŷn	Sample Matrix:	
(TB)	(ER)	(FB)	Sample Team:	RR/JG/OA/VB
Analytical Suite	Containers Flt Frtn Qty Size		ERPIMS	S Values: Sacode:
TCLP METAL	N A 1 4	oz CWMG	Lot	Control#:
Sketch Locati	O Comprair son	Mple ptn  B28  N2 N3  N1  N5 N4  52 53  S1  S1  S4	B17	



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118166 - Redstone-PBC

Manager:

Steve Moran

Sampling Method. Sample Type:	PEF9015 E183-SPL15-SO-PEF9015-RE HA SO Sample Pa	CG urpose: REG (FB)	Task:  Collection Date:  Collection Time:  Start Depth:  End Depth:  Sample Matrix:  Sample Team:  ERPIMS	1505 
Sketch Locat	143-1328 TCLP 8-1 Composite of 10 sample ion:  1329  No N	- poort		

Logged BY / Date: 777.91

Reviewed BY / Date: Like 6/16/10



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118166 - Redstone-PBC

Manager:

		RFA	A/COC Number: PE	=06/62010-S-E1A6
Location Code:			Task:	118166
Sample Number:	PEF9016		Collection Date:	6-14-16
Sample Name:	E183-SPL16-SO-P	EF9016-REG	Collection Time:	
Sampling Method:	HA			O' bas
Sample Type:	-	a mpost in Eq.	End Depth:	1'
Sampling Equip: OC Partners:	- Hand aug	7	Sample Matrix:	
(TB)	(ER)	(FB)	Sample Team:	RR/JG/OA/VB
Analytical Suite	Container Flt Frtn Qty Size		ERPIMS	Sacode:
TCLP METAL	N A 1 4	oz CWMG	Lot	Control#:
Sketch Locati		P 0-1 D sample pte		
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	B18	N3 N3	319	
		51 55	820	
	and the second s	Digney Road	and the second s	



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118166 - Redstone-PBC

Manager:

		I	RFA / COC Number: <u>  <i>PE</i></u>	F06162010-5-E1A6
Location Code:				118166
Sample Number:			Collection Date:	6-14-10
•		)-PEF9017-REG	Collection Time:	1115
Sampling Method:			Start Depth:	0 555
Sample Type:		Sample Purpose: REG	End Depth:	
Sampling Equip: QC Partners:	Hamel a	ugis	Sample Matrix:	SOIL
(TB)	(E <u>R)</u>	(FB)	Sample Team:	RR/JG/OA/VB
Analytical Suite		ze Units Type	ERPIMS	S Values: Sacode:
TCLP METAL	N A 1	4 oz CWMG	Lot	Control#:
Sketch Locati		10 sample pbs  W1  W1  S2  S3  S5  S4	18	
		Dign	ey Road	



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118166 - Redstone-PBC

Manager: Sto

			RFA / CO	OC Number: PE	F06162010-S-Elab
Location Code:	E183-SPL18			Task:	118166
Sample Number:	PEF9018				6-14-10
Sample Name:	E183-SPL18-SO-P	EF9018-REG		Collection Time:	
Sampling Method:	НА			Start Depth:	4
Sample Type:		Sample Purpose		End Depth:	., 253
Sampling Equip: OC Partners:	Wand all	eyer		Sample Matrix:	
(ТВ)	(ER)	(FB)		_ Sample Team:	RR/JG/OA/VB
Analytical Suite	Container Flt Frtn Qty Size				S Values: Sacode:
TCLP METAL	N A 1 4	oz CWMG		Lot	Control#:
Sketch Locati	11 to transport	B13			

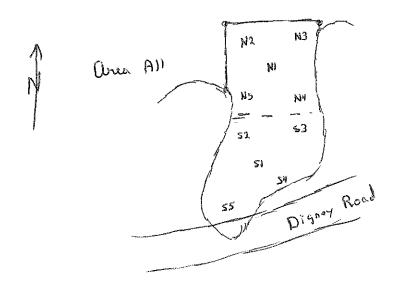


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118166 - Redstone-PBC

Manager: Steve Moran

I	E102 CBI 10	RFA	COC Number: PE	F 06 16 2010 - S-Elab
Location Code:			Task:	118166
Sample Number:	PEF9019		Collection Date:	6-15-10
Sample Name:	E183-SPL19-SO-	PEF9019-REG	Collection Time:	140 1040
Sampling Method:	HA		Start Depth:	O' No
Sample Type:	so	Sample Purpose: <b>REG</b>	End Depth:	1' 45
Sampling Equip: C Partners:	Hand	allejir	Sample Matrix:	SOIL
(ТВ)	(ER)	( <u>F</u> B)	Sample Team:	RR/JG/OA/YB
Analytical Suite	Containe Flt Frtn Qty Size		ERPIMS	S Values: Sacode:
TCLP METAL	N A 1 4	oz CWMG	Lot	Control#:
Comments:	A-681 JA-68	11 TCLP 0-1		
	<u>'</u>	· · ·		
Sketch Locati	on:			



Logged BY / Date: 777 Yel 15 Gum 10

Reviewed BY / Date: Bel 6/16/10



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118166 - Redstone-PBC

Manager: Steve Moran

		RF	FA / COC Number: <u>//</u> E	F06162010-5-E1A6
Location Code:			Task:	118166
Sample Number:			Collection Date:	6-15-10
Sample Name:	E183-SPL20-SO-I	PEF9020-REG	Collection Time:	0925
Sampling Method:	HA		Start Depth:	0' bss
Sample Type:		Sample Purpose: <b>REG</b>	End Depth:	1' 05'5
Sampling Equip: QC Partners:	Idand as	iger	_	SOIL
(TB)	(ER)	(FB)	Sample Team:	RR/JU/OA/VB
Analytical Suite	Containe Flt Frtn Qty Size		ERPIMS	S Values: Sacode:
TCLP METAL	N A 1 4	oz CWMG	Lot	Control#:
Sketch Locati	ion:	AOL		
N Ova	A 100 wi	WY E5 E4	AII	



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118166 - Redstone-PBC

Manager: Steve Moran

		RFA / COC Number: PE	F06182010-5-E1Ab
Location Code:	E183-SPL21	Task:	118166
Sample Number:	PEF9021	Collection Date:	16 Our. 10
Sample Name:	E183-SPL21-SO-PEF9021-REG	Collection Time:	<i>y</i>
Sampling Method:	HA	Start Depth:	6
Sample Type:	SO Sample Purpose: RE	<u> </u>	. #
Sampling Equip: QC Partners:	Wand augur	Sample Matrix:	
(TB)	(ER) ( <u>FB</u> )	Sample Team:	RR/JG/OA/VB
Analytical Suite	Containers Flt Frtn Qty Size Units Type N A 1 4 oz CWMG		S Values: Sacode: Control#:
Comments:	183 AØ2TCLP 0-1'	plo	
Sketch Locati	on:		
	ws wy ks fu	arun 192	



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118166 - Redstone-PBC

Manager:

	RFA	A/COC Number: PEF 06182010 - S-E145
Location Code:		Task: 118166
Sample Number:		Collection Date: Ho 15 June 10
Sample Name:	E183-SPL22-SO-PEF9022-REG	Collection Time: 145 1140
Sampling Method:		Start Depth:O (
Sample Type:	•	End Depth:'
Sampling Equip: QC Partners:	Haord auger	Sample Matrix: SOIL
(TB)	( <u>FB</u> )	Sample Team: RR/J6/0A/VB
Analytical Suite	Containers Flt Frtn Qty Size Units Type	ERPIMS Values:  Sacode:
TCLP METAL	N A 1 4 oz CWMG	Lot Control#:
Sketch Locati	ntring elamper of to elicognos	-
	10 11 12 E3 L4 L3 L4 L5 L5 L4 L5	a Oren Alle



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118166 - Redstone-PBC

Manager: Steve Moran

		RFA	(COC Number: <i>PE</i>	F06182010-5-ElAb
Location Code:			Task:	118166
Sample Number:			Collection Date:	16 June 10
-	E183-SPL23-SO-P	EF9023-REG		1040
Sampling Method:			Start Depth:	0
Sample Type:		Sample Purpose: <b>REG</b>	End Depth:	
Sampling Equip: C Partners:	Hand ar	egis	Sample Matrix:	SOIL
(TB)	(E <u>R</u> )	(FB)	Sample Team:	RR/JU/OA/VB
Analytical Suite	Container Flt Frtn Qty Size	Units Type		S Values: Sacode:
TCLP METAL	N A 1 4	oz CWMG	Lot	Control#:
Comments:	183AØ	3TCLP 0-1' of 10 bample pts		
Sketch Locati	ion:	ES EN	Oven Ag	3



118166 · Redstone- PBC

Manager:

	Ri	FA / COC Number: <u>  E t</u>	-06182012-5-Elah
		Task:	118166
		Collection Date:	6-16-10
E183-SPL24-SO-P	EF9024-REG	Collection Time:	1600
		Start Depth:	O' boc
SO	Sample Purpose: <b>REG</b>	End Depth:	1, 993
- Warrel au	jer	Sample Matrix:	SOIL
(ER)	(FB)	Sample Team:	RR/JG/OR/VB
		ERPIM:	S Values: Sacode:
N A 1 4	oz CWMG	Lot	Control#:
on:			
Carrent Carre	EU, 2H,	Orun A04	
	HA SO  Vand aug  (ER)  Container  Flt Frtn Qty Size  N A 1 4	E183-SPL24 PEF9024 E183-SPL24-SO-PEF9024-REG  HA SO Sample Purpose: REG  Zanel aigur  (ER) (FB)  Containers Flt Frtn Qty Size Units Type N A 1 4 0z CWMG  83-A04-TCLP 0-1  Composed of 10 bample pla  on:	E183-SPL24 PEF9024  E183-SPL24-SO-PEF9024-REG  E183-SPL24-SO-PEF9024-REG  HA  Start Depth: So  Sample Purpose: REG  End Depth: Sample Matrix:  (ER) (FB) Sample Team:  Containers Flt Frtn Qty Size Units Type  N A 1 4 0z CWMG  ERPIMS  83-A04-TCLP 0-1  Composed of 10 pample pla  on:



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118166 - Redstone-PBC

Manager:

Steve Moran

		RFA / COC Number: PEF	-06182010-5-5146
Location Code:		Task:	118166
Sample Number:	PEF9025	Collection Date:	6-17-10
Sample Name:	E183-SPL25-SO-PEF9025-REG	Collection Time:	0900
Sampling Method:	НА		a' bes
Sample Type:		End Depth:	
Sampling Equip: QC Partners:	- Wand augu	Sample Matrix:	SOIL
(TB)	(ER) (FB)	Sample Team:	RR/JG/OA/VB
Analytical Suite	Containers Flt Frtn Qty Size Units Type	ERPIM	S Values: Sacode:
TCLP METAL	N A 1 4 oz CWMG	Lot	t Control#:
Sketch Locati	ion:		<u> </u>
	Twi TE-3	Orea ASI	

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118166 - Redstone-PBC

Manager:

Steve Moran

		RF	A / COC Number: PEF 06182010-5-E126
Location Code:	E183-SPL26		Task: 118166
Sample Number:	PEF9026		Collection Date: 6-17-10
Sample Name:	E183-SPL26-S	O-PEF9026-REG	Collection Time: D900 1030
Sampling Method:	HA		Start Depth:O' bas
Sample Type:	so	Sample Purpose: <b>REG</b>	End Depth:
Sampling Equip:	Han	daugu	Sample Matrix: SOIL
B)	(ER)	(FB)	Sample Team: RR/JG-JOA/VB
Ahalytical Suite	Conta Flt Frtn Qty S	iners Size Units Type	ERPIMS Values: Sacode:
TCLP METAL	N A 1	4 oz CWMG	Lot Control#:
Comments:	183-A05-7 Composit	CLP 0-1 of 10 sample ptr	

Logged BY / Date: M. J. July 17 June 10

Reviewed BY / Date: Bu 6/18/10



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118166 - Redstone-PBC

Manager:

		I	RFA / COC Number: 🔑	-06182010-5-E145
Location Code:	E183-SPL27			118166
Sample Number:	PEF9027		Collection Date:	1
*Sample Name:	E183-SPL27-SO-	PEF9027-REG	Collection Time:	
Sampling Method:	НА			D' 635
Sample Type:	so	Sample Purpose: <b>REG</b>	End Depth:	
Sampling Equip: QC Partners:	Islamel a	ugir		
(TB)	(ER)	(FB)	Sample Team:	PR/JG/OA/VB
Analytical Suite	Containe Flt Frtn Qty Size		ERPIM	S Values: Sacode:
TCLP METAL	N A 1 4	oz CWMG	Lot	Control#:
Sketch Locati		NS . WI NY  S2 . S3  S1 . SY	Oren A12	
•	,	1.55		



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118166 - Redstone-PBC

Manager:

Steve Moran

Location Code:	E183-SPL28		RFA / CO		062410-S-EMP 118166
Sample Number: Sample Name:	PEF9028 E183-SPL28-SO-PE	F9028-REG		Collection Date:	6-18-10
Sampling Method: Sample Type:	HA	Sample Purpose: R	EG	End Depth:	O'bgs
QC Partners: (TB)	(ER) NA		Hugen UA	Sample Matrix: Sample Team:	,
Analytical Suite TCLP METAL	Containers Flt Frtn Qty Size U N A 1 4			ERPIMS	
Comments: \	83-A14-TC1	P 0.1			
Sketch Location x= sample location Arun A	tion 2	3 <sub>×</sub> 1 × 1 × 5	2 ×	3 x	

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Reviewed BY / Date:

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118166 - Redstone-PBC

Manager:

Steve Moran

	RFA/COC Number: PEF 062410-5-EMP
Location Code: E183-SPL29	Task: 118166
Sample Number: PEF9029	Collection Date: 6-18-10
Sample Name: E183-SPL29-SO-PEF9029-REG	Collection Time: 0845
Sampling Method: HA	Start Depth: O'bas
Sample Type: SO Sample Purpose: REC	
QC Partners: STAINLES STEEL BOWL - HAND A	
$(TB) \qquad \not V A \qquad (ER) \qquad \not V A \qquad (FB) \qquad \not V A$	Sample Team: OA / VB
Containers Analytical Suite Flt Frtn Qty Size Units Type	ERPIMS Values: Sacode:
TČLP METAL NA 1 4 oz CWMG	Lot Control#:
Comments: 183-A13-TCLP 0-1  Composit of 10 sample pts  Sketch Location:  X = Sample location  A  Orua 13  I  X  4  5  H  4  5  H  4  4  4	× ×

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118166 - Redstone-PBC

Manager:	Steve	Mora
manager.	Siere	WINIA

	RFA/COC Number: PEF D62410-S-EMP
Location Code: E183-SPL30  Sample Number: PEF9030  Sample Name: E183-SPL30-SO-PEF9030-REG  Sampling Method: HA  Sample Type: SO Sample Purpose: REG  Sampling Equip: STAINLESS STEEL BOW & HAW  OC Partners:  (TB) DA (ER) NA (FB) NA  Containers  Analytical Suite Flt Frtn Qty Size Units Type  TCLP METAL N A 1 4 02 CWMG	Task: 118166  Collection Date: 6-18-10  Collection Time: 1150  Start Depth: 0' bg.S  End Depth: 1'  Sample Matrix: SOIL
Comments: 183-A15-TCLP 0-1 Composit of 10 sample pts  Sketch Location:	x=sample location
Over 15 2 x 3 x 2 x x x x x x x x x x x x x x x	3 <sub>×</sub>

Logged BY / Date: 777. July 18 June 10 Reviewed BY / Date:

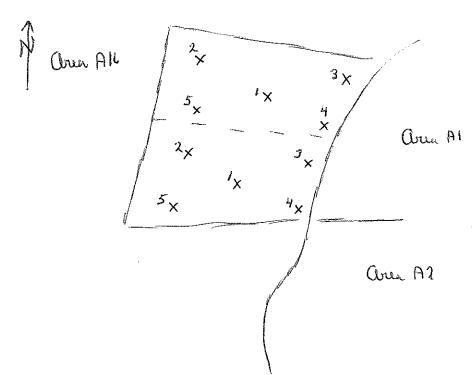


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118166 · Redstone- PBC

Nor.	<b>C</b> 14	B. 6
Manager:	Steve	Morar

Location Code: E183-S. Sample Number: PEF903			Task: 118166	
Sample Number: <b>PEF90</b> 3	ti .		IUSA, ITATOD	
	71		Collection Date: 6-22	1-10
Sample Name: E183-S	PL31-SO-PEF9	0031-REG	Collection Time:	
ampling Method: <b>HA</b>				
Sample Type: SO	Sc	ample Purpose: <b>REG</b>	Start Depth:	<u>, Dgs</u>
Campling Equip: < TAIN		bowl - HANE Auge		
tners:	> 3/62	<u> </u>	Sample Matrix: SOIL	
у́А (Er	) A	(FB) <i>MA</i>	Sample Team: OA/VB	
Analytical Suite Flt Fro	Containers n Qty Size Uni	its Type	ERPIMS Values: Sacode;	
TCLP METAL N A	1 4 02	z CWMG	Lot Control#:	
Comments: 183-A	16-TCLP et of 10	0-1 sample pte		



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Reviewed BY / Date:

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118166 - Redstone-PBC

Manager:

Steve Moran

		R	FA/COC Number: PE	F062410-S-EMP
	Code: <b>E183-SPL32</b>		Task:	118166
•	nber: PEF9032		Collection Date:	6-22-10
-	ame: E183-SPL32-SO-PI	EF9032-REG		1030
Sampling Me			Start Depth:	O' bas
	ype: SO	Sample Purpose: REG	End Depth:	
Sampling Eq QC Partners:	uip: STAINLESS STEEL	Bowl + Auger	Sample Matrix:	SOIL
(TB) <u> </u>	(ER) $\nearrow A$	(FB) /A	Sample Team:	OA/VB
Analytical S	Containers uite Flt Frtn Qty Size		ERPIM	S Values: Sacode:
TCLP METAL	The state of the s	oz CWMG	Loi	Control#:
Sketch Lexesa	1 4	10 sumple pte		
	are Am -	2 3 × 2  3 × 4 ×	X X X X X X X X X X X X X X X X X X X	
	A \$ 2	Ą	18	

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118166 - Redstone-PBC

Manager:

Steve Moran

	RFA / COC Number: PEF	-062410-S-EMA
Location Code: E183-SPL33	Task:	118166
Sample Number: PEF9033	Collection Date:	6-22-10
Sample Name: E183-SPL33-SO-PEF9033-REG	Collection Time:	1315
Sampling Method: HA	Start Depth:	O' bas
Sample Type: SO Sample Purpose	e: <b>REG</b> End Depth:	
Sampling Equip: Wand accept	Sample Matrix:	SOIL
(TB) (ER) (FB)	Sample Team:	OB/VB
Containers Analytical Suite Flt Frtn Qty Size Units Type		S Values: Sacode:
TCLP METAL N A 1 4 oz CWMG	Lot	Control#:
Comments: 183-A18-TCLP 0-1 Composite of 10 sample of Sketch Location:  A1  A2  Sketch Location:  A2  Sketch Location:  A1  A2  A4  AA  AA  AA  AA  AA  AA  AA  AA	X = S	ample location

6-24-10

Logged BY / Date: My Ll 22 June 10 Review

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118166 - Redstone-PBC

18.7f _		
LVI.	nager:	

Steve Moran

Sample Number, Sample Name, Sampling Method Sample Type:	E183-SPL34-SO-Pl HA SO		Collection Date: Collection Time: Start Depth: End Depth:	118166 6-22-16 1505 0' bgs 1'  SOIL
Analytical Suite	Containers Flt Frtn Qty Size N A 1 4			S Values: Sacode: Control#:
Comments: 1		A 17 A 18  A 18  A 18  A 18	H	

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Page 1 of 1

118166 - Redstone-PBC

Manager:

Steve Moran

		1	RFA / COC Number: PE	F062410-5-EMP
Location Code:	E183-SPL35		Task:	118166
Sample Number:	PEF9035		Collection Date:	6-23-10
Sample Name:	E183-SPL35-SO-PEF903	35-REG	Collection Time:	=
Sampling Method:	HA		Start Depth:	O'bgs
Sample Type:	SO Sam	ple Purpose: <b>REG</b>		1,095
Sampling Equip: OC Partners:	STAINLESS STEE	bowl & Auge		
(TB) NA	(ER)	(FB) ~~	Sample Team:	OA/VB
Analytical Suite	Containers Flt Frtn Qty Size Units	Туре	ERPIMS	S Values: Sacode:
TCLP METAL	NAI 4 oz	CWMG	Lot	Control#:
Sketch Location				Asphalt

Logged BY / Date: 77 July 23 June 10

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118166 - Redstone-PBC

Manager:

		I	RFA / COC Number: PE	FN62410-5-EMP
Location Code:	E183-SPL36	1		118166
Sample Number:	PEF9036			6-23-10
Sample Name:	E183-SPL36-SO-PEF9	0036-REG	Collection Date: Collection Time:	
Sampling Method:	HA			
Sample Type:	so Sa	ample Purpose: <b>REG</b>	Fnd Depth:	O'bgs
Sampling Equip: OC Partners:	STAINless STEEL	bowl + Auger	Sample Matrix:	
(TB) <u>~4</u>	(ER) NA	(FB)	Sample Team:	OR/VB
Analytical Suite	Containers Flt Frtn Qty Size Un	its Type		S Values: Sacode:
TCLP METAL		z CWMG		Control#:
Gomments:  Sketch Locat	183-B25-TCLP Composit of 10 rea	mple pts	1	
BIT		3 15 2 Jun 825 2 1	Asphalt	6-24-10
Logged RV	Date: and & 1	220	Reviewed RY / Da	/ \



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118166 - Redstone-PBC

Manager:

Steve Moran

Sampling Method: Sample Type:	E183-SPL37 PEF9037 E183-SPL37-SO-PEF9037-REG HA SO Sample Purpose: REG STAINLESS STEEL bowl + Augen (ER) MA (FB) MA	Task: 118166  Collection Date: 6-23-10  Collection Time: 1610  Start Depth:
Analytical Suite	Containers Flt Frtn Qty Size Units Type	ERPIMS Values:  Sacode:
TCLP METAL	N A 1 4 oz CWMG	Lot Control#:
Comments: Sketch Locati	183-B31-TCLP  Grave! Rea  5 31  Grave! B31  B15	a Casphalt

6-24-10 DOX

Reviewed BY / Date:



Page 1 of 1

118166 - Redstone-PBC

Manager:

Steve Moran

			RFA / CO	OC Number: PEF	D62410-S-EMP
Location Code:				Task:	118166
Sample Number:	PEF9038			Collection Date:	6-23-10
Sample Name:	E183-SPL38-SO-PEF903	88-REG		Collection Time:	1440
Sampling Method:				Start Depth:	O' bas
Sample Type:	· · · · · · · · · · · · · · · · · · ·	ple Purpose:		End Depth:	
Sampling Equip: QC Partners:	STAINLESS STEE	bowl +A	lugen	Sample Matrix:	SOIL
(TB) ~A	(ER) ~4	( <u>FB</u> )	MA	Sample Team:	OA/VB
Analytical Suite TCLP METAL  Comments:  Sketch Locat		CWMG	Wrong		S Values: Sacode: Control#:
1   5	1	Digney	bun 1	<u> </u>	
					/ 54

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### 118166 Redstone-PBC

Manager: Steve Moran

RFA / COC Number: PEF063010-S-EMP

Location Code: E183-SPL39

Task: 118166

Sample Number: PEF9039

Collection Date: 24-JUN-10

Sample Name: E183-SPL39-SO-PEF9039-REG

Collection Time: 11:15

Sampling Method: HA

Start Depth: 0

Sample Type: SO

Sample Purpose: REG

End Depth: 1

Equip: Hand auger

Sample Matrix: SOIL

Sample Team: VB JOA

**Containers** 

**Analytical Suite** 

Fit Frtn Qty Size Units Type

ERPIMS Values: Sacode:

TCLP METAL

NA

oz CWMG

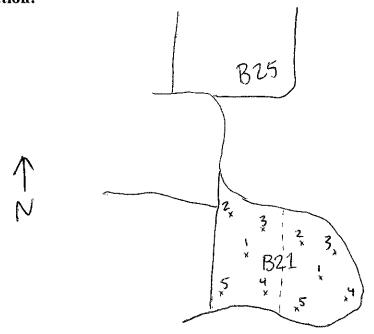
Lot Control#:

#### **Comments:**

### 183-B21-TCLP

pt. composite

### **Sketch Location:**



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### 118166 Redstone-PBC

Manager: Steve Moran

RFA / COC Number: 183-070910-EMP

Location Code: E183-SPL40

Sample Number: PEF9040

Sample Name: E183-SPL40-SO-PEF9040-REG

Sampling Method: **DP** 

Sample Type: SO

Sample Purpose: REG

Task: 118166

Collection Date: 08-JUL-10

Collection Time: 10:30

Start Depth: 0

End Depth: 1

Sample Matrix: SOIL

Sample Team: MG

**Containers** 

**Analytical Suite** Flt Frtn Qty Size Units Type

TCLP METAL N A 1 4 oz CWMG ERPIMS Values:

Sacode:

Lot Control#:

#### **Comments:**

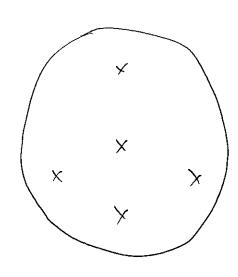
183-E01-TCLP

5 pt. composite

### **Sketch Location:**

X= sample location





AREA EØ1

Logged BY / Date: EMMonorah 7/29/10 Reviewed BY / Date: Emplamen 7/29/10



### 118166 Redstone-PBC

Manager: Steve Moran

RFA / COC Number: 183-070910-EMP

Location Code: E183-SPL41

Sample Number: PEF9041 Collection Date: 08-JUL-10

Sample Name: E183-SPL41-SO-PEF9041-REG

Collection Time: 11:15

Sampling Method: **DP** 

Start Depth: 0

Start Depth: 0

Sample Type: SO

Sample Purpose: REG

End Depth: 1

Sample Matrix: SOIL

Sample Team: MG

**Containers** 

Analytical Suite Flt Frtn Qty Size Units Type

N A 1 4 oz CWMG

ERPIMS Values: Sacode:

Task: 118166

Lot Control#:

#### **Comments:**

TCLP METAL

#### 183-D01-TCLP

5 pt. composite

### **Sketch Location:**

x= sample location

X X

AREA DØ1

Logged BY / Date: P. McDonough 7/29/10

Reviewed BY / Date: Friedon 1/29/10



### 118166 Redstone-PBC

Manager: Steve Moran

RFA / COC Number: 183-070910-EMP

Location Code: E183-SPL42

Task: 118166

Sample Number: PEF9042

Collection Date: 07-JUL-10

Sample Name: E183-SPL42-SO-PEF9042-REG

Collection Time: 13:15

Sampling Method: DP

Start Depth: 0 FTBGS

End Depth: 1

Sample Type: SO

Sample Purpose: REG

Sample Matrix: SOIL

Sample Team: MG

**Analytical Suite** 

**Containers** Flt Frtn Qty Size Units Type

ERPIMS Values:

TCLP METAL

Sacode:

N A 1 4 ΟZ CWMG

Lot Control#:

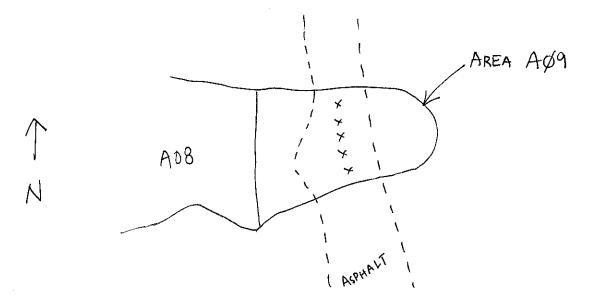
### **Comments:**

### 183-A09-TCLP Under Asphalt

pt composite

### **Sketch Location:**

X=sample location



Logged BY / Date: @McDonough 7/29/10

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### 118166 Redstone-PBC

Manager: Steve Moran

**RFA / COC Number: 183-070910-EMP** 

Location Code: E183-SPL43

Task: 118166

Sample Number: PEF9043

Collection Date: 07-JUL-10

Sample Name: E183-SPL43-SO-PEF9043-REG

Collection Time: 14:30

Sampling Method: **DP** 

Start Depth: 0

Sample Type: SO

End Donth

End Depth: 1

Sample Purpose: REG

Sample Matrix: SOIL

Sample Team: MG

**Containers** 

ERPIMS Values:

Analytical Suite TCLP METAL

Flt Frtn Qty Size U

Units Type
oz CWMG

Sacode:

Lot Control#:

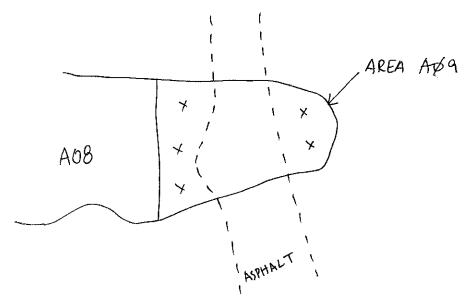
#### **Comments:**

### 183-A09-TCLP Outside Asphalt

5 pt. composite

### **Sketch Location:**

X= Sample location



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### 118166 Redstone-PBC

Manager: Steve Moran

RFA / COC Number: 183-071610-EMP

Location Code: E183-SPL44

Task: 118166

Sample Number: PEF9044

Collection Date: 14-JUL-10

Sample Name: E183-SPL44-SO-PEF9044-REG

Collection Time: 14:45

Sampling Method: HA

Start Depth: 0

Sample Type: SO

Sample Purpose: REG

End Depth: 1

Sample Matrix: SOIL

C ...... 1. T. ..... 3.5C

Sample Team: MG

Containers

**Analytical Suite** 

Flt Frtn Qty Size Units Type

ERPIMS Values:

Sacode:

TCLP METAL

VA 1 4 oz CWMG

Lot Control#:

#### **Comments:**

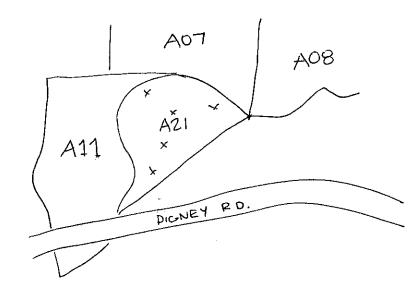
183-A21-TCLP

5 pt. composite

**Sketch Location:** 

X= sample location

17



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Reviewed BY / Date: My James 8/4/10



### 118166 Redstone-PBC

Manager: Steve Moran

**RFA / COC Number: 183-071610-EMP** 

Location Code: E183-SPL45

Task: 118166

Sample Number: PEF9045

Collection Date: 14-JUL-10

Sample Name: E183-SPL45-SO-PEF9045-REG

Collection Time: 13:15

Sampling Method: HA

Start Depth: 0

Sample Type: SO

Sample Purpose: REG

End Depth: 1

Sample Matrix: SOIL

Sample Team: MG

**Containers** 

Flt Frtn Oty Size

Units Type

ERPIMS Values:

Sacode:

**Analytical Suite** TCLP METAL

oz CWMG

Lot Control#:

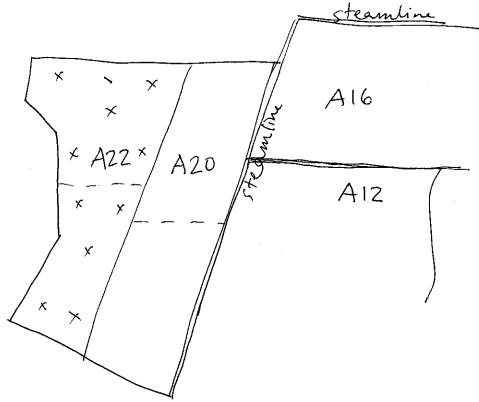
### **Comments:**

183-A22-TCLP

10 pt composite

**Sketch Location:** 

X= sample location



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### 118166 Redstone-PBC

Manager: Steve Moran

RFA / COC Number: 183-071610-EMP

Location Code: E183-SPL46

Task: 118166

Sample Number: PEF9046

Collection Date: 14-JUL-10

Sample Name: E183-SPL46-SO-PEF9046-REG

Collection Time: 11:45

Sampling Method: HA

Start Depth: 0

Sample Type: SO

Sample Purpose: REG

End Depth: 1

Sample Matrix: SOIL

Sample Team: MG

**Containers** 

**Analytical Suite** TCLP METAL

Flt Frtn Qty Size Units Type

oz CWMG

ERPIMS Values;

Sacode:

Lot Control#:

#### **Comments:**

183-A20-TCLP

10 pt. composite

**Sketch Location:** 

X= sample locations

A16 A22 A12 χ

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Reviewed BY / Date: The Comuse



### 118166 Redstone-PBC

Manager: Steve Moran

RFA / COC Number: 183-071610-EMP

Location Code: E183-SPL47

Task: 118166

Sample Number: PEF9047

Collection Date: 15-JUL-10

Sample Name: E183-SPL47-SO-PEF9047-REG

Collection Time: 12:00

Sampling Method: HA

Start Depth: 0

Sample Type: SO

Sample Purpose: REG

End Depth: 1

Sample Matrix: SOIL

Sample Team: MG

**Containers** 

Analytical Suite TCLP METAL

Flt Frtn Qty Size Units Type

N A

4 oz CWMG

ERPIMS Values:

Sacode:

Lot Control#:

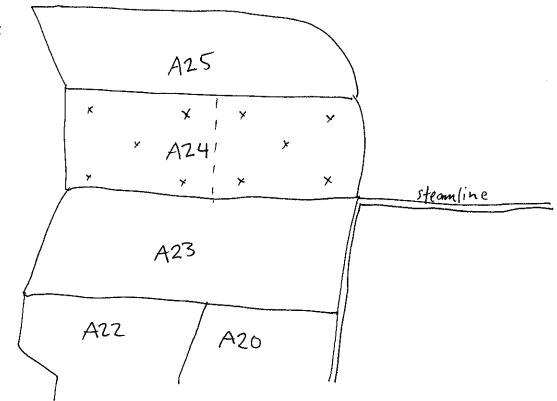
#### **Comments:**

183-A24-TCLP

10 pt. composite

#### **Sketch Location:**

X = sample locations



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Emplowen 14/10



### 118166 Redstone-PBC

Manager: Steve Moran

**RFA / COC Number: 183-071610-EMP** 

Location Code: E183-SPL48

Task: 118166

Sample Number: **PEF9048** 

Collection Date: 15-JUL-10

Sample Name: E183-SPL48-SO-PEF9048-REG

Collection Time: 15:40

Sampling Method: HA

Start Depth: 0

Sample Type: SO

Sample Purpose: **REG** 

End Depth: 1

Sample Matrix: SOIL

Sample Team:

Containers

**Analytical Suite** 

Flt Frtn Qty Size Units Type

ERPIMS Values:

Sacoae:

TCLP METAL

N A 1 4

oz CWMG

Lot Control#:

#### **Comments:**

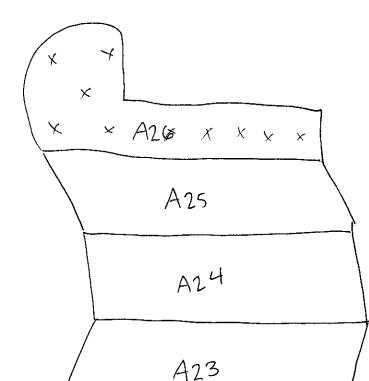
183-A26-TCLP

10 pt. composite

### **Sketch Location:**

X= sample locations

N



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steamline



### 118166 Redstone-PBC

Manager: Steve Moran

RFA / COC Number: 183-071610-EMP

Location Code: E183-SPL49

Sample Number: PEF9049

Sample Name: E183-SPL49-SO-PEF9049-REG

Sampling Method: HA

Sample Type: SO

Sample Purpose: REG

CWMG

Task: 118166

Collection Date: 15-JUL-10

Collection Time: 14:20

Start Depth: 0

End Depth: 1

Sample Matrix: SOIL

Sample Team: MG

Containers

Analytical Suite Flt Frtn Qt

Flt Frtn Qty Size Units Type

TCLP METAL

N A 1

4 = ⊒ oz

ERPIMS Values:

Sacode;

Lot Control#:

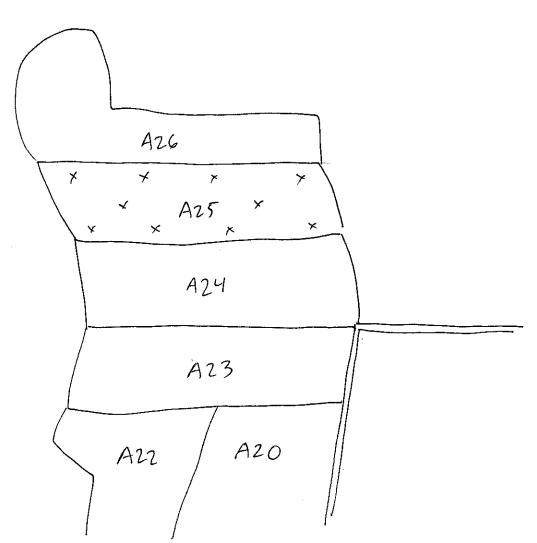
### **Comments:**

183-A25-TCLP

10 pt. composite

**Sketch Location:** 

x=sample locations



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### 118166 Redstone-PBC

Manager: Steve Moran

RFA / COC Number: 183-071610-EMP

Location Code: E183-SPL50

Task: 118166

Sample Number: PEF9050

Collection Date: 15-JUL-10

Sample Name: E183-SPL50-SO-PEF9050-REG

Collection Time: 10:30

Sampling Method: HA

Sample Type: SO

Sample Purpose: REG

Start Depth: 0

End Depth: 1

Sample Matrix: SOIL

Sample Team: MG

**Containers** 

Flt Frtn Qty Size Units Type

ERPIMS Values:

Sacode:

**Analytical Suite** TCLP METAL

 $\mathbf{N} \cdot \mathbf{A}$ 

oz CWMG

Lot Control#:

#### **Comments:**

183-A23-TCLP

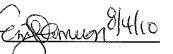
10 pt. composite

X= sample Incations

Sketch Location: A25 A24 steamline Х A22

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Reviewed BY / Date:





### 118166 Redstone-PBC

Manager: Steve Moran

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B12

B13

**RFA / COC Number: 183-071610-EMP** 

Location Code: E183-SPL51

Task: 118166

Sample Number: **PEF9051** 

Collection Date: 16-JUL-10

Sample Name: E183-SPL51-SO-PEF9051-REG

Collection Time: 08:05

Sampling Method: HA

Start Depth: 0

Sample Type: SO

Sample Purpose: REG

End Depth: 1

Sample Matrix: SOIL

Sample Team: MG

**Containers** 

**Analytical Suite** 

Flt Frtn Qty Size Units Type

TCLP METAL

N A 1 4 oz CWMG

ERPIMS Values:

Sacode:

fence

Lot Control#:

### **Comments:**

183-B12-TCLP

5 pt. composite →small area

Sketch Location:

X = sample locations

Logged BY / Date: [Mn] onough 7/26/10

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Jameson 8/4/10

**RESPONSES TO COMMENTS** 

Responses to Alabama Department of Environmental Management (ADEM)
Review Comments on the Revision 0 Corrective Measures Implementation Work Plan
For RSA-122, Dismantled Lewisite Manufacturing Plant Sites, Operable Unit 6 and
RSA-183, Former Lewisite Manufacturing Plant 1 and 2 Sites, Operable Unit 5
Redstone Arsenal, Madison County, Alabama
Dated May 2022

Comments from ADEM dated September 21, 2022 (received via email).

### **Specific Comments**

### **Comment 1:**

Page 2-15, Section 2.5.3, Screening-Level Ecological Assessment: Chapter 2 provides details on the current site risk summary for RSA-122 following the soil cleanup in 2010. In the ecological assessment for the site it is stated that polynuclear aromatic hydrocarbons (PAHs) may pose unacceptable risks to a small number of individual receptors in the Northwest Area of the site. However, there is no mention in the corrective measures decision summary of PAHs being a potential risk. Please address.

### **Response 1:**

Section 2.5.3 goes on to state that there are no expected impacts to populations of ecological receptors and that limited habitat in this highly industrialized area already limits potential ecological impacts. However, to clarify the point that no action for ecological receptors is warranted for PAHs in soil based on this weight of evidence evaluation, the following text was inserted into the decision summary discussion for RSA-122.

"Although the screening level SLERA identified a potential for PAHs to pose threats to a small number of individual ecological receptors in RSA-122NW, there are no expected impacts to populations of ecological receptors and limited habitat in this highly industrialized area of the site already limits potential additional ecological impacts. Based on these lines of evidence, no action for ecological receptors is warranted for PAHs in soil."

#### **Comment 2:**

Page 4-3, Chapter 4, Decision Summary, Section 4.2.1, Cleanup Goals for the Corrective Measures: Benzo(a)pyrene is not included in this section although it has been identified throughout the document as a COC. Please revise the document to include benzo(a)pyrene in this section.

### **Response 2:**

The following bullet was added to Section 4.1, RSA-122: "Exposure to benzo(a)pyrene in soils within RSA-122NW alone pose an unacceptable risk to only the future hypothetical residential receptor and not to either industrial receptor." Also, the first sentence following bullets in Section 4.1, page 4-2 was revised as follows: "Corrective measures are needed to address the arsenic-contaminated surface and subsurface soil at RSA-122, and benzo(a)pyrene-contaminated subsurface soil within RSA-122NW only."

The following text was added following the 2<sup>nd</sup> paragraph of Section 4.2.1: "Benzo(a)pyrene in soils within RSA-122NW alone pose an unacceptable risk to only the future hypothetical residential receptor and not to either industrial receptor. A soil CG of 5.1 mg/kg for benzo(a)pyrene would be needed if RSA-122 soils were being cleaned up to unrestricted use (Appendix J, Table J-26). No cleanup for benzo(a)pyrene in soil is required to be protective of current or future industrial workers. The Army intends to implement LUCs preventing residential site use throughout these sites including RSA-122NW. This action will ensure that risks to residential receptors from soil contaminants including benzo(a)pyrene will be fully addressed."

The following sentence was added to Section 4.2.2: "Benzo(a)pyrene in soils within RSA-122NW alone pose an unacceptable risk to only the future hypothetical residential receptor and not to either industrial receptor."

The following sentence was added to Section 4.2.4: "The Army intends to implement LUCs preventing residential site use throughout these sites including RSA-122NW. This action will ensure that risks to residential receptors from soil contaminants including benzo(a)pyrene will be fully addressed."

Bullet added to Section 4.3.2: "Implementation of LUCs preventing residential site use throughout these sites including RSA-122NW. This action will ensure that risks to residential receptors from soil contaminants including benzo(a)pyrene will be fully addressed. LUCs will also be used to provide protection to the groundskeeper and construction worker receptors as discussed in the previous sections."

- **Comment 3:**
- Appendix I, Land-Use Controls: The proposed corrective action does not return the site to unrestricted reuse. Therefore, in accordance with ADEM Admin Code (AAC) 335-5 a Notice of Environmental Use Restriction should be included as part of the corrective measures. Please revise the CMIP to state that a filed NEUR will be included as part of the Corrective Measures Implementation Report.
- **Response 3:**

The 3<sup>rd</sup> paragraph of Section 5.15 states that "Draft LUCs will be provided in the CMI report for this site for ADEM review and approval." To avoid confusion the sentence was revised to the following: "In accordance with ADEM AAC r. 335-5-1-.02(3)(a) a draft Notice of Environmental Use Restriction (NEUR) detailing the site LUCs will be submitted with the CMI report for this site for ADEM review and approval."

In addition, the following sentence was added to Section 5.16.2 Reporting: "A CMI report will be prepared following implementation of the corrective measures. The CMI report will include a draft NEUR and the required legal description of the property."