

APPENDIX F
SEDIMENT, SURFACE WATER, AND TEST PIT SAMPLING LOGS

THIS PAGE INTENTIONALLY LEFT BLANK

**APPENDIX F SEDIMENT, SURFACE WATER, AND TEST PIT SAMPLING
LOG LOCATOR SHEET**

Page Number	Site Number
5	FBQ-145
8	FBQ-147
10	FBQ-144
13	FBQ-145
14	FBQ-148
17	FBQ-147
20	FBQ-149
21	FBQ-150
26	FBQ-151
29	FBQ-152
32	FBQ-153
36	FBQ-154
40	FBQ-155
43	FBQ-156
45	FBQ-157
49	FBQ-158
52	FBQ-126
55	FBQ-127
58	FBQ-128
61	FBQ-146
64	FBQ-130
67	FBQ-131
70	FBQ-132
74	FBQ-141
78	FBQ-133
82	FBQ-134
86	FBQ-135
90	FBQ-136
94	FBQ-137

Page Number	Site Number
98	FBQ-138
102	FBQ-139
106	FBQ-129
109	FBQ-147
112	FBQ-143
115	FBQ-159
118	FBQ-160
121	FBQ-165
124	FBQ-164
127	FBQ-142
130	FBQ-162
133	FBQ-163
135	FBQ-161
137	FBQ-184
139	FBQ-185
140	FBQ-186
143	FBQ-187
145	FBQ-188
147	FBQ-187
149	FBQ-190
151	FBQ-191
153	FBQ-192
155	FBQ-178
158	FBQ-179
162	FBQ-180
165	FBQ-181
168	FBQ-182
171	FBQ-183

THIS PAGE INTENTIONALLY LEFT BLANK

TASK TEAM ACTIVITY LOG SHEET

1

PROJECT NAME: Phase I/II Fuze & Booster Quarry Landfill/Pond

DELIVERY ORDER: 0012

Date (mm/dd/yy): 10-21-03 Su M **(Tu)** W Th F Sa

PAGE 1 OF 1

Task Team Members:

Jiggs Emis
Ronda Bailey
Chawelle Carnell

~~Jiggs Emis~~
12/5/05

Narrative (include time and location):

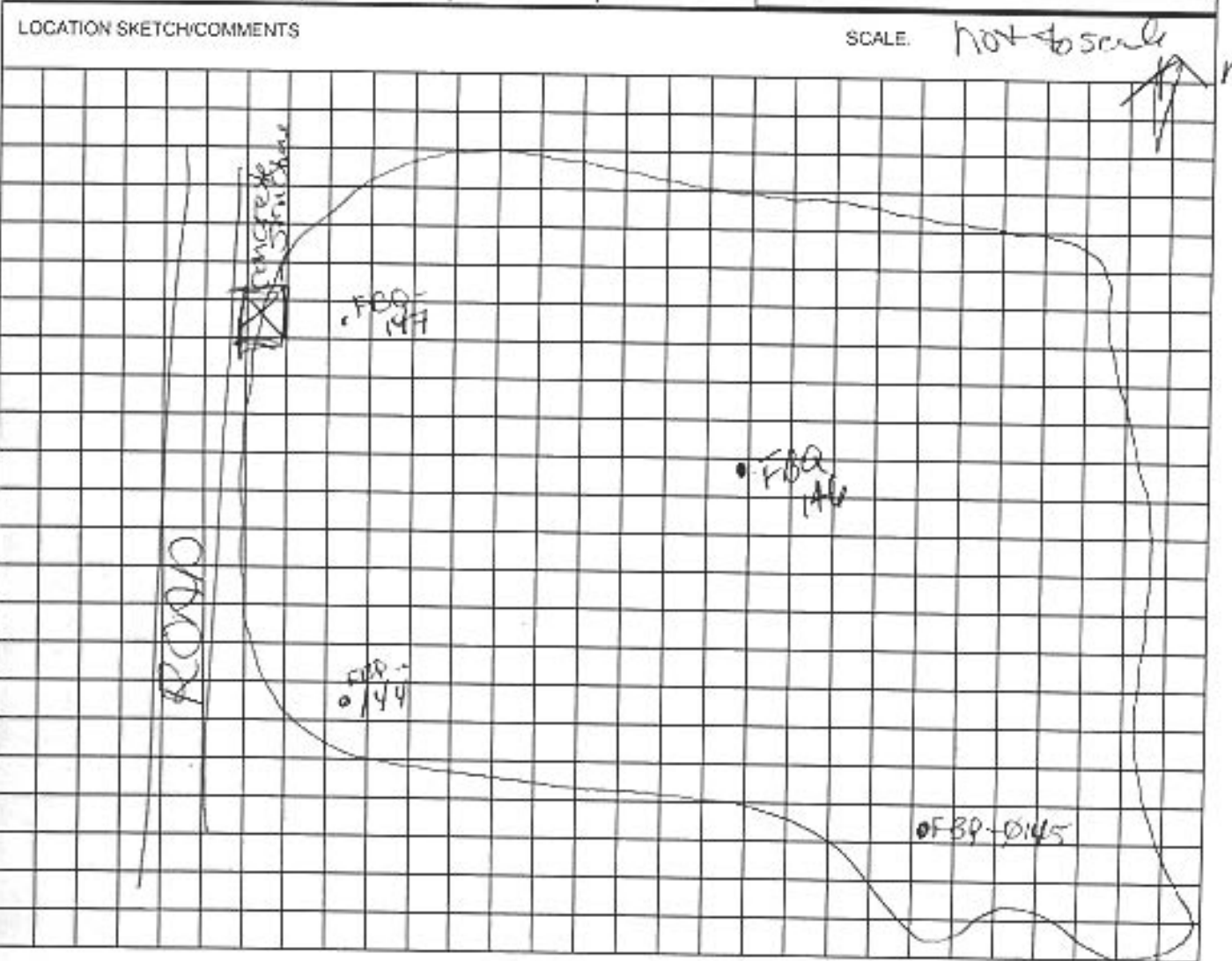
~~09:00~~ Arrive on Fuze/Booster Pond area and get all equipment into boat FBQsw-~~145~~⁰¹⁴⁵-0291-SW
 0950 Start taking ^{water} sample at the inflow area of the southernmost pond, approx 10ft from shore, depth = 3ft
 DO: 9.4, Temp 14°C, conductiv , pH
^{water} Sample taken for explosives, TAC metals, PCB, Pesticides, Propellants, Cr⁶⁺, Perchlorate, SVOC, & VOC's
 1000 Stop water sample - go to next water location (Jiggs cleared w/under water schanz first)
 11:33 after returning to location to sample FBQ^{sub}-145-
 1136 Starting sampling FBQ^{sub}-145-0291-SW for explosives, TAC metals, PCB/Pesticides, SVOC/Propellants, Cr⁶⁺, and VOC's
 1140 - Eckman dredge* failed. Leave site
 *See pg 13

~~Jiggs Emis~~
12/5/05

Daily Weather Conditions: A.M. Sunny, P clouds, light breeze, high 50's
 P.M.

Recorded By Chawelle Carnell QA Checked By Jiggs Emis

HTRW DRILLING LOG		DISTRICT: Louisville		HOLE NUMBER FBQ-0145	
1. COMPANY NAME: SpecPro, Inc.		2. DRILL SUBCONTRACTOR n/a		SHEET 1 of 1	
3. PROJECT: Fuze & Booster/RVAAP			4. LOCATION: Fuze & Booster Quarry Landfill/Pond		
5. NAME OF DRILLER n/a		6. MANUFACTURERS DESIGNATION OF DRILL n/a			
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT Eckman dredge 33 bowl / 3 arm		8. HOLE LOCATION: FBQ Pnd			
		9. SURFACE ELEVATION: n/a			
		10. DATE STARTED: 10/21/03		11. DATE COMPLETED: 10/21/03	
12. OVERBURDEN THICKNESS n/a		15. DEPTH GROUNDWATER ENCOUNTERED n/a			
13. DEPTH DRILLED INTO ROCK n/a		16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: n/a			
14. TOTAL DEPTH OF HOLE ~ 6"		17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): 23ft to bottom			
18. GEOTECHNICAL SAMPLES		DISTURBED		UNDISTURBED	
20. SAMPLES FOR CHEMICAL ANALYSIS geotech. log		VOC		OTHER (SPECIFY)	
22. DISPOSITION OF HOLE		BACKFILLED		MONITORING WELL	
				23. SIGNATURE OF INSPECTOR: C. Canall	



HTRW DRILLING LOG

HOLE NUMBER: **FBP-145**

PROJECT: **Fuze & Booster/RVAAP**

INSPECTOR: **C. Carru**

SHEET **1** OF **1**

BLIV (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO (F)	REMARKS (G)
	6"	dk olive brown sandy silt trace clay fine to coarse grain sand, gravel	0.0 ppm	n/a	FBP-145 0270-01 collected w/water sample	3 scoops w/Dredge
	10	<p>10-21-03 ce</p>				

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Phase I/II Fuze & Booster Quarry Landfill/Pond

DELIVERY ORDER: 0012

Date (mm/dd/yy): 10-21-03 Su M (Tu) W Th F Sa

PAGE 1 OF 1

Task Team Members:

Tizzo Ennis
Chantelle Carroll
Ronda Bailey

~~[Signature]
12/5/03~~

Narrative (include time and location):

10:04 Arrive at location ^{by boat} near concrete structure
 ≈ 10 ft east of structure for
 sample FBPOW-0147-0092-50 for explosives,
 TAl metals, PCB, Pesticides, Propellants,
 Cr+6, Perchlorate, SVOCs, : VOCs.
 DO. 9.7, temp 14°C, conduct , pH
 ≈ 4 ft to bottom
 10:08 Take water sample
 10:20 Finish sample - go back to there to get
 jars for sediment sample

* See pg 21

~~[Signature]
12/5/03~~

Daily Weather Conditions: A.M. Sunny, P. Clouds, mod to brisk breeze, high 50's

Recorded By Chantelle Carroll P.M. QA Checked By [Signature]

HTRW DRILLING LOG		DISTRICT: Louisville			HOLE NUMBER FBQ-147		
1. COMPANY NAME: SpecPro, Inc.		2. DRILL SUBCONTRACTOR: n/A			SHEET 1 of 1		
3. PROJECT: Fuze & Booster/RVAAP			4. LOCATION: Fuze & Booster Quarry Landfill/Pond				
5. NAME OF DRILLER: n/A			6. MANUFACTURERS DESIGNATION OF DRILL: n/A				
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: Eckman Dredge SS bowl / 3/8" spm		8. HOLE LOCATION: FBQ Pond					
			9. SURFACE ELEVATION: n/A				
			10. DATE STARTED: 10/21/03		11. DATE COMPLETED: 10/21/03		
12. OVERBURDEN THICKNESS: n/A			15. DEPTH GROUNDWATER ENCOUNTERED: n/A				
13. DEPTH DRILLED INTO ROCK: n/A			16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING: COMPLETED: n/A				
14. TOTAL DEPTH OF HOLE: 26"			17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): ~4 ft to bottom				
18. GEOTECHNICAL SAMPLES		DISTURBED		UNDISTURBED		19. TOTAL NUMBER OF CORE BOXES	
20. SAMPLES FOR CHEMICAL ANALYSIS: See Act. log		VOC		METALS		OTHER (SPECIFY)	
						21. TOTAL CORE RECOVERY: %	
22. DISPOSITION OF HOLE		BACKFILLED		MONITORING WELL		OTHER (SPECIFY)	
						23. SIGNATURE OF INSPECTOR: C. Caron	

LOCATION SKETCH/COMMENTS

SCALE:

<p>Go to page 3 in the Sediment/Water Logbook</p>																			
---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Phase I/II Fuze & Booster Quarry Landfill/Pond

DELIVERY ORDER: 0012

Date (mm/dd/yy): 10/21/03 Su M (Tu) W Th F Sa
Task Team Members:

PAGE 1 OF 1

Ronda Bailey
Terry Ennis
Charlton Camell

~~RA/B
10/21/03~~

Narrative (include time and location):

1058 Arrive at sediment sample FBP-144
1101 Start sediment sample after Terry clears
with the underwater Schonstedt, water depth
≈ 3 ft., for ¹⁴⁴FBP_{sed}-044-0269-SD
for explosives, ^{the}metals, PCB/Pesticides, Propellants/PBB
SVOC, and VOC's
11:30 Finish sample ^(sample) go to next sediment location

~~RA/B
10/21/03~~

Daily Weather Conditions: A.M. Sunny, P. Clouds, breezy with intermittent light to brisk, high 50's

Recorded By ^{P.M.} Charlton Camell QA Checked By RA/B

HTRW DRILLING LOG		DISTRICT: Louisville			HOLE NUMBER FBQ-144		
1. COMPANY NAME: SpecPro, Inc.		2. DRILL SUBCONTRACTOR: n/A			SHEET 1 of 1		
3. PROJECT: Fuze & Booster/RVAAP			4. LOCATION: Fuze & Booster Quarry Landfill/Pond				
5. NAME OF DRILLER: n/A			6. MANUFACTURERS DESIGNATION OF DRILL: n/A				
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: Eckman Dredge SS Sawt/SPDM		8. HOLE LOCATION: FBQ Ponds					
			9. SURFACE ELEVATION: n/A				
			10. DATE STARTED: 10/21/03		11. DATE COMPLETED: 10/21/03		
12. OVERBURDEN THICKNESS: n/A			15. DEPTH GROUNDWATER ENCOUNTERED: n/A				
13. DEPTH DRILLED INTO ROCK: n/A			16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: n/A				
14. TOTAL DEPTH OF HOLE: 2' 0"			17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): ~3 ft to bottom				
18. GEOTECHNICAL SAMPLES		DISTURBED		UNDISTURBED		19. TOTAL NUMBER OF CORE BOXES	
20. SAMPLES FOR CHEMICAL ANALYSIS: see Activ. log		VOC		METALS		OTHER (SPECIFY)	
22. DISPOSITION OF HOLE		BACKFILLED		MONITORING WELL		OTHER (SPECIFY)	
						21. TOTAL CORE RECOVERY %	
						23. SIGNATURE OF INSPECTOR: C. Conrad	

LOCATION SKETCH/COMMENTS

SCALE:

Go to page 3
 in the Sediment
 and water logbook

HTRW DRILLING LOG

HOLE NUMBER: FBQ-144

PROJECT: Fuze & Booster/RVAAP

INSPECTOR: C. Canale

SHEET 1 OF 1

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	0	dk olive brown, lots of organic fine to med grain sand, silty sand, (took approx 2 scoops w/ dredge)	φ. φppm	n/A	FBQsd- 144 ¹⁴⁴ φ209-SD	lots of organic veg (boilers)
	1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					

Handwritten signature and date:
C. Canale
12/05/03

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Phase I/II Fuze & Booster Quarry Landfill/Pond

DELIVERY ORDER: 0012

13

Date (mm/dd/yy): 12/10/13 Su M Tu W Th F Sa

PAGE 1 OF 1

Task Team Members:

Ronda Bailey
Jiggs Ennis

~~[Signature]
[Signature]
12/5/13~~

Narrative (include time and location):

1332 - Arrive @ FBQ 145. Begin sampling
* Site cleared by Jiggs Ennis

~~[Signature]
[Signature]~~

~~1333 - Begin Sample FBQ sd 145 @ 270 SD~~

1340 Leave Site

~~[Signature]
[Signature]
12/5/13~~

* See Pg 1

Daily Weather Conditions: A.M. _____

P.M. Overcast, mid 50's F

Recorded By [Signature]

QA Checked By Amy [Signature]

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Phase III Fuze & Booster Quarry Landfill/Pond

DELIVERY ORDER: 0012

Date (mm/dd/yy): 11/21/03 Su M Tu W Th F Sa

PAGE 1 OF 1

Task Team Members:

Ronda Bailey
Tiggs Emis

Narrative (include time and location):

1345 - Arrive @ FBQ 148. Site Cleared by Tiggs.
13:46 - Begin Sample FBQ sd 148 Ø 273.

1358 - Leave site

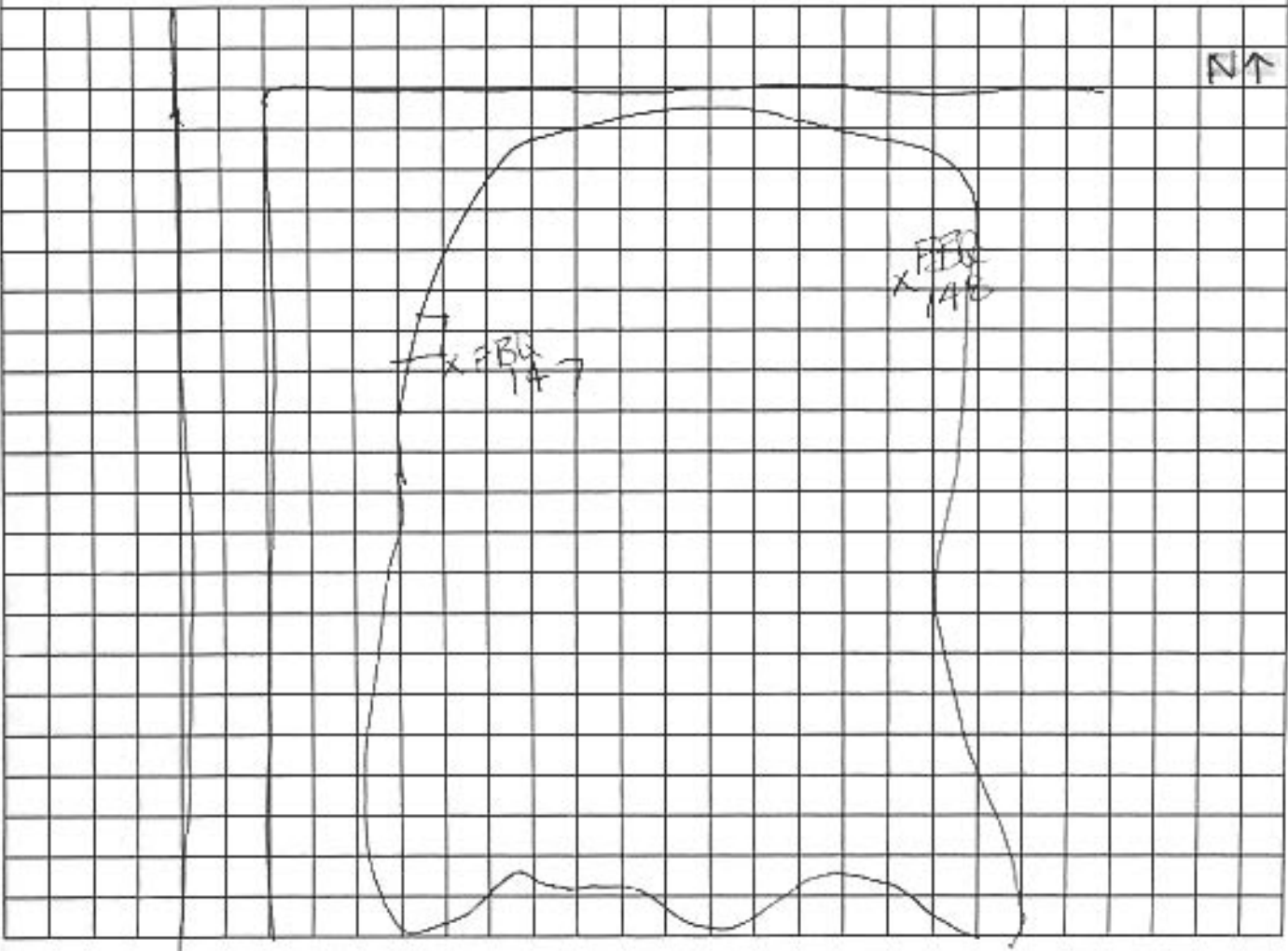
AG
12-18-03

Daily Weather Conditions: A.M. _____

P.M. Overcast, mid 50s F
Recorded By [Signature] QA Checked By Amy Alenswald

HTRW DRILLING LOG		DISTRICT: Louisville		HOLE NUMBER FBQ 148	
1. COMPANY NAME: SpecPro, Inc.		2. DRILL SUBCONTRACTOR		SHEET 1 OF 1	
3. PROJECT: Fuze & Booster/RVAAP			4. LOCATION: Fuze & Booster Quarry Landfill/Pond		
5. NAME OF DRILLER: Jiggs Eganis			6. MANUFACTURERS DESIGNATION OF DRILL:		
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT		8. HOLE LOCATION: FBQ 148		9. SURFACE ELEVATION:	
SS spoon SS hand SS Auger		10. DATE STARTED: 10/21/03		11. DATE COMPLETED: 10/21/03	
12. OVERBURDEN THICKNESS: n/a		15. DEPTH GROUNDWATER ENCOUNTERED:			
13. DEPTH DRILLED INTO ROCK: n/a		16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED:			
14. TOTAL DEPTH OF HOLE: 6'		17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): 4'			
18. GEOTECHNICAL SAMPLES		DISTURBED		UNDISTURBED	
19. TOTAL NUMBER OF CORE BOXES		20. SAMPLES FOR CHEMICAL ANALYSIS		21. TOTAL CORE RECOVERY %	
VOC		METALS		OTHER (SPECIFY)	
OTHER (SPECIFY)		OTHER (SPECIFY)		OTHER (SPECIFY)	
22. DISPOSITION OF HOLE: BACKFILLED		MONITORING WELL		OTHER (SPECIFY)	
23. SIGNATURE OF INSPECTOR:					

LOCATION SKETCH/COMMENTS SCALE: n/a



HTRW DRILLING LOG

HOLE NUMBER: **FBQ 148**

PROJECT: **Fuze & Booster/RVAAP**

INSPECTOR: **CP/B**

SHEET **1** OF **1**

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	0					
	1	DK Olive brown silty sand, free clay, some gravel, fine to coarse sand fine to med grain.				Organic material roots, stems, grass leaves
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					

**BG
12/8/03**

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Phase I/II Fuze & Booster Quarry Landfill/Pond

DELIVERY ORDER: 0012

Date (mm/dd/yy): 12/18/03 Su M Tu W Th F Sa

PAGE 1 OF 1

Task Team Members:

Randa Bailey

Jiggs Ennis

Narrative (include time and location):

~~1403~~

1403 - Arrive @ FBQ 141 - Begin Cleared ^{AG}
sample by Jiggs.

1405 - Retrieve sample FBQ 147 0272 SD.

1426 - Leave site

~~AG
12/18/03~~

Daily Weather Conditions: A.M. _____

P.M. Overcast, mid 50's °F

Recorded By

Randa Bailey

QA Checked By

Amy Greenwood

HTRW DRILLING LOG		DISTRICT: Louisville			HOLE NUMBER FBQ 147										
1. COMPANY NAME: SpecPro, Inc.		2. DRILL SUBCONTRACTOR			SHEET 1 OF 1										
3. PROJECT: Fuze & Booster/RVAAP			4. LOCATION: Fuze & Booster Quarry Landfill/Pond												
5. NAME OF DRILLER: JPS Ennis			6. MANUFACTURERS DESIGNATION OF DRILL												
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT SS spinner SS bowl SS Auger			8. HOLE LOCATION: FBQ 147												
			9. SURFACE ELEVATION												
			10. DATE STARTED: 10/21/03		11. DATE COMPLETED: 10/21/03										
12. OVERBURDEN THICKNESS: n/a			15. DEPTH GROUNDWATER ENCOUNTERED												
13. DEPTH DRILLED INTO ROCK: n/a			16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED												
14. TOTAL DEPTH OF HOLE: 6'			17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): 5'												
18. GEOTECHNICAL SAMPLES		DISTURBED		UNDISTURBED		19. TOTAL NUMBER OF CORE BOXES									
20. SAMPLES FOR CHEMICAL ANALYSIS		VOC		METALS		OTHER (SPECIFY)									
See act. log						OTHER (SPECIFY)									
22. DISPOSITION OF HOLE		BACKFILLED		MONITORING WELL		OTHER (SPECIFY)									
						23. SIGNATURE OF INSPECTOR: <i>[Signature]</i>									
LOCATION SKETCH/COMMENTS		See pg 19				SCALE:									
<table border="1" style="width:100%; height:400px; border-collapse: collapse;"> <tr><td style="width:25px; height:25px;"></td><td style="width:25px; height:25px;"></td><td style="width:25px; height:25px;"></td><td style="width:25px; height:25px;"></td><td style="width:25px; height:25px;"></td><td style="width:25px; height:25px;"></td><td style="width:25px; height:25px;"></td><td style="width:25px; height:25px;"></td></tr> <!-- Additional rows would follow here to represent the grid --> </table>															

HTRW DRILLING LOG

HOLE NUMBER: **FBQ147**

PROJECT: **Fuze & Booster/RVAAP**

INSPECTOR: *Reddy*

SHEET **1** OF **1**

24

ELEV (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEO TECH SAMPLE OR LAB. BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	6"	DK olive brn silty clay / Some sand, some gravel sand fine to med. Gravel fine to coarse. Grey mottling			FBQsd14772	250 Organic material (Leaves stems etc)
	1'					
	2'					
	3'					
	4'					
	5'					
	6'			AG 12/8/93		
	7'					
	8'					
	9'					
	10'					

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Phase III Fuze & Booster Quarry Landfill/Pond

DELIVERY ORDER: 0012

Date (mm/dd/yy): 12/8/03 Su M Tu W Th F Sa PAGE 1 OF 1

Task Team Members:

Ronda Bailey
Jiggs Ennis

Narrative (include time and location):

1500 Arrive @ FBQ 149. Cleared by
1' Jiggs. Begin sample
1501 Begin sample FBQsd 149 0274SD
1510 Finish Sample. Leave site

H_2O Temp = $14^{\circ}C$

~~176~~
12-8-03

Daily Weather Conditions: A.M. _____

P.M. Rain, Low SDs

Recorded By RJS

QA Checked By Amy Brownwald

HTRW DRILLING LOG		DISTRICT: Louisville			HOLE NUMBER FBO 149								
1 COMPANY NAME: SpecPro, Inc.		2 DRILL SUBCONTRACTOR:			SHEET 1 of 1								
3 PROJECT: Fuze & Booster/RVAAP			4 LOCATION: Fuze & Booster Quarry Landfill/Pond										
5 NAME OF DRILLER: Jiggs Ennis			6 MANUFACTURERS DESIGNATION OF DRILL:										
7 SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT:		8 HOLE LOCATION: FBO 149											
		9 SURFACE ELEVATION:											
		10 DATE STARTED: 10/21/03		11 DATE COMPLETED: 10/21/03									
12 OVERBURDEN THICKNESS: n/a		15. DEPTH GROUNDWATER ENCOUNTERED:											
13 DEPTH DRILLED INTO ROCK: n/a		16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED:											
14 TOTAL DEPTH OF HOLE:		17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): 2'											
18 GEOTECHNICAL SAMPLES		DISTURBED		UNDISTURBED		19. TOTAL NUMBER OF CORE BOXES							
20 SAMPLES FOR CHEMICAL ANALYSIS		VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)							
See att. Log						21 TOTAL CORE RECOVERY %							
22 DISPOSITION OF HOLE		BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23 SIGNATURE OF INSPECTOR: <i>[Signature]</i>								
LOCATION SKETCH/COMMENTS: See pg 31		SCALE:											
<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr> <!-- Additional rows would follow the same pattern --> </table>													

HTRW DRILLING LOG

PROJECT: Fuze & Booster/RVAAP INSPECTOR: *Glass* HOLE NUMBER: *FB0149* SHEET *1* OF *1*

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO (D)	REMARKS (E)
	6"	Olive brn clay, some silt, trace sand, firm, plastic, trace gravel, fine to coarse.			<i>FB0149/2/100</i>	<i>Organic Material roots stems leaves grass</i>
	1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					

*AG
12-98-03*

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Phase I/II Fuze & Booster Quarry Landfill/Pond

DELIVERY ORDER: 0012

Date (mm/dd/yy): 10/21/03 Su M Tu W Th F Sa

PAGE 1 OF 1

Task Team Members:

Jiggs Eppis
Ronde B. [unclear]

Narrative (include time and location):

1515 Arrive @ FBO 150'. Cleared by
Jiggs. Begin sample FBRSD 150' #2755D
1523 Retrieve Sample
1525 Leave Site

AG
12-08-03

Daily Weather Conditions: A.M. _____

P.M. _____

Rain, Low 50's

Recorded By _____

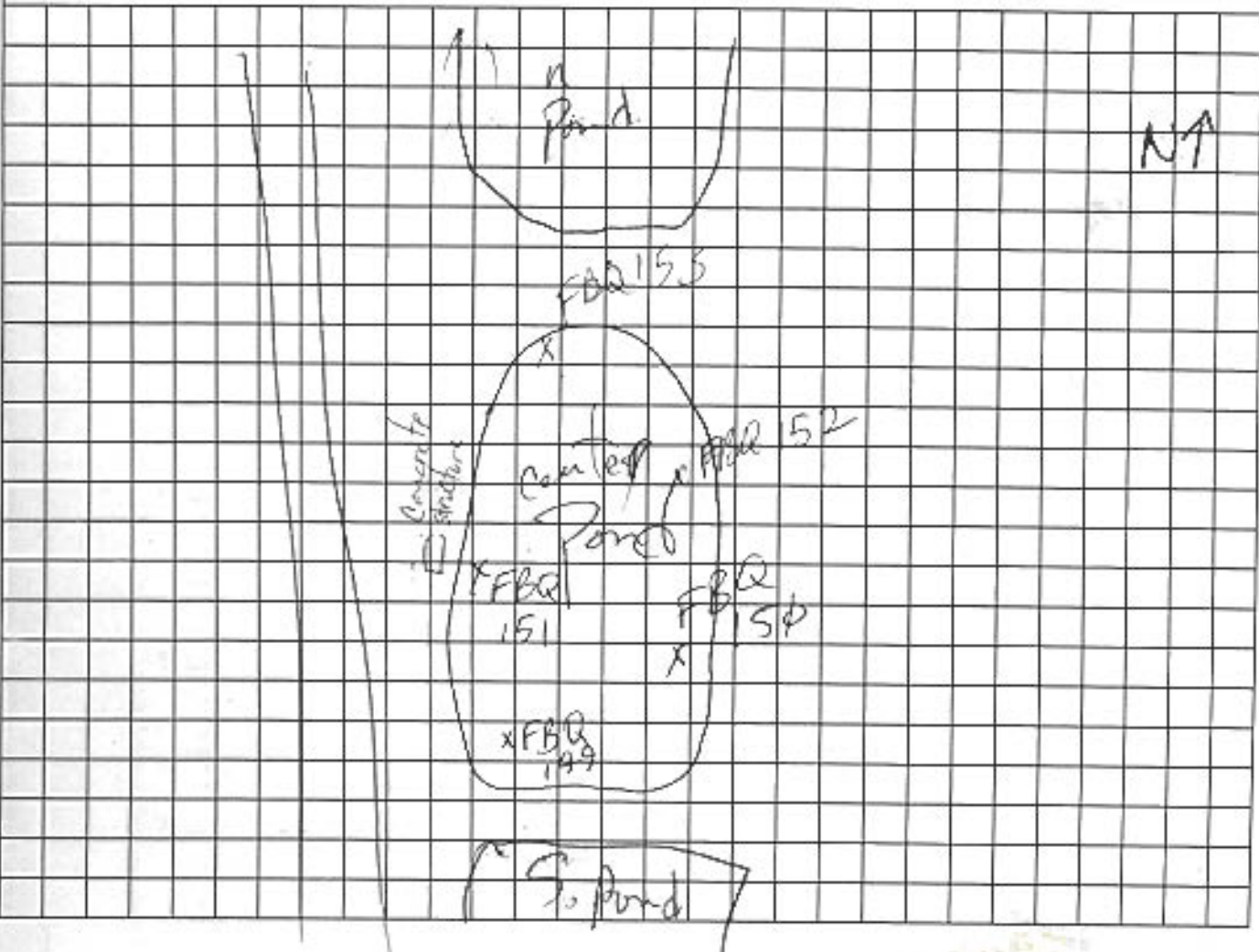
[Signature]

QA Checked By _____

[Signature]

HTRW DRILLING LOG		DISTRICT: Louisville		HOLE NUMBER FBQ 150	
1. COMPANY NAME: SpecPro, Inc.		2. DRILL SUBCONTRACTOR		SHEET 1 of 1	
3. PROJECT: Fuze & Booster/RVAAP			4. LOCATION: Fuze & Booster Quarry Landfill/Pond		
5. NAME OF DRILLER Jiggs Eavis			6. MANUFACTURERS DESIGNATION OF DRILL		
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT 11" Driller SS Spiron SS Drill		8. HOLE LOCATION: FBQ 150			
		9. SURFACE ELEVATION			
		10. DATE STARTED: 10/21/03		11. DATE COMPLETED: 10/21/03	
12. OVERBURDEN THICKNESS: n/c		15. DEPTH GROUND/WATER ENCOUNTERED			
13. DEPTH DRILLED INTO ROCK: n/c		16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED			
14. TOTAL DEPTH OF HOLE: 6"		17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): 2.5'			
18. GEOTECHNICAL SAMPLES		DISTURBED		UNDISTURBED	
19. TOTAL NUMBER OF CORE BOXES		VOC		METALS	
20. SAMPLES FOR CHEMICAL ANALYSIS See gate log		OTHER (SPECIFY)		OTHER (SPECIFY)	
21. TOTAL CORE RECOVERY: 0		OTHER (SPECIFY)		OTHER (SPECIFY)	
22. DISPOSITION OF HOLE Backfilled		MONITORING WELL		OTHER (SPECIFY)	
		23. SIGNATURE OF INSPECTOR <i>[Signature]</i>			

LOCATION SKETCH/COMMENTS SCALE: **n/c**



HTRW DRILLING LOG

PROJECT: Fire & Booster/RVAAP

INSPECTOR: *AG*

HOLE NUMBER: *FBQ15P* 32

SHEET 1 OF 1

ELEV (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO (F)	REMARKS (G)
	0	Olive brn clay, some silt, some sand, some gravel. fine to coarse for all. firm			FBQ sd15P#275	Organic Material roots, stems, grass, leaves
	1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					

AG
12-07-03

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Phase III Fuze & Booster Quarry Landfill/Pond

DELIVERY ORDER: 0012

Date (mm/dd/yyyy): 10/21/03 Su M Tu W Th F Sa

PAGE 1 OF 1

Task Team Members:

Ronda Bailey

Jiggs Eunis

Narrative (include time and location).

1552 - Arrive @ FBO 151. Cleared by Jiggs. Begin sample.

1555 - Retrieve sample FBO sd 151 - p276 SD

1600 - Leave site

H₂O Temp = 14°C

AG
12-08-03

Daily Weather Conditions: A.M. _____

P.M.

Rain, Low 50s

Recorded By

RBA

QA Checked By

Amy Greenwald

HTRW DRILLING LOG

HOLE NUMBER: *FBQ151*

PROJECT: Fuse & Booster/RVAAP

INSPECTOR *MS*

SHEET 1 OF 1

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	0	<i>Olive Brn Sandy Clay Some silt, some Gravel. Fine to coarse grain. Firm. Mottled gray w/ orange</i>			<i>FBQ151 p27050</i>	<i>Organic material roots, stems, leaves & grass</i>
	1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					

6"

*AS
12-08-03*

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Phase III Fuze & Booster Quarry Landfill/Pond

DELIVERY ORDER: 0012

Date (mm/dd/yy): 10/21/03 Su M Tu W Th F Sa

PAGE 1 OF 1

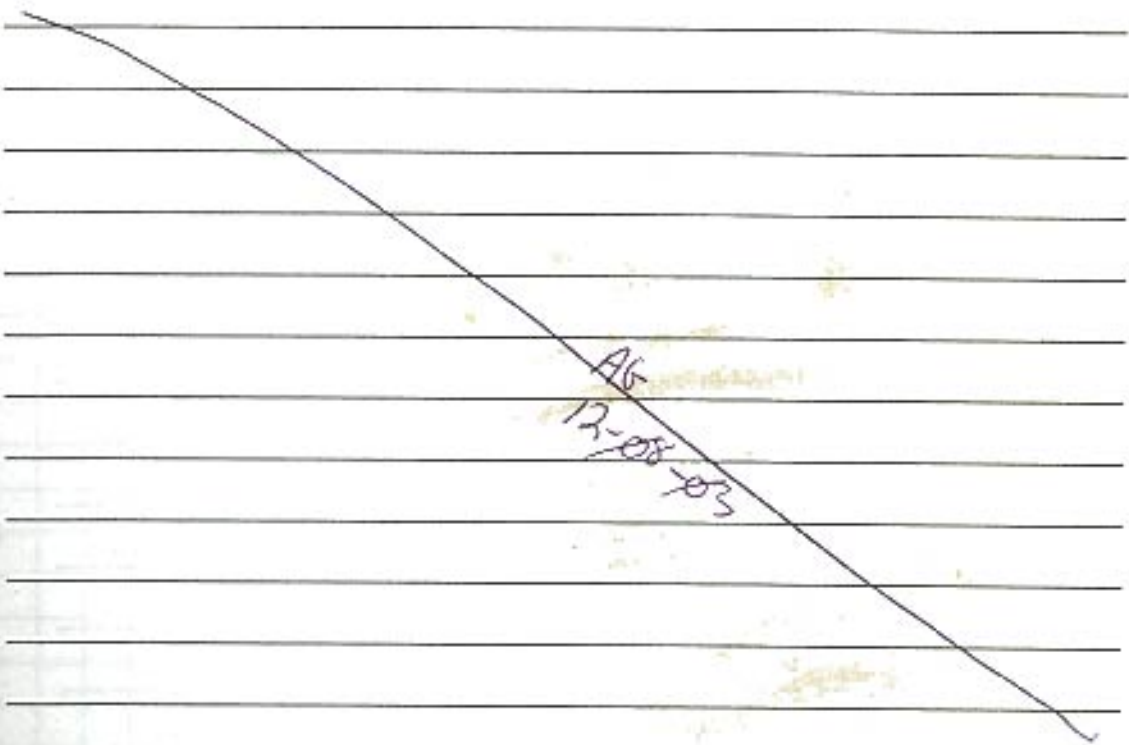
Task Team Members:

Randall Bailey
Jiggs Etais

Narrative (include time and location):

1526- Arrive @ FBO 152. Cleared by
Jiggs. Begin sample FBO sd 152 @ 2775D

1535 - Leave site



AG
12-08-03

Daily Weather Conditions: A.M. _____

P.M. Cloudy, mid 50s,
Recorded By [Signature] QA Checked By Amy A. Leonard

HTRW DRILLING LOG

DISTRICT Louisville

HOLE NUMBER
FBQ152

1. COMPANY NAME: SpecPro, Inc.

2. DRILL SUBCONTRACTOR

SHEET 1 of 1

3. PROJECT: Fuze & Booster/RVAAP

4. LOCATION: Fuze & Booster Quarry Landfill/Pond

5. NAME OF DRILLER

Jeffs Ennis

6. MANUFACTURERS DESIGNATION OF DRILL

7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT

*SS auger
SS auger
SS hand*

8. HOLE LOCATION

FBQ 152

9. SURFACE ELEVATION

10. DATE STARTED: *10/21/03*

11. DATE COMPLETED: *11/24/03*

12. OVERBURDEN THICKNESS

7/8"

15. DEPTH GROUNDWATER ENCOUNTERED

0.0'

13. DEPTH DRILLED INTO ROCK

7/8"

18. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED

7/8"

14. TOTAL DEPTH OF HOLE

6"

17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY):

3.5'

18. GEOTECHNICAL SAMPLES

DISTURBED

UNDISTURBED

19. TOTAL NUMBER OF CORE BOXES

20. SAMPLES FOR CHEMICAL ANALYSIS

VOC

METALS

OTHER (SPECIFY)

OTHER (SPECIFY)

OTHER (SPECIFY)

21. TOTAL CORE RECOVERY

22. DISPOSITION OF HOLE

BACKFILLED

MONITORING WELL

OTHER (SPECIFY)

23. SIGNATURE OF INSPECTOR

[Signature]

LOCATION SKETCH/COMMENTS

See pag 31

SCALE:

HTRW DRILLING LOG

HOLE NUMBER: **FB0152**

PROJECT: **Fuze & Booster/RVAAP**

INSPECTOR: **[Signature]**

SHEET **1** OF **1**

ELEV (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO (F)	REMARKS (G)
	0	<p>Olive brn Clay, Some silt Some sand, some gravel. Firm, fine to coarse, gray mottling.</p>				<p>FB0152/277 Organic Material Roots, stems, leaves</p>
	1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					

AL
 D-05-05

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Phase I/II Fuze & Booster Quarry Landfill/Pond

DELIVERY ORDER: 0012

Date (mm/dd/yy): 10 21 03 Su M (Tu) W Th F Sa
Task Team Members:

PAGE 1 OF 2

Ronda Bailey
Jiggs Ennis

Narrative (include time and location):

1540 - Arrive @ FBQ 153. Cleared by Jiggs. Begin sample FBQ 153 0278 SD

1545 - Retrieve sample.

1549 - Leave site

Daily Weather Conditions: A.M. _____

P.M. Rain, ^(Drizzle) low 50s

Recorded By RJS

QA Checked By Am Howard

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME Phase I/II Fuze & Booster Quarry Landfill/Pond

DELIVERY ORDER: 0012

Date (mm/dd/yy): 11/03/03

Su M Tu W Th F Sa

PAGE 2 OF 2

Task Team Members:

Randy Bailey

Andre Leon

Steve King

Narrative (include time and location):

1135 - Arrive @ FBO 153 for SW

sample FBQsw 153 #293SW

pH 8.30^{7.2} Temp 14.0 Cond. 134.5 DO 6.69 ~~6.5~~

Turb 4.0

114p Leave pond area

Daily Weather Conditions: A.M.

Sunny Low Cls

P.M.

Recorded By

[Signature]

QA Checked By

[Signature]

HTRW DRILLING LOG

HOLE NUMBER: **FBQ 153**

44

PROJECT: **Fuze & Booster RVAAP**

INSPECTOR

SHEET **1** OF **1**

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEO TECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO (F)	REMARKS (G)
	0	Olive brn clay. Some sand, some silt, some gravel. Fine to coarse. Mottled orange & gray, fine.	P10-p.g		FBQ 153/2769D	organic material
	1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					

BLS
12-08-03

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Phase VII Fuze & Booster Quarry Landfill/Pond

DELIVERY ORDER: 0012

Date (mm/dd/yy): 12/21/03 Su M Tu W Th F Sa

PAGE 1 OF 2

Task Team Members:

Ronda Bailey

Jiggs Ennis

Narrative (include time and location):

1620 Arrive @ FBQ 154. Cleared by Jiggs.

1621 Retrieve sample FBQsd 154#279.5D

1632 Leave site

ALC
12-08-03

Daily Weather Conditions: A.M. _____

P.M.

Rain (down pour), high 40°F, windy

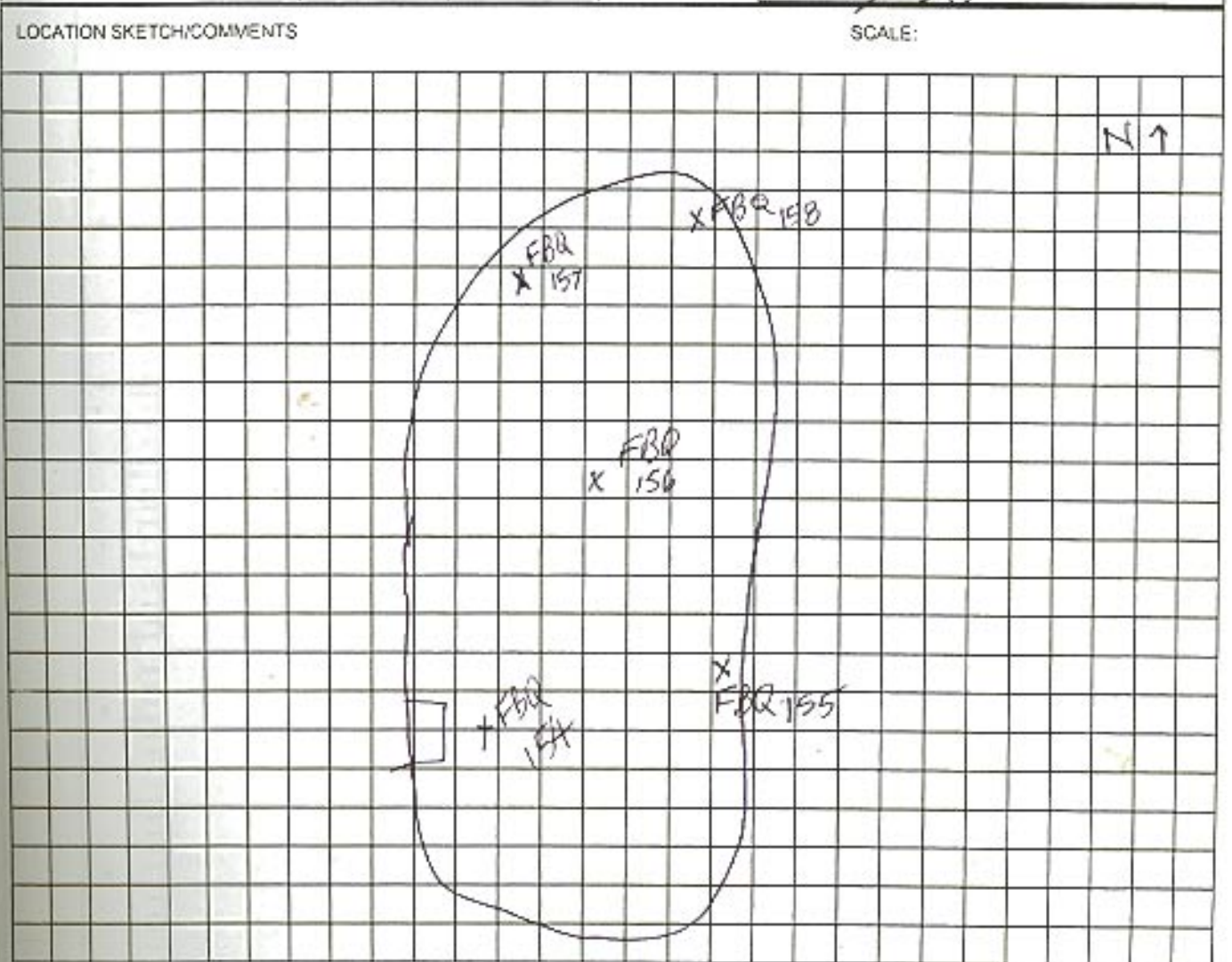
Recorded By

[Signature]

QA Checked By

[Signature]

HTRW DRILLING LOG		DISTRICT: Louisville		HOLE NUMBER FBR 154	
1. COMPANY NAME: SpecPro, Inc.		2. DRILL SUBCONTRACTOR		SHEET 1 of 1	
3. PROJECT: Fuze & Booster/RVAAP			4. LOCATION: Fuze & Booster Quarry Landfill/Pond		
5. NAME OF DRILLER: Jess Ennis			6. MANUFACTURERS DESIGNATION OF DRILL		
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT SS Auger SS Spoon SS Barrel			8. HOLE LOCATION: FBR 154		
			9. SURFACE ELEVATION		
			10. DATE STARTED: 1/21/03		11. DATE COMPLETED: 1/21/03
12. OVERBURDEN THICKNESS: n/c			15. DEPTH GROUNDWATER ENCOUNTERED: n/c		
13. DEPTH DRILLED INTO ROCK: 6" n/a			16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: n/c		
14. TOTAL DEPTH OF HOLE: 6"			17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): 3'		
18. GEOTECHNICAL SAMPLES		DISTURBED	UNDISTURBED		19. TOTAL NUMBER OF CORE BOXES
20. SAMPLES FOR CHEMICAL ANALYSIS Spec. log		VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)
22. DISPOSITION OF HOLE: Spec. log		BANK FILLED	MONITORING WELL	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY %
				23. SIGNATURE OF INSPECTOR [Signature]	



HTRW DRILLING LOG

HOLE NUMBER: *FBQ 19A*

48

PROJECT: Fuze & Booster RVAAP

INSPECTOR

SHEET 1 OF 1

ELEV (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO (F)	REMARKS (G)
	0"	<i>Olive Brn Clay, some sand, some gravel. fine-coarse grain. firm</i>		<i>FBQ 81</i>	<i>15 4/2 7950</i>	<i>Organic material roots - stems, leaves 4 auger buckets</i>
	1"					
	2"					
	3"					
	4"					
	5"					
	6"					
	7"					
	8"					
	9"					
	10"					

*AGS
12-28-83*

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Phase I/II Fuze & Booster Quarry Landfill/Pond

DELIVERY ORDER 0012

Date (mm/dd/yy): 10/21/03 Su M Tu W Th F Sa

PAGE 1 OF 1

Task Team Members:

Ronda Bailey
Jiggs Ennis

Narrative (include time and location):

1637 - Arrive @ FBQ 155. Cleared by Jiggs.
1638 - Retrieve sample FBQ sd 155 0280SD

1645 - Leave site

AG
12-08-03

Daily Weather Conditions: A.M. _____

P.M.

Downpour Rain, Mid-40's F

Recorded By

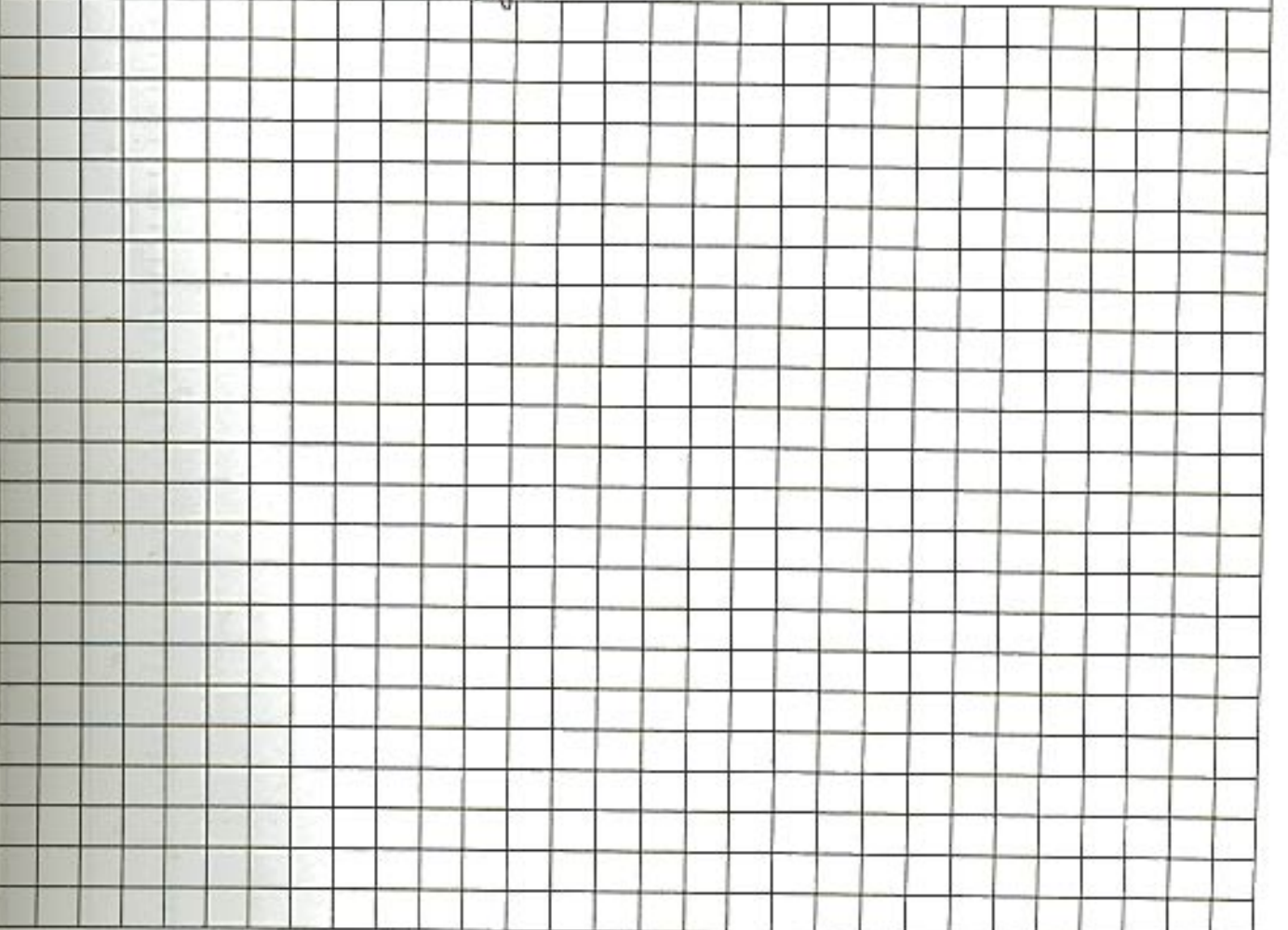
[Signature]

QA Checked By

[Signature]

HTRW DRILLING LOG		DISTRICT: Louisville		HOLE NUMBER FBQ 155	
1. COMPANY NAME: SpecPro, Inc.		2. DRILL SUBCONTRACTOR:		SHEET L of L	
3. PROJECT: Fuze & Booster/RVAAP			4. LOCATION: Fuze & Booster Quarry Landfill/Pond		
5. NAME OF DRILLER: <i>Jess Evans</i>			6. MANUFACTURERS DESIGNATION OF DRILL:		
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: <i>SS Auger SS Spinning SS Hammer</i>		8. HOLE LOCATION: <i>FBQ 155</i>		9. SURFACE ELEVATION: <i>n/c</i>	
12. OVERBURDEN THICKNESS: <i>n/c</i>		15. DEPTH GROUNDWATER ENCOUNTERED: <i>n/c</i>		10. DATE STARTED: <i>10/21/03</i>	
13. DEPTH DRILLED INTO ROCK: <i>n/c</i>		16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: <i>n/c</i>		11. DATE COMPLETED: <i>10/21/03</i>	
14. TOTAL DEPTH OF HOLE: <i>10"</i>		17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): <i>3'</i>			
18. GEOTECHNICAL SAMPLES		DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES	
20. SAMPLES FOR CHEMICAL ANALYSIS: <i>See next log</i>		VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)
22. DISPOSITION OF HOLE: <i>1</i>		BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY %
23. SIGNATURE OF <i>[Signature]</i>					

LOCATION SKETCH/COMMENTS: *See Pg 47* SCALE:



HTRW DRILLING LOG

HOLE NUMBER **FBA-1552**

PROJECT: Fuze & Booster/RVAAP

INSPECTOR *[Signature]*

SHEET 1 OF 1

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO (D)	REMARKS (E)
	0	Olive brn clayey silt, some sand, some gravel fine to coarse, loose	PID: P 4	FBA sd/552/250		Organic Material 4 angas buckets
	1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					

AG
12-18-03

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Phase III Fuze & Booster Quarry Landfill/Pond

DELIVERY ORDER: 0012

Date (mm/dd/yy): 11/30/03 Su (M) Tu W Th F Sa

PAGE 1 OF 1

Task Team Members:

Andie Leon

Ronda Bailey

Steve King

Narrative (include time and location):

10:30 - Arrive @ FBQ 156. Cleared by
S. King. Center of pond. 5ft of water1045 pH 74.5 Temp 16.3°C Cond 248.1 DO 4.81 Turb 13.1
FBQ sd 150 p281 SD

11:00 - Pull boat out of the water

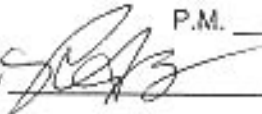
AG
12-08-03

Daily Weather Conditions: A.M.

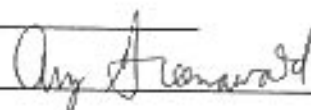
Sunny High 50°

P.M.

Recorded By



QA Checked By



HTRW DRILLING LOG

DISTRICT: Louisville

HOLE NUMBER
FBQ 156

55

1. COMPANY NAME: **SpecPro, Inc.**

2. DRILL SUBCONTRACTOR

SHEET 1 of 1

3. PROJECT: **Fuze & Booster/RVAAP**

4. LOCATION: **Fuze & Booster Quarry Landfill/Pond**

5. NAME OF DRILLER

Andre Leon

6. MANUFACTURERS DESIGNATION OF DRILL

7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT

*SS 3/4" -
SS 1/2" -
SS 3/4" Auger*

8. HOLE LOCATION

FBQ 156

9. SURFACE ELEVATION

n/c

10. DATE STARTED: *11/30/03*

11. DATE COMPLETED: *11/30/03*

12. OVERBURDEN THICKNESS

n/c

15. DEPTH GROUNDWATER ENCOUNTERED

n/c

13. DEPTH DRILLED INTO ROCK

n/c

16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED

n/c

14. TOTAL DEPTH OF HOLE

6"

17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)

5'

18. GEOTECHNICAL SAMPLES

DISTURBED

UNDISTURBED

19. TOTAL NUMBER OF CORE BOXES

20. SAMPLES FOR CHEMICAL ANALYSIS

VOC

MFLA #

OTHER (SPECIFY)

OTHER (SPECIFY)

OTHER (SPECIFY)

21. TOTAL CORE RECOVERY

See act. log

BACKFILLED

MONITORING WELL

OTHER (SPECIFY)

23. SIGNATURE OF INSPECTOR

[Signature]

LOCATION SKETCH/COMMENTS

See pg 47

SCALE:

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Phase I/II Fuze & Booster Quarry Landfill/Pond

DELIVERY ORDER: 0012

Date (mm/dd/yy): 12/21/03 Su M Tu W Th F Sa

PAGE 1 OF 1

Task Team Members:

Ronck Bailey
Tiggs Emmis

Narrative (include time and location):

1703 - Arrive @ FBQ 157. Cleared by Tiggs

1706 - Start sampling

1705 - ^{Retriever} sample FBQ sd 1570282 SD

1708 - Leave site

* 3 1/2" Auger used; Eckman dredge unusable on pond floor.

AG
12-08-03

Daily Weather Conditions: A.M.

P.M. Rain, low 40s high wind

Recorded By

AG

QA Checked By

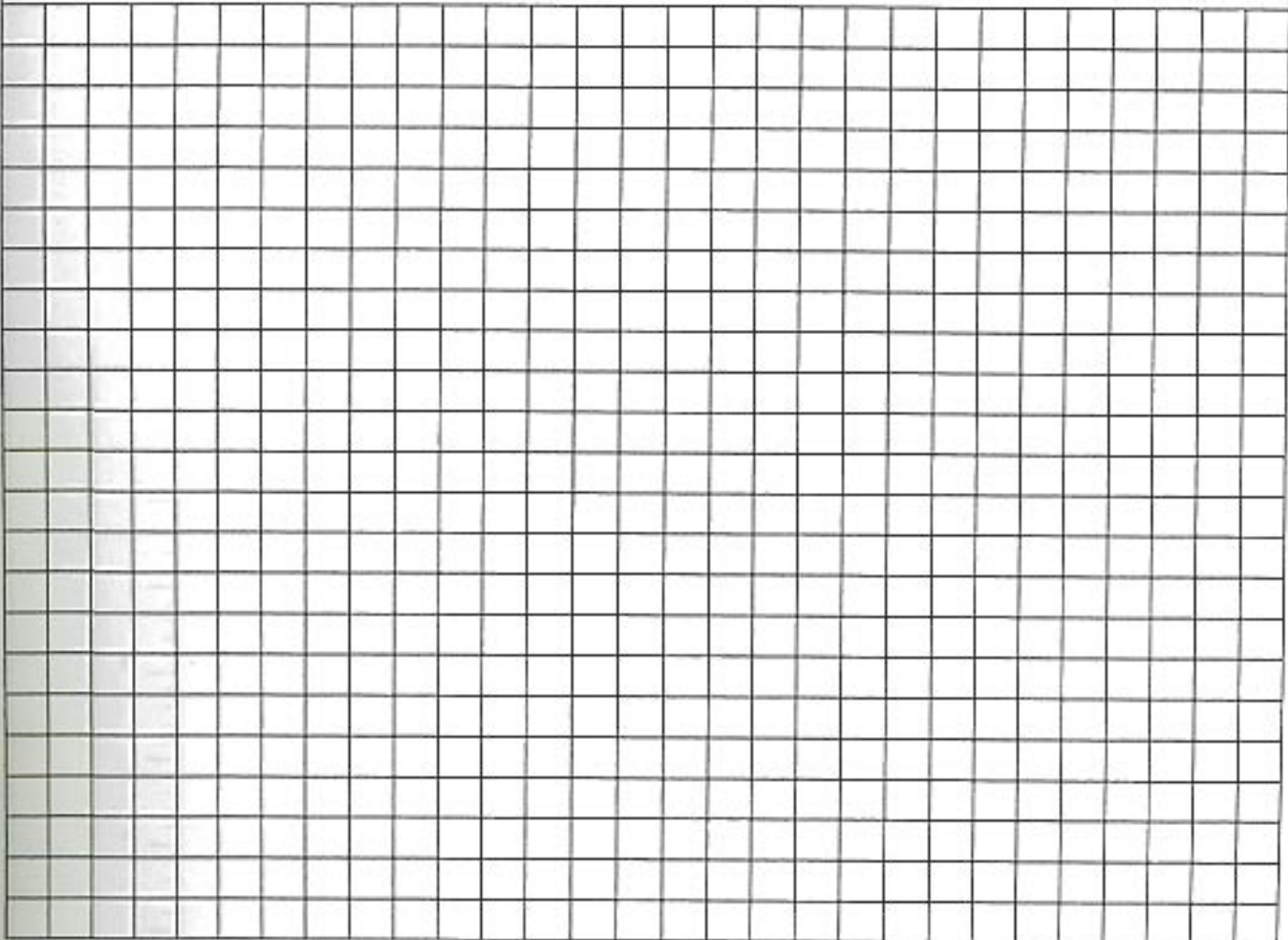
Ang Freeman

HTRW DRILLING LOG		DISTRICT: Louisville		HOLE NUMBER FBQ 157	
1. COMPANY NAME: SpecPro, Inc.		2. DRILL SUBCONTRACTOR:		SHEET 1 of 1	
3. PROJECT: Fuze & Booster/RVAAP			4. LOCATION: Fuze & Booster Quarry Landfill/Pond		
5. NAME OF DRILLER: Jags		6. MANUFACTURERS DESIGNATION OF DRILL:			
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT SS Auger SS Spoon SS Saw		8. HOLE LOCATION: FBQ 157		9. SURFACE ELEVATION:	
12. OVERBURDEN THICKNESS: n/a		15. DEPTH GROUNDWATER ENCOUNTERED:			
13. DEPTH DRILLED INTO ROCK: n/a		16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED:			
14. TOTAL DEPTH OF HOLE: 6"		17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): 3'			
18. GEOTECHNICAL SAMPLES		DISTURBED		UNDISTURBED	
20. SAMPLES FOR CHEMICAL ANALYSIS See Act log		100		METALS	
22. DISPOSITION OF HOLE: g		BACKFILLED		MONITORING WELL	
				OTHER (SPECIFY):	
				OTHER (SPECIFY):	
				OTHER (SPECIFY):	
				21. TOTAL CORE RECOVERY %	
				23. SIGNATURE OF INSPECTOR: [Signature]	

LOCATION SKETCH/COMMENTS

See pg 47

SCALE:



HTRW DRILLING LOG

HOLE NUMBER: *FBQ156*

PROJECT: *Fuze & Booster/RVAAP*

INSPECTOR: *[Signature]*

SHEET | OF |

56

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEO TECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO (F)	REMARKS (G)
	0	<i>Blk and grey sandy clay and silt. gravel - fine to coarse & pebbles.</i>			<i>FBQ156P20</i>	<i>SP some organics (hair glass, roots) 2 duster bucket</i>
	1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					

BIG 12-08-03

HTRW DRILLING LOG

HOLE NUMBER: **FBQ 157**

60

PROJECT: **Fuze & Booster RVAAP**

INSPECTOR: *J. H. H.*

SHEET **1** OF **1**

ELEV (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO (F)	REMARKS (G)
	0	Olive brn sandy clay, some silt, some gravel. Fine to coarse firm	PID=0.0	FBQ 157 20	82 50	Roots, grass, stems, etc. 5 gages bucket
	1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					

ALS
12-08-03

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Phase I/II Fuze & Booster Quarry Landfill/Pond

DELIVERY ORDER: 0012

Date (mm/dd/yy): 10/21/03 Su M Tu W Th F Sa

PAGE 1 OF 1

Task Team Members:

Ronda Bailey
Tiggs Ennis

Narrative (include time and location):

1652 Arrive @ FBQ 158. Cleared by
Tiggs.
1654 - Retrieve Sample FBQ sd 158 #283 SP

1700 Leave Site

* Eckman dredge ^{not usable} ~~out of service~~ used 3 1/2" Auger
26". Floor of pond too hard, grassy, & rocky.

Daily Weather Conditions: A.M. _____

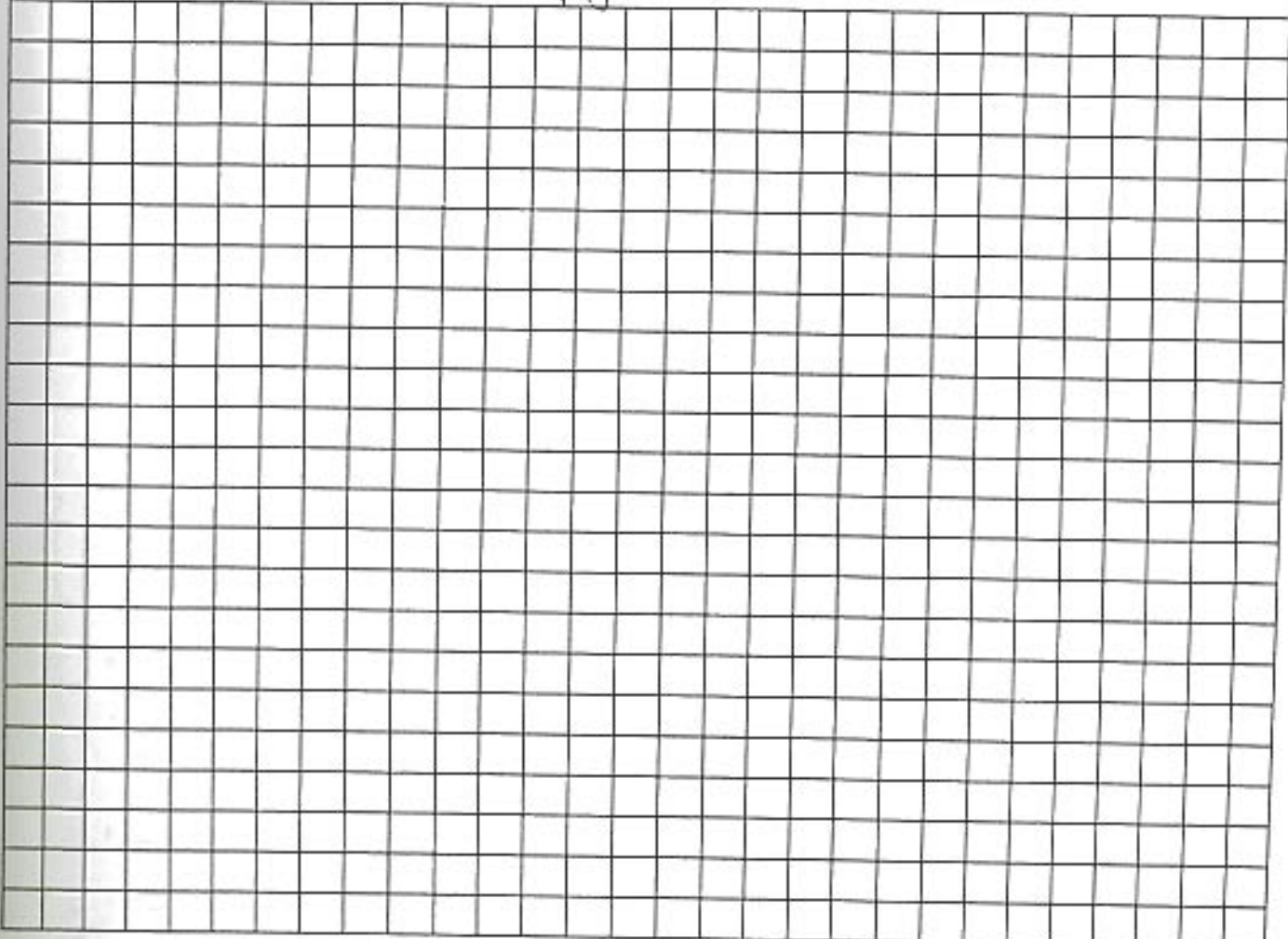
P.M. Brieze Rain, Low 40s °F

Recorded By RAB

QA Checked By Doug Acanawald

HTRW DRILLING LOG		DISTRICT: Louisville			HOLE NUMBER FBQ 158		
1. COMPANY NAME: SpecPro, Inc.		2. DRILL SUBCONTRACTOR:			SHEET 1 OF 1		
3. PROJECT: Fuze & Booster/RVAAP			4. LOCATION: Fuze & Booster Quarry Landfill/Pond				
5. NAME OF DRILLER: Tiggs			6. MANUFACTURERS DESIGNATION OF DRILL:				
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT:			8. HOLE LOCATION: FBQ 158				
			9. SURFACE ELEVATION:				
			10. DATE STARTED: 10/21/03		11. DATE COMPLETED: 10/21/03		
12. OVERBURDEN THICKNESS: n/a			15. DEPTH GROUNDWATER ENCOUNTERED: n/a				
13. DEPTH DRILLED INTO ROCK: n/a			16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: n/a				
14. TOTAL DEPTH OF HOLE: 6'			17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): 2'				
18. GEOTECHNICAL SAMPLES		DISTURBED		UNDISTURBED		19. TOTAL NUMBER OF CORE BOXES	
20. SAMPLES FOR CHEMICAL ANALYSIS		VOC		METALS		OTHER (SPECIFY)	
See Oct. 16, 03						21. TOTAL CORE RECOVERY: %	
22. DISPOSITION OF HOLE		BACKFILLED		MONITORING WELL		OTHER (SPECIFY)	
						23. SIGNATURE OF INSPECTOR: <i>[Signature]</i>	

LOCATION SKETCH/COMMENTS: **See Pg 48** SCALE:



HTRW DRILLING LOG

HOLE NUMBER: FBQ158

64

PROJECT: Fuse & Booster RVAAP

INSPECTOR: *RSTB*

SHEET 1 OF

ELEV (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEO TECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO (F)	REMARKS (G)
	0	Olive brn clayey silt, some sand, some gravel, fine to coarse. <i>stf loose.</i>	PID-PP	FBQsd158	0283 SD	Organic Mat, leaves stems, grass, roots 4 gal bucket
	1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					

*OK
12-28-85*

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Phase I/II Fuze & Booster Quarry Landfill/Pond

DELIVERY ORDER 0012

Date (mm/dd/yy): 10-23-03 Su M Tu W Th F Sa

PAGE 1 OF 1

Task Team Members:

Ronda Bailey

Jims Ennis

Amber Leon

Chantelle Carroll

Narrative (include time and location):

1738 - Arrive @ FBQ 126. Cleared by Jags. Begin sampling FBQsd 1260251SD

0953 - Due to roots, stems & grass, ordered to 1ft. Not enough sediment for full suite. Begin digging additional holes adjacent to first.

1002 - Final hole, total of 5 for full suite and split.

4' of H₂O

Daily Weather Conditions: A.M.

Overcast, mid 40s

P.M.

Recorded By

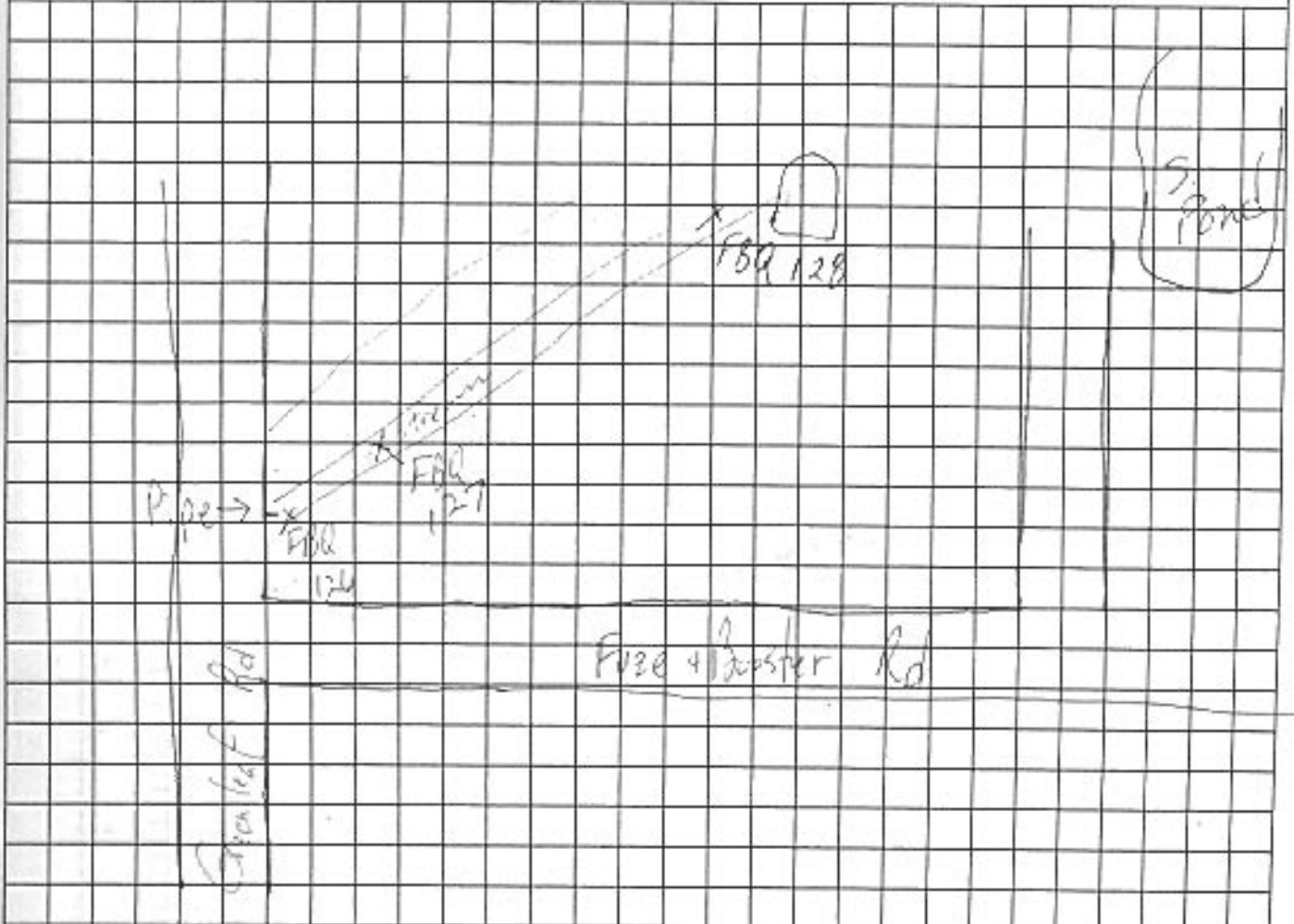
[Signature]

QA Checked By

Amy Greenwald

HTRW DRILLING LOG		DISTRICT: Louisville		HOLE NUMBER FBO 126
1. COMPANY NAME: SpecPro, Inc.		2. DRILL SUBCONTRACTOR		SHEET 1 of 1
3. PROJECT: Fuze & Booster/RVAAP		4. LOCATION: Fuze & Booster Quarry Landfill/Pond		
5. NAME OF DRILLER: Andre Leon		6. MANUFACTURERS DESIGNATION OF DRILL:		
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: SS 5/8" DIA SS 1" BOWL		8. HOLE LOCATION: FBO 126		
		9. SURFACE ELEVATION: n/a		
		10. DATE STARTED: 11-3-03	11. DATE COMPLETED: 11-23-03	
12. OVERBURDEN THICKNESS: n/a		15. DEPTH GROUNDWATER ENCOUNTERED: Surface		
13. DEPTH DRILLED INTO ROCK: n/a		18. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED:		
14. TOTAL DEPTH OF HOLE: 46'		17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): 6'		
18. GEOTECHNICAL SAMPLES:	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES:	
20. SAMPLES FOR CHEMICAL ANALYSIS:	VOC	METALS	OTHER (SPECIFY):	OTHER (SPECIFY):
22. DISPOSITION OF HOLE:	BACKFILLED	MONITORING WELL	OTHER (SPECIFY):	21. TOTAL CORE RECOVERY: %
			23. SIGNATURE OF INSPECTOR: [Signature]	

LOCATION SKETCH/COMMENTS SCALE: No Scale



HTRW DRILLING LOG

HOLE NUMBER: *13-05-03*

68

PROJECT: *Fuze & Booster RVAAP*

INSPECTOR: *[Signature]*

SHEET | OF |

ELEV (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO (F)	REMARKS (G)
	<i>6"</i>	<i>fine brown sandy clay and silt. Some grey chertlike pieces of sand, P. no.</i>	<i>P12 P9</i>		<i>P12 P9</i>	<i>Organic material top of sediment</i> <i>Augered to 1'</i> <i>total of 3 holes for full suite & split</i>
	1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					

FIG 13-05-03

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Phase I/II Fuze & Booster Quarry Landfill/Pond

DELIVERY ORDER: 0012

Date (mm/dd/yy): 10/23/03 Su M Tu W Th F Sa

PAGE 1 OF 1

Task Team Members:

Ronda Bailey
Andre Lewis
Charlette Carroll
Jiggs Farris

Narrative (include time and location):

1018 - Arrive @ FBO 127. Cleared by Jiggs. Begin sampling. FBO 127 0252 SD
1025 - Take adjacent holes to first for full suite or split. Total of 3 holes
1038 - Abandon site. Depart site

Daily Weather Conditions: A.M. Overcast mid 40s F

P.M.
Recorded By: [Signature] QA Checked By: Amy Armanard

HTRW DRILLING LOG

DISTRICT Louisville

HOLE NUMBER

FBR 127

1. COMPANY NAME: SpecPro, Inc.

2. DRILL SUBCONTRACTOR

SHEET 1 of 1

3. PROJECT: Fuze & Booster/RVAAP

4. LOCATION: Fuze & Booster Quarry Landfill/Pond

5. NAME OF DRILLER

A. J. R. E.

6. MANUFACTURER'S DESIGNATION OF DRILL

7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT

5/8" 2000
 5/8" 1000
 5/8" 1/2" Auger

8. HOLE LOCATION:

FBR 127

9. SURFACE ELEVATION

10. DATE STARTED

11/23/03

11. DATE COMPLETED

11/23/03

12. OVERBURDEN THICKNESS

n/a

15. DEPTH GROUNDWATER ENCOUNTERED

Surface

13. DEPTH DRILLED INTO ROCK

n/a

16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED

14. TOTAL DEPTH OF HOLE

1 1/2"

17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY):

6"

18. GEOTECHNICAL SAMPLES

DISTURBED

UNDISTURBED

19. TOTAL NUMBER OF CORE BOXES

20. SAMPLES FOR CHEMICAL ANALYSIS

VOC

METALS

OTHER (SPECIFY)

OTHER (SPECIFY)

OTHER (SPECIFY)

21. TOTAL CORE RECOVERY %

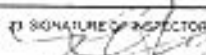
22. DISPOSITION OF HOLE

BACKFILLED

MONITORING WELL

OTHER (SPECIFY)

23. SIGNATURE OF INSPECTOR



LOCATION SKETCH/COMMENTS

See pg 67

SCALE:

HTRW DRILLING LOG

HOLE NUMBER: *EPH-127*

72

PROJECT: *Fuze & Booster RVAAP*

INSPECTOR: *[Signature]*

SHEET 1 OF 1

ELEV (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEO TECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO (F)	REMARKS (G)
	6"	<i>Clay brn clay & silt Some sand & gravel trace sand</i>			<i>EPH-127 Q25250</i>	<i>Organic Material Roots, grass, stems, leaves. 3 holes for full suite, & split</i>
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						

*AF
12-05-03*

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Phase III Fuze & Booster Quarry Landfill/Pond

DELIVERY ORDER: 0012

Date (mm/dd/yy): 10/23/03 Su M Tu W Th F Sa PAGE 1 OF 1

Task Team Members:

Ronda Bailey Tyges Ennis
Andre Leon
Chantelle Carroll

Narrative (include time and location):

1048 - Arrive @ FBR-128 Cleared by Tyges.
Begin sample FBR/28/025350
1055 - 2 holes for full suite.
1110 - Abandon Site Report site AMS

* Stream - need water sample? Light flow.

Daily Weather Conditions: A.M. Rain, Sleet, Low 40's F

P.M. _____
Recorded By [Signature] QA Checked By Amy Starnward

HTRW DRILLING LOG		DISTRICT Louisville		HOLE NUMBER FBQ 128	
1. COMPANY NAME: SpecPro, Inc.		2. DRILL SUBCONTRACTOR		3-EST 1 of 1	
3. PROJECT Fuze & Booster/RVAAP			4. LOCATION Fuze & Booster Quarry Landfill/Pond		
5. NAME OF DRILLER Andrew Leach			6. MANUFACTURERS DESIGNATION OF DRILL		
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT 35 33 35		8. HOLE LOCATION FBQ 128		9. SURFACE ELEVATION	
12. OVERBURDEN THICKNESS n/c		10. DATE STARTED 1/23/03		11. DATE COMPLETED 1/23/03	
13. DEPTH DRILLED INTO ROCK n/c		15. DEPTH GROUNDWATER ENCOUNTERED n/c		16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED n/c	
14. TOTAL DEPTH OF HOLE 6"		17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY) 8"			
18. GEOTECHNICAL SAMPLES		DISTURBED		UNDISTURBED	
19. TOTAL NUMBER OF CORE BOXES		20. SAMPLES FOR CHEMICAL ANALYSIS		21. TOTAL CORE RECOVERY %	
22. DISPOSITION OF HOLE		VOC		METALS	
		OTHER (SPECIFY)		OTHER (SPECIFY)	
23. SIGNATURE OF INSPECTOR		BACKFILLED		MONITORING WELL	
		OTHER (SPECIFY)			
LOCATION SKETCH/COMMENTS		See pg 67		SCALE:	

HTRW DRILLING LOG

HOLE NUMBER: FD 128

76

PROJECT: Fuze & Booster RVAAP

INSPECTOR: [Signature]

SHEET 1 OF 1

AG
12-05-03

TASK TEAM ACTIVITY LOG SHEET

77

PROJECT NAME: Phase III Fuze & Booster Quarry Landfill/Pond

DELIVERY ORDER 0012

Date (mm/dd/yy): 11/03/03 Su (M) Tu W Th F Sa

PAGE 1 OF 1

Task Team Members:

Andy Feam _____
Renee Bely _____
Steve King _____

Narrative (include time and location):

0915 - Arrive @ center of S pond FBQ 146.
Cleared by S. King.

0920 - Begin using auger w/extension in 5ft H₂O
pH 7.70 temp 13.8°C cond 106.0 turb 4.6 DO 8.25
Sample FBQ sd #27/52 SD

0940 - Pulled boat out of pond,

Daily Weather Conditions: A.M. Sunny mid 50s

P.M. _____

Recorded By [Signature] QA Checked By Amy Freeman

HTRW DRILLING LOG

HOLE NUMBER: **F80146**

80

PROJECT: **Fuze & Booster/RVAAP**

INSPECTOR: *R. Adams*

SHEET **1** OF **1**

ELEV (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO (F)	REMARKS (G)
	0	<i>DK Olive Brn siltysand and gravel. gravel fine to coarse, pebbles.</i>	<i>P/D - φ.φ</i>		<i>F80146 #27 025250</i>	<i>trace of organic material 3 angles cutlets</i>
	1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					

*AG
12-08-03*

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Phase III Fuze & Booster Quarry Landfill/Pond

DELIVERY ORDER: 0012

Date (mm/dd/yy): 11/30/03 Su M Tu W Th F Sa

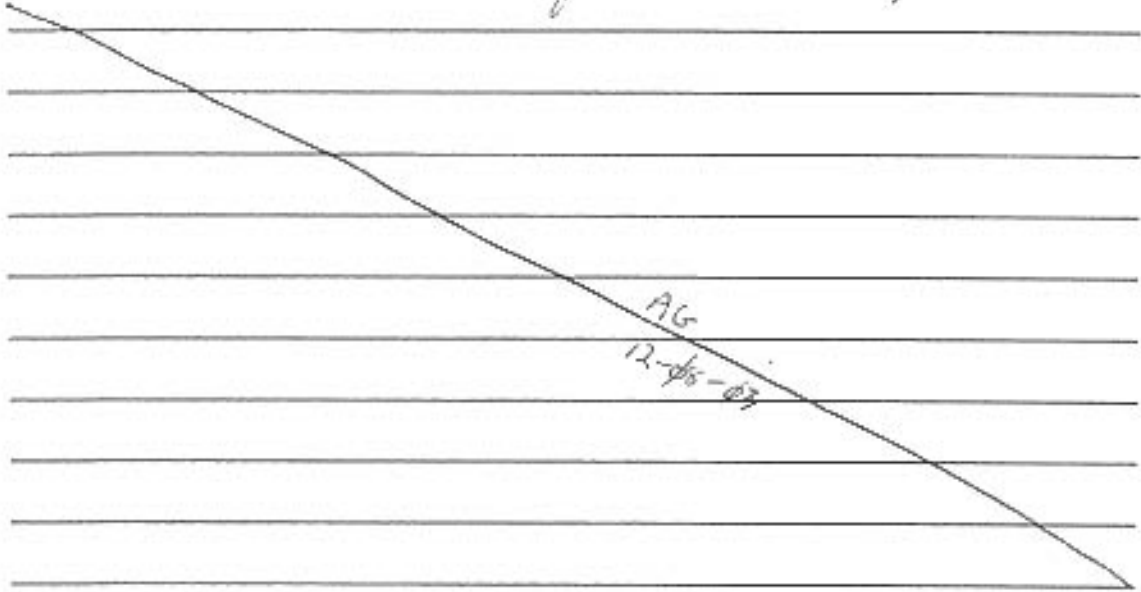
PAGE 1 OF 1

Task Team Members:

Andre Leon
Randa Bailey
Steve King

Narrative (include time and location):

1445 - Arrived @ FBQ 130. Cleared by S. King
Begin retrieving samples for gw. FBQ 130 #295
1515 - pH 6.95 Turb: 260 Cond: 157.4 D.O. 1.25
Temp 18.7°C
1525 - Retrieve sd samples + duplicate split FBQ 130-130-C
FBQsd130025SD (5) (5)
1544 - Leave site for sed sample FBQ 131



AG
12-15-03

Daily Weather Conditions: A.M. _____

P.M. Sunny, High 60s

Recorded By

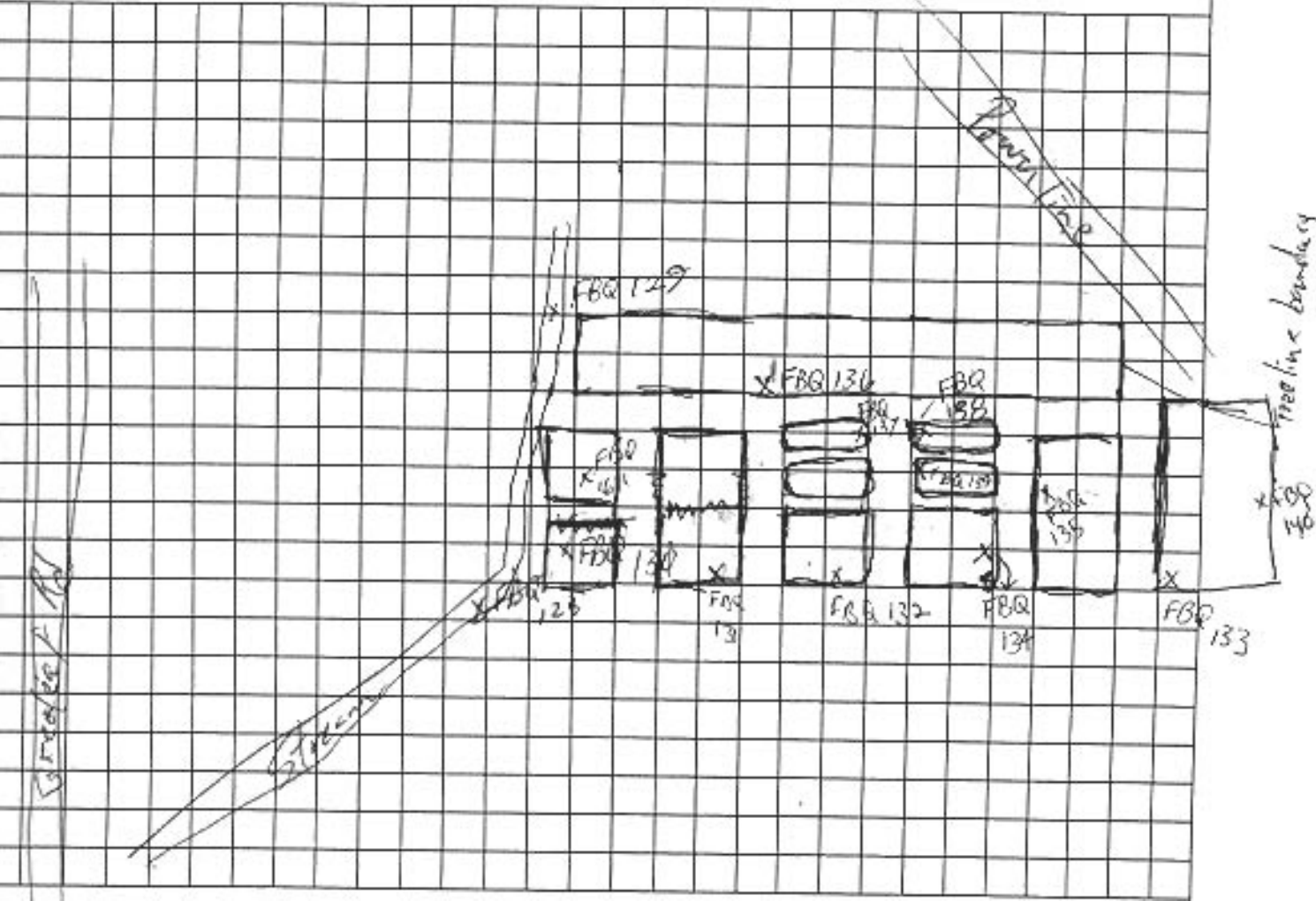
[Signature]

QA Checked By

[Signature]

HTRW DRILLING LOG		DISTRICT: Louisville		HOLE NUMBER FBQ 130	
1. COMPANY NAME: SpecPro, Inc.		2. DRILL SUBCONTRACTOR:		SHEET 1 of 1	
3. PROJECT: Fuze & Booster/RVAAP			4. LOCATION: Fuze & Booster Quarry Landfill/Pond		
5. NAME OF DRILLER: <i>Ronda Bailey</i>			6. MANUFACTURERS DESIGNATION OF DRILL:		
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: <i>SS spoon SS bowl</i>		8. HOLE LOCATION: <i>FBQ 130</i>		9. SURFACE ELEVATION: <i>n/a</i>	
12. OVERBURDEN THICKNESS: <i>n/a</i>		10. DATE STARTED: <i>11/3/13</i>		11. DATE COMPLETED: <i>11/3/13</i>	
13. DEPTH DRILLED INTO ROCK: <i>n/a</i>		15. DEPTH GROUNDWATER ENCOUNTERED:		16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED:	
14. TOTAL DEPTH OF HOLE: <i>3'-6"</i>		17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): <i>4"</i>			
18. GEOTECHNICAL SAMPLES		DISTURBED		UNDISTURBED	
20. SAMPLES FOR CHEMICAL ANALYSIS: <i>Site acid digest</i>		VOC		METALS	
22. DISPOSITION OF HOLE: <i>Backfilled</i>		MONITORING WELL		OTHER (SPECIFY)	
				19. TOTAL NUMBER OF CORE BOXES	
				OTHER (SPECIFY)	
				OTHER (SPECIFY)	
				OTHER (SPECIFY)	
				21. TOTAL CORE RECOVERY	
				23. SIGNATURE OF INSPECTOR: <i>RAB</i>	

LOCATION SKETCH/COMMENTS: SCALE: *no gate*



HTRW DRILLING LOG

HOLE NUMBER: *F-80/134*

84

PROJECT: *Fuze & Booster RVAAP*

INSPECTOR: *RAB*

SHEET 1 OF

ELEV (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEO TECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO (F)	REMARKS (G)
		<i>Grayish brown silt, trace sand, trace clay</i>	<i>P.D.O.</i>		<i>F80/134/255/17</i>	<i>Organics - leaves, stems, roots, grass, gauda buds etc</i>
	1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					

12-88-0%

HTRW DRILLING LOG

HOLE NUMBER **FBA 151**

88

PROJECT: Fuse & Booster RVAAP

INSPECTOR *RSB*

SHEET 1 OF 1

ELEV (M)	DEPTH (M)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO (F)	REMARKS (G)
	0	grayish brown clayey silt. some orange mottling, trace sand, trace gravel, fine to med.	910-1-p		FBA 301318290	Organic material leaves, stems, roots, grass, twigs, etc.
	1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					

AL
12-08-03

TASK TEAM ACTIVITY LOG SHEET

89

PROJECT NAME: Phase III RI Fuze & Booster Quarry Landfill/Pond DELIVERY ORDER NO: 0012

Date (mm/dd/yy): 11/3/03 Su (M Tu W Th F Sa

PAGE 1 OF 2

ABB 10/30/04

Task Team Members:

Randy Bely

Andre Leach

Steve King

Narrative (include time and location):

155 ϕ - Arrive @ FBQ 132. Cleaned by King
begin ^{sw} sample
FBQ_{sw} 132.02975W

1615 - begin soil sample FBQ_{sd} 132.02575W and
pH 5.85, Temp 15.6, ρ_{20} 151.2, Temp 13.3, ρ_{20} 90.90 ^{split}

1705 - Leave site

AG

12-08-03

Daily Weather Conditions: A.M. _____

P.M. Sunny High 60s

Recorded By: [Signature]

QA Checked By: Amy Greenwald

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Phase III RI Fuze & Booster Quarry Landfill/Pond DELIVERY ORDER NO: 0012

Date (mm/dd/yy): 06/30/04 Su M Tu (W) Th F Sa PAGE _____ OF 2
 Task Team Members:

Chantelle Carroll

Al Brillinger

Narrative (include time and location):

11:30 Arrive @ FBQ 132 to collect surface water samples,
for perchlorate analysis.

- avg. water depth \approx 2-3" (west side deeper)
- vegetation = 90-95% coverage

11:40 Collect surface water sample FBQSW-132-0A14-SW (:split)
parameters: temp = 17.9°C, pH = 7.3, DO = 1.11 mg/L, cond. = 61.0 μ S

11:50 leave site

Daily Weather Conditions: A.M. 70-75°F, sunny (rain last night)
 P.M. _____

Recorded By Al Brillinger QA Checked By _____

HTRW DRILLING LOG

DISTRICT: Louisville

 HOLE NUMBER
FBO 132

91

1. COMPANY NAME: SpecPro, Inc.

2. DRILL SUBCONTRACTOR

 SHEET 1 of 1

3. PROJECT: Fuze & Booster/RVAAP

4. LOCATION: Fuze & Booster Quarry Landfill/Pond

 5. NAME OF DRILLER: *Ken DeLoe King*

6. MANUFACTURERS DESIGNATION OF DRILL

7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT

*52 Spoon
 53 Spoon
 3/8 SS auger*

 8. HOLE LOCATION: *FBO 132*

 9. SURFACE ELEVATION: *n/a*

 10. DATE STARTED: *11/3/03*

 11. DATE COMPLETED: *11/3/03*

 12. OVERBURDEN THICKNESS: *n/a*

 12. DEPTH GROUNDWATER ENCOUNTERED: *n/a*

 13. DEPTH DRILLED INTO ROCK: *n/a*

 16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: *n/a*

14. TOTAL DEPTH OF HOLE

 17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): *6"*

18. GEOTECHNICAL SAMPLES

DISTURBED

UNDISTURBED

19. TOTAL NUMBER OF CORE BOXES

20. SAMPLES FOR CHEMICAL ANALYSIS

VOC

METALS

OTHER (SPECIFY)

OTHER (SPECIFY)

OTHER (SPECIFY)

21. TOTAL CORE RECOVERY %

22. DISPOSITION OF HOLE

BACKFILLED

MONITORING WELL

OTHER (SPECIFY)

23. SIGNATURE OF INSPECTOR

[Signature]

LOCATION SKETCH/COMMENTS

See pg 85

SCALE:

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEO TECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO (F)	REMARKS (G)
	0	grayish brown clay + silt some brown mottling, trace sand, trace gravel, fine lenses	Prof 1		FB010132 p25750	organic material stems, roots, leaves grass <i>[Signature]</i>
	1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					

*AG
12-05-04*

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Phase I/II RI Fuze & Booster Quarry Landfill/Pond DELIVERY ORDER NO. 0012

Date (mm/dd/yy): 11/03 Su M Tu W Th F Sa

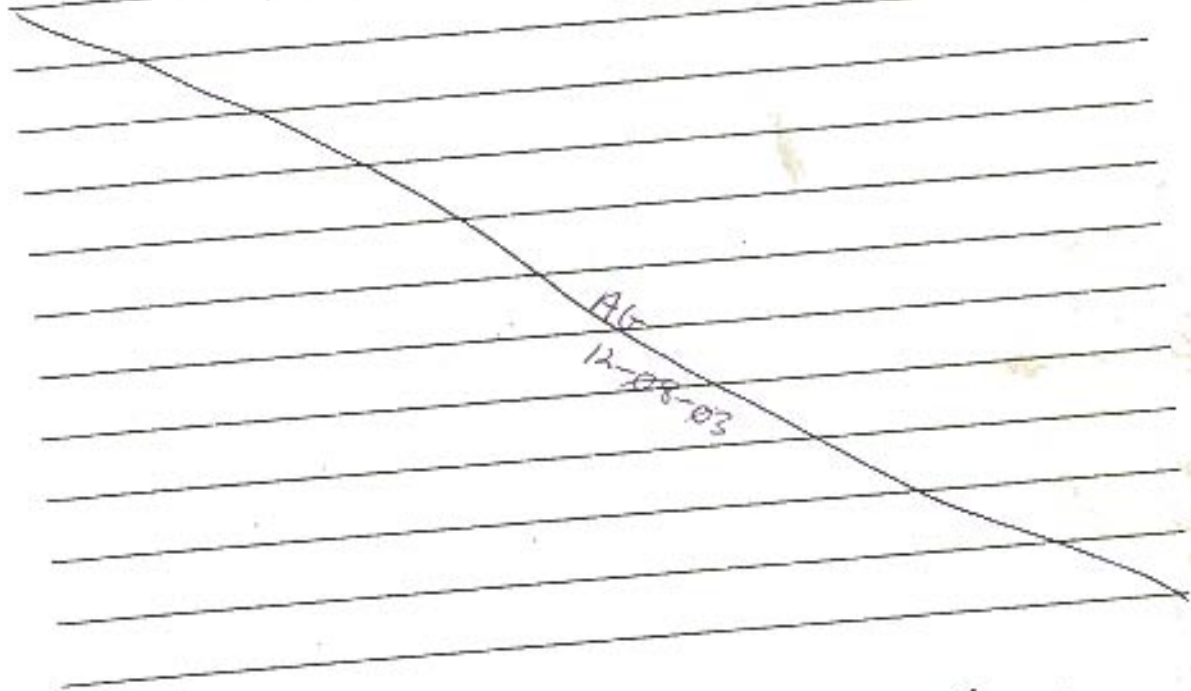
PAGE 2 OF 2

Task Team Members:
George Leon
Randy Bradley
Steve Kinc

Narrative (include time and location):

1540 - Working @ FBQ 141 for SD sample
Cleared by S. Kinc
FBQ sd 141 #266SD

1558 - Taped samples. Leave site



AG
12-08-03

Daily Weather Conditions: A.M. _____

P.M. _____

Overcast mid 40s

HTRW DRILLING LOG

DISTRICT **Louisville**

HOLE NUMBER

FBO 141

95

1. COMPANY NAME: **SpecPro, Inc.**

2. DRILL SUBCONTRACTOR:

SHEET **1 of 1**

3. PROJECT: **Fuze & Booster/RVAAP**

4. LOCATION: **Fuze & Booster Quarry Landfill/Pond**

5. NAME OF DRILLER: **Andre Leon**

6. MANUFACTURERS DESIGNATION OF DRILL:

7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT:

**CS Auger
CS Suction
CS Wash**

8. HOLE LOCATION: **FBO 141**

9. SURFACE ELEVATION:

10. DATE STARTED: **11/6/03**

11. DATE COMPLETED: **11/6/03**

12. OVERBURDEN THICKNESS:

15. DEPTH GROUNDWATER ENCOUNTERED:

13. DEPTH DRILLED INTO ROCK:

16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED:

14. TOTAL DEPTH OF HOLE: **6"**

17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): **3"**

18. GEOTECHNICAL SAMPLES

DISTURBED

UNDISTURBED

19. TOTAL NUMBER OF CORE BOXES

20. SAMPLES FOR CHEMICAL ANALYSIS

VOC

METALS

OTHER (SPECIFY)

OTHER (SPECIFY)

OTHER (SPECIFY)

21. TOTAL CORE RECOVERY %

22. DISPOSITION OF HOLE

B-CAPPED

MONITORING WELL

OTHER (SPECIFY)

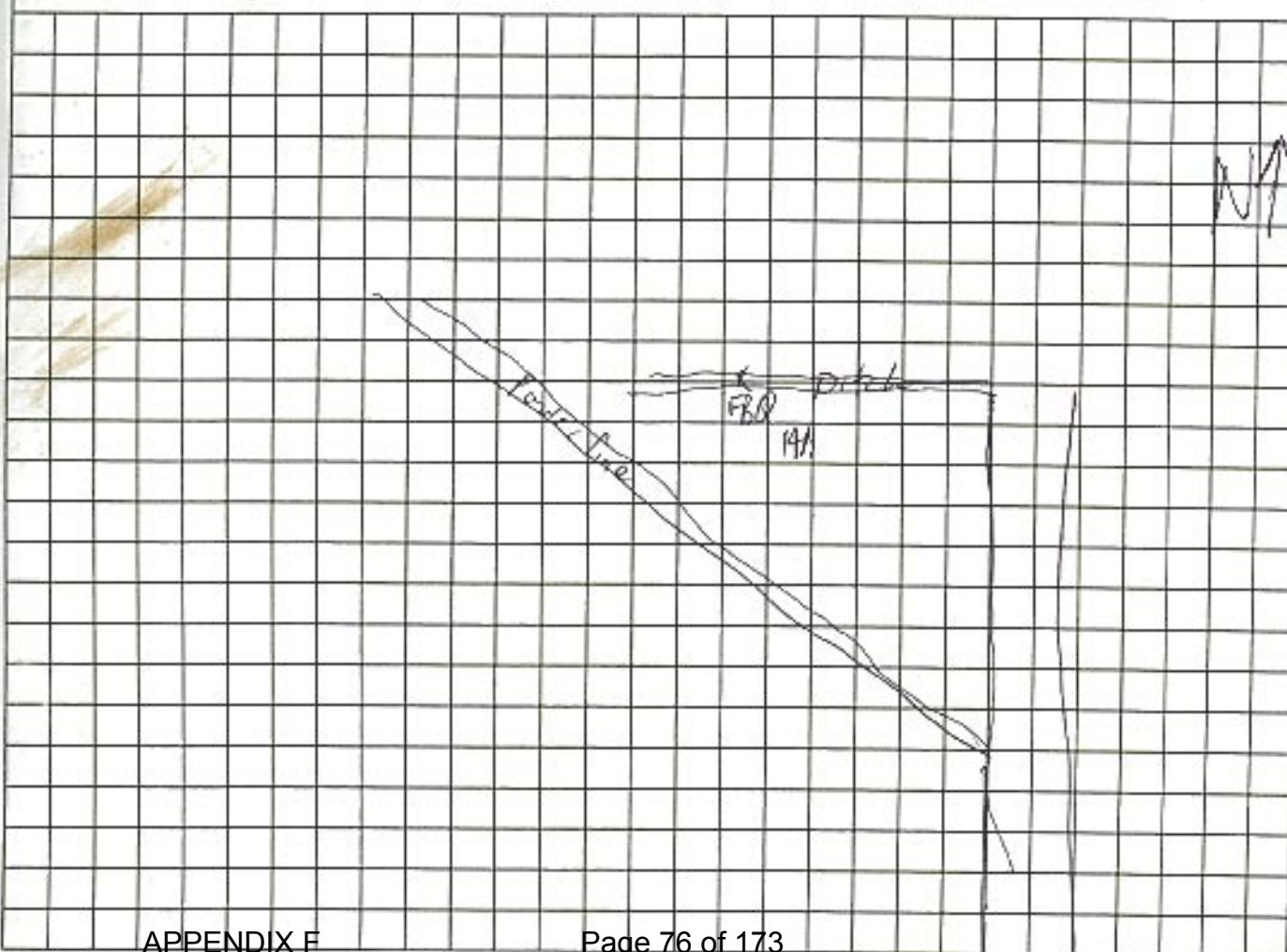
23. SIGNATURE OF INSPECTOR

[Signature]

LOCATION SKETCH/COMMENTS

SCALE:

no scale



ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (E)	REMARKS (G)
	0	<i>DL duno brn silt trace p.p. d.p. d Sand fine-med. saturated / 1052</i>			<i>FBQ 141 #24650</i>	<i>Organic material roots stems leaves to auger buckets</i>
	1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					

*AG
12-20-93*

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME Phase I/II RI Fuze & Booster Quarry Landfill/Pond DELIVERY ORDER NO: 0012

Date (mm/dd/yy): 11/4/03 Su M Tu W Th F Sa PAGE 1 OF 2

Task Team Members:

Andre Leon
Ronda Bailey
Steve King

Narrative (include time and location):

0920 - Arrive @ FBO 133 Cleared by
S. King FBO SW 133 D299 sw for Explosives, Tar, Metals,
propellants, etc, etc, PCB/Pesticides
and took a split sample for
pH, 6.94, Temp 11.8, cond 214.7, Turb 13.7 & D.65
water

AG
12-08-03

Daily Weather Conditions: A.M. Sunny, Low 60s
P.M. _____

Recorded By [Signature] QA Checked By Angie Freeman

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Phase III RI Fuze & Booster Quarry Landfill/Pond DELIVERY ORDER NO: 0012

Date (mm/dd/yy): 11/05/03 Su M Tu (W) Th F Sa PAGE 2 OF 2

Task Team Members:

Andre Leon
Renee Bailey
Steve King

Narrative (include time and location):

1025 - Arrive @ FBO 133. Steve K cleared
the site of with Schmidt. Begin RB
sample and duplicate FBOsd1330258SD
1110 - Depart site for lunch FBOsd1330394SD

AG
12-08-03

Daily Weather Conditions: A.M. Overcast, mild 50°
P.M. _____

Recorded By RBA QA Checked By Amy Greenaway

TRW DRILLING LOG		DISTRICT: Louisville			HOLE NUMBER FBO 133	
COMPANY NAME: SpecPro, Inc.		2 DRILL SUBCONTRACTOR			sheet <u>1</u> of <u>1</u>	
PROJECT: Fuze & Booster/RVAAP				4. LOCATION: Fuze & Booster Quarry Landfill/Pond		
NAME OF DRILLER: <i>Steve King</i>				6. MANUFACTURERS DESIGNATION OF DRILL		
SIZES AND TYPES OF DRILLING SAMPLING EQUIPMENT: <i>3 1/2 SS auger SS hand auger SS spoon</i>				8. HOLE LOCATION: FBO 133		
OVERBURDEN THICKNESS				9. SURFACE ELEVATION:		
DEPTH DRILLED INTO ROCK				10. DATE STARTED: <i>11/24/03</i> 11. DATE COMPLETED: <i>11/25/03</i>		
TOTAL DEPTH OF HOLE: <i>6"</i>				15. DEPTH GROUNDWATER ENCOUNTERED:		
				16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED:		
				17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): <i>A 6"</i>		
GEOTECHNICAL SAMPLES		DISTURBED		UNDISTURBED		19. TOTAL NUMBER OF CORE BOXES
SAMPLES FOR CHEMICAL ANALYSIS		VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)
<i>1 act. log</i>						21. TOTAL CORE RECOVERY %
DISPOSITION OF HOLE		BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	25. SIGNATURE OF INSPECTOR: <i>[Signature]</i>	

LOCATION SKETCH/COMMENTS: <i>See pg 83</i>	SCALE:

HTRW DRILLING LOG

WELL NUMBER *FOA 133*

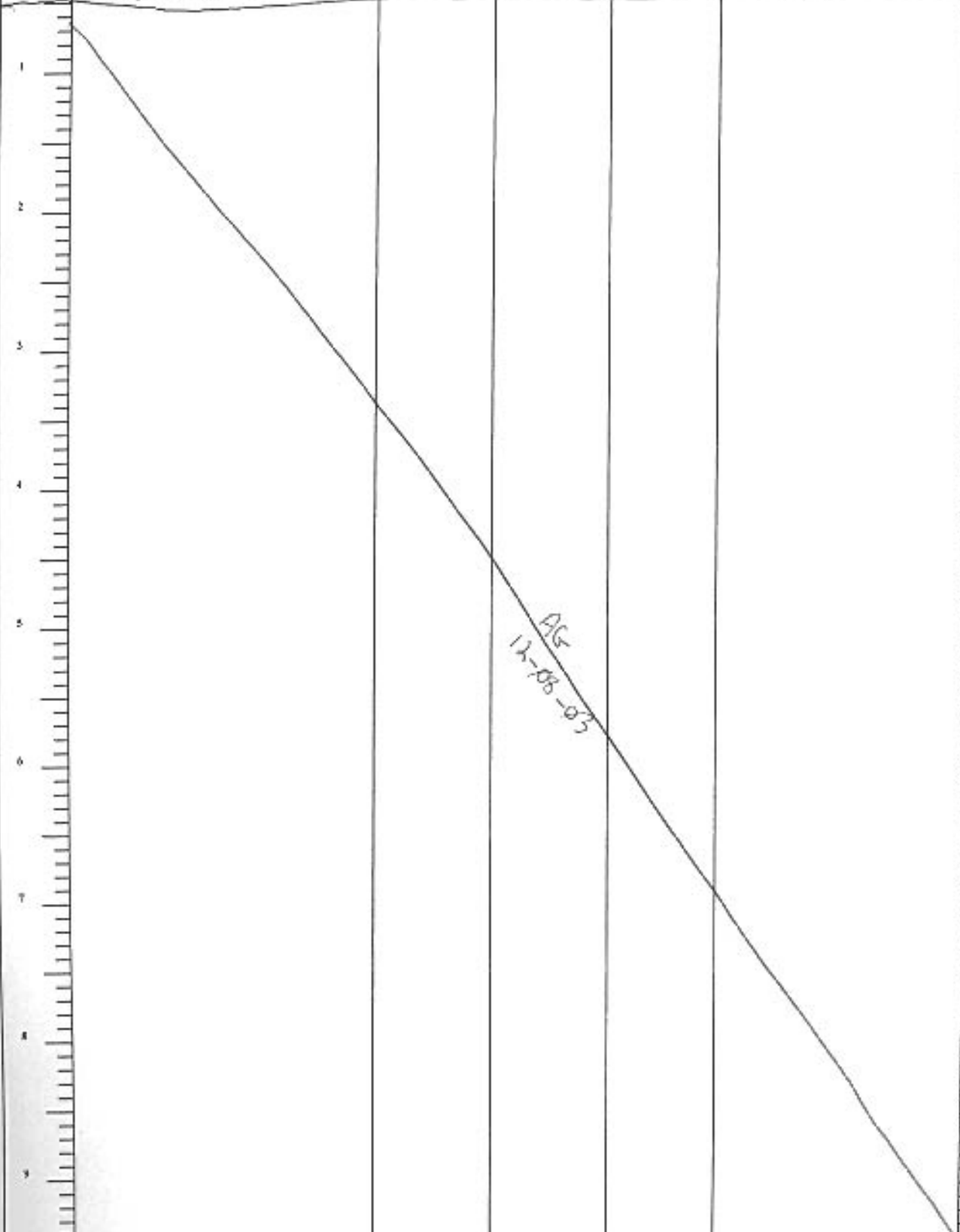
OBJECT: Fuse & Booster RVAAP

INSPECTOR

SHEET 1 OF 1

100

DEPTH (ft)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLING (F)	REMARKS (G)
0'	<i>Brownish gray silt and clay, soft, saturated, some sand and gravel; fine</i>			<i>FOA34133/198 FOA34133/198</i>	<i>upper hole organic material</i>



TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Phase I/II Fuze & Booster Quarry Landfill/Pond

DELIVERY ORDER: 0012

Date (mm/dd/yy): 11/24/03 Su M Tu W Th F Sa PAGE 1 OF 2

Task Team Members:

Andy Leary
Renee Baly
Steve King

Narrative (include time and location):

1230. Arrive @ FBQ 134. Cleared by
S King. Begin SW sample
and ^{Duplicate} JTS MSD. FBQ SW 134 P3 SW JTS

metals/Explosives/SOC/PAH
PCB/Pesticides/mercury/pesticides
etc

1245. pH 8.07 Temp 15.3 Cond. 234.7 DO 3.8 Turb. 177.5

1250 - depart site move to FBQ 135

(This section is crossed out with a diagonal line)

AG
12-08-03

Daily Weather Conditions: A.M. _____

P.M. Sunny High 60's
Recorded By [Signature] QA Checked By Amy Hammond

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Phase VIII Fuze & Booster Quarry Landfill/Pond

DELIVERY ORDER: 0012

Date (mm/dd/yy): 11/25/03 Su M Tu W Th F Sa PAGE 2 OF 2

Task Team Members:

Andrew King

Ronda Bailey

Steve King

Narrative (include time and location):

1425 Arrive @ FBQ 134. Checked by S. King

Bottom Sed Sample. FBQ sd #34 #25950

1450 Depart site for FBQ 138.

Date: 06/30/04 - Wednesday
Chantelle Carroll
Al Brillinger

11:05 - Arrive @ FBQ 134 to collect surface water sample
 cell full of water to depth \approx 3", 90% covered w/
 wetlands vegetation; on site to collect sw for perchlorate analysis

11:15 Collect surface water samples

- FBQSW-134-⁰⁴¹⁰0411-SW (reg. sample)
- FBQSW-134-⁰⁴¹¹0412-SW (duplicate)
- FBQSW-134-⁰⁴¹²0413-SW (MS/MDS)

weather = 70-75°, sunny (rain last night)

parameters temp = 17.0°C, pH = 7.3, DO = 2.09 mg/L, cond. = 49.6 μ S

11:20 LV for FBQ 132

Al Brillinger

Daily Weather Conditions: A.M.

P.M. Overcast low 50s Wind gusts

Recorded By [Signature]

QA Checked By Ang Greenwall

HTRW DRILLING LOG

HOLE NUMBER: **FBR 13A** 104

PROJECT: **Fuze & Booster RVAAP**

INSPECTOR: *[Signature]*

SHEET 1 OF 1

DEPTH (ft)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO (F)	REMARKS (G)
0 - 6	Brownish gray silty clay, tan mottling, trace sand and gravel, fine to medium, field log	PDT-P		FBR 34/29	Organic material, leaves, grasses, stone, roots Sanger Buckets
1 - 9					

AG
12-08-03

TASK TEAM ACTIVITY LOG SHEET

105

PROJECT NAME: Phase I/II Fuze & Booster Quarry Landfill/Pond

DELIVERY ORDER: 0012

Date (mm/dd/yy): 11/04/03 Su M (T) W Th F Sa PAGE 1 OF 2

Task Team Members:

Andre Long
Randy Bily
Steve King

Narrative (include time and location):

1258 Arrive @ FBQ 135. Cleared by
S. King. Basin H₂O SW sample
and ^{Duplicate} MAS MSD. FBQ SW 135 0361 SW

1300 - PEAKING FBQ SW 135-0392 SW

explosives / Trench
Propyl / PCE / Pesticide
VOC / PCB

pH 6.20, Temp 15.6, WDD 59.3 80.40, Turb 22.4

1325 - Depart site for FBQ 136

~~AG
12-08-03~~

Daily Weather Conditions: A.M. _____

P.M. Sunny High 60's

Recorded By RSB

QA Checked By Amy Greenwald

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Phase I/II Fuze & Booster Quarry Landfill/Pond

DELIVERY ORDER: 0012

Date (mm/dd/yy): 11/05/03 Su M Tu W Th F SaPAGE 2 OF 2

Task Team Members:

Anche Leon

Ronald Bradley

Steve King

Narrative (include time and location):

1350 - Arrive @ FBO 135. Cleared

by Steve King. Begin sampling. FBO id 135026050

1419 - Rapid samples, depart for FBO 134

AG
12-05-03

Daily Weather Conditions: A.M. _____

P.M. Overcast, low 50's, Wind gust, light rainRecorded By RCSQA Checked By Amy Greenward

HTRW DRILLING LOG		DISTRICT: Louisville			HOLE NUMBER <i>TBG 135</i>	
1. COMPANY NAME: SpecPro, Inc.		2. DRILL SUBCONTRACTOR:			SHEET <i>1</i> OF <i>1</i>	
3. PROJECT: Fuze & Booster/RVAAP			4. LOCATION: Fuze & Booster Quarry Landfill/Pond			
5. NAME OF DRILLER:			6. MANUFACTURERS DESIGNATION OF DRILL:			
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT		<i>Anchor bolts 400's SS bowl SS Spoon 3/4" SB Auger</i>		8. HOLE LOCATION: <i>FBO135</i>		9. SURFACE ELEVATION:
12. OVERBURDEN THICKNESS		10. DATE STARTED: <i>11/4/03</i>		11. DATE COMPLETED: <i>11/5/03</i>		
13. DEPTH DRILLED INTO ROCK		15. DEPTH GROUNDWATER ENCOUNTERED:		16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED		
14. TOTAL DEPTH OF HOLE: <i>6"</i>		17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): <i>6"</i>				
18. GEOTECHNICAL SAMPLES		DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES		
20. SAMPLES FOR CHEMICAL ANALYSIS		VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)
<i>See act. log</i>						21. TOTAL CORE RECOVERY %
22. DISPOSITION OF HOLE		BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR: <i>JWS</i>	

LOCATION SKETCH/COMMENTS: <i>See Pg 83</i>		SCALE:

HTRW DRILLING LOG

HOLE NUMBER: *FBO 135*

PROJECT: *Fuze & Booster RVAAP*

INSPECTOR: *[Signature]*

SHEET | OF |

ELEV (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO (F)	REMARKS (G)
	0	<i>Brownish gray silty clay, trace sand, low mottling. Saturated Firm</i>	<i>PID: 0.0</i>		<i>FBO 135 #26</i>	<i>Organic Material glass, nails, roots stems 8 auger buckets</i>
1	1					
2	2					
3	3					
4	4					
5	5					
6	6					
7	7					
8	8					
9	9					

*AG
12-08-05*

TASK TEAM ACTIVITY LOG SHEET

109

PROJECT NAME: Phase I/II Fuze & Booster Quarry Landfill/Pond

DELIVERY ORDER: 0012

Date (mm/dd/yy): 11/14/03 Su M Tu W Th F Sa

PAGE 1 OF 2

Task Team Members:

Kande Bailey

Andre Jean

Steve King

Narrative (include time and location):

1400 - Arrive @ FBR 136. Cleared by S King
Begin SW and MS/MSD. FBRs w/ 136 & 137

1400 - treat 265

PH 6.66, Temp 13.9, cond 264.8 SD 1.15 Turb 15.5

1420 Depart site for FBR 137

AG
12-08-03

Daily Weather Conditions: A.M. _____

P.M. Sunny High 60s

Recorded By [Signature]QA Checked By [Signature]

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Phase I/II Fuze & Booster Quarry Landfill/Pond

DELIVERY ORDER: 0012

Date (mm/dd/yy): 11/06/03 Su M Tu W (Th) F Sa PAGE 2 OF 2

Task Team Members:

Anche Leon _____

Ronda Bailey _____

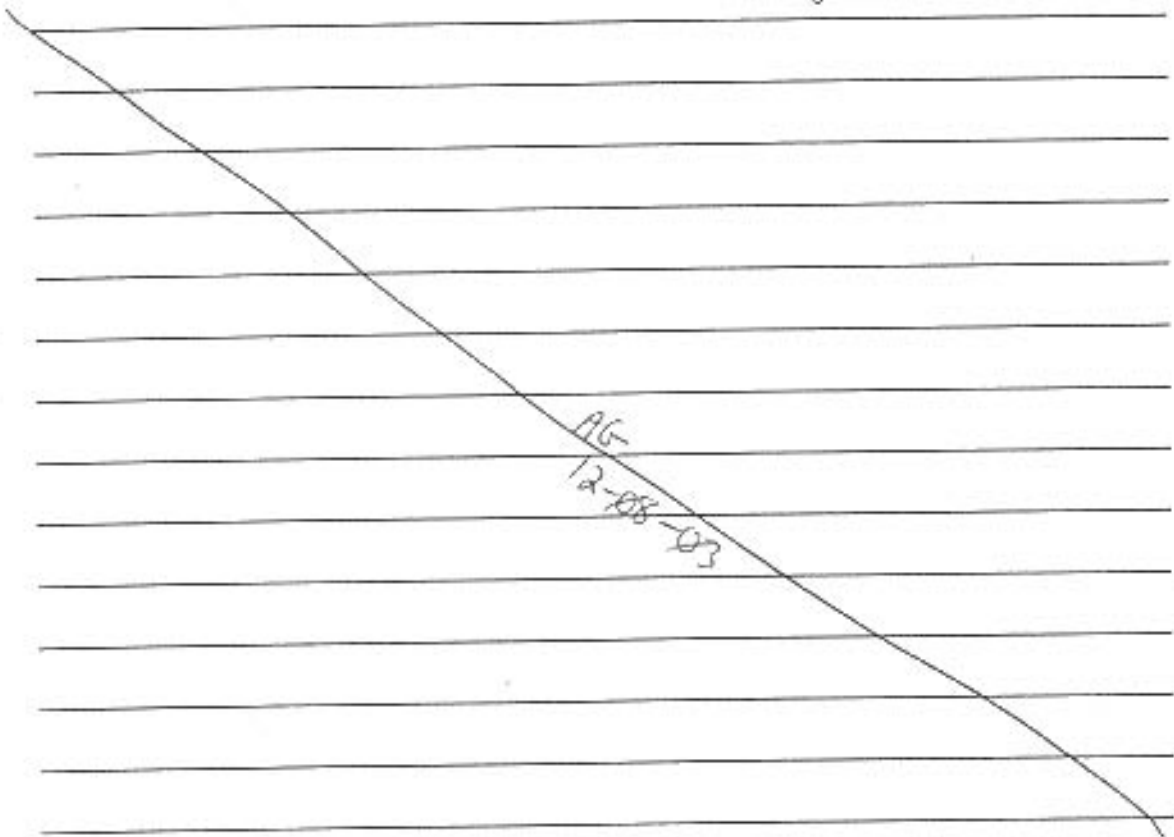
Steve King _____

Narrative (include time and location):

0840 - Drive @ FBR 136. Cleared by S. King.

Begin Sample for Sol. FBRsd 130/26/50

0859 - Tape samples & leave site for FBR 139



AG
12-08-03

Daily Weather Conditions: A.M. Overcast, mid 40s

Recorded By [Signature] P.M. _____

QA Checked By [Signature]

HTRW DRILLING LOG

DISTRICT: Louisville

HOLE NUMBER
FBQ 136

1. COMPANY NAME: SpecPro, Inc.

2. DRILL SUBCONTRACTOR

SHEET 1 of 1

3. PROJECT: Fuze & Booster/RVAAP

4. LOCATION: Fuze & Booster Quarry Landfill/Pond

5. NAME OF DRILLER: Steve King

6. MANUFACTURERS DESIGNATION OF DRILL

7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT

SS Bore
SS Spoon
SS 3 1/2" Auger

8. HOLE LOCATION: FBQ 136

9. SURFACE ELEVATION

10. DATE STARTED: 11/24/03

11. DATE COMPLETED: 11/24/03

12. OVERBURDEN THICKNESS

15. DEPTH GROUNDWATER ENCOUNTERED

13. DEPTH DRILLED INTO ROCK

16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED

14. TOTAL DEPTH OF HOLE: 6"

17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): 10"

18. GEOTECHNICAL SAMPLES

DISTURBED

UNDISTURBED

19. TOTAL NUMBER OF CORE BOXES

20. SAMPLES FOR CHEMICAL ANALYSIS

VOC

METALS

OTHER (SPECIFY)

OTHER (SPECIFY)

OTHER (SPECIFY)

21. TOTAL CORE RECOVERY

22. DISPOSITION OF HOLE

BACKFILLED

MONITORING WELL

OTHER (SPECIFY)

23. SIGNATURE OF INSPECTOR

LOCATION SKETCH/COMMENTS

See Pg 83

SCALE:

HTRW DRILLING LOG

PROJECT: Fuze & Booster RVAAP

INSPECTOR: *PLS*

HOLE NUMBER: 1802130

SHEET 1 OF 1

ELEV (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEO TECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO (F)	REMARKS (G)
	0"	Brownish gray silt, clay, trace sand, trace gravel, fine gravel, saturated	ND:pp		FBQ sd 130 020150	Organic matter of roots, stems, leaves of various plant material 5 angles broken
	1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					

AG
12-05-05

TASK TEAM ACTIVITY LOG SHEET

113

PROJECT NAME: Phase I/II Fuze & Booster Quarry Landfill/Pond

DELIVERY ORDER: 0012

Date (mm/dd/yy): 11/04/03 Su M Tu W Th F Sa

PAGE 1 OF 2

Task Team Members:

Andre Leon

Randy Bailey

Steve King

Narrative (include time and location):

1435 - Arrive @ FBQ 137. Cleared by S King

Begin Sample for FBQ SW 137 03 035 W

1440 - READINGS

pH 6.51 Temp 17.0 COND 175.4 TO 1.25 TURB 43.0 999

1445 - Depart for FBQ 138

AG
12-08-03

Daily Weather Conditions: A.M. _____

P.M. Sunny, High 60°

Recorded By RSBQA Checked By Amy Greenawald

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Phase I/II Fuze & Booster Quarry Landfill/Pond

DELIVERY ORDER: 0012

Date (mm/dd/yy) 11/05/03 Su M Tu W Th F Sa

PAGE 2 OF 2

Task Team Members:

Andrew Lyon _____

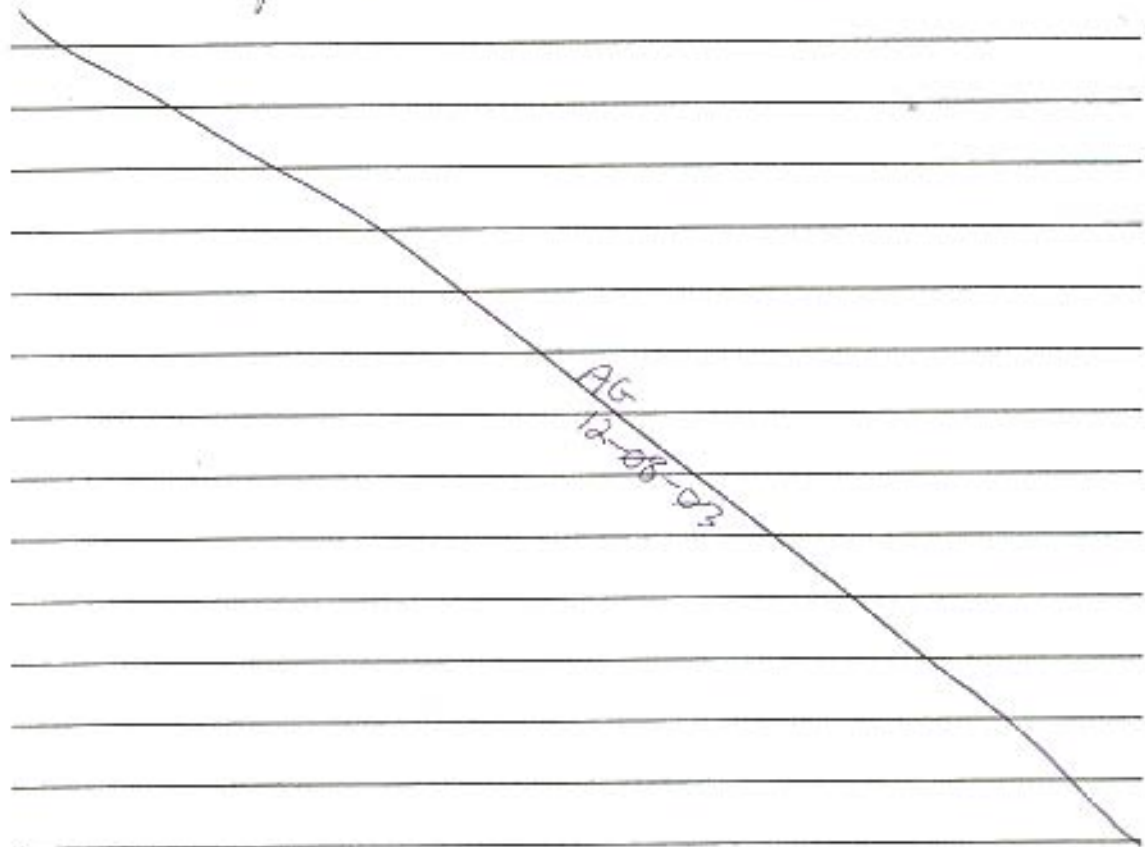
Ronda Bailey _____

Steve King _____

Narrative (include time and location):

1515 - Arrive @ FBO 137. Cleared by
 J. King. Begin soil sample FBOsd 1370303SP

1558 - Depart site



AG
 12-08-03

Daily Weather Conditions: A.M. _____

P.M. Overcast, low 50s some wind

Recorded By [Signature]

QA Checked By [Signature]

HTRW DRILLING LOG

DISTRICT **Louisville**

HOLE NUMBER
FBQ 137

1. COMPANY NAME **SpecPro, Inc.**

2. DRILL SUBCONTRACTOR

SHEET **1** OF **1**

3. PROJECT **Fuze & Booster/RVAAP**

4. LOCATION: **Fuze & Booster Quarry Landfill/Pond**

5. NAME OF DRILLER **Randy Beckley**

6. MANUFACTURERS DESIGNATION OF DRILL

7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT

~~4" dia. bit~~
~~1 1/2" dia. bit~~
~~1/2" AS~~
SS auger
SS (small)
SS spoon
w/c

~~1/2" AS~~
~~1/2" AS~~
~~1/2" AS~~

8. HOLE LOCATION **FBQ 137**

9. SURFACE ELEVATION

10. DATE STARTED **11/04/03**

11. DATE COMPLETED **11/04/03**

12. OVERBURDEN THICKNESS

15. DEPTH GROUNDWATER ENCOUNTERED

13. DEPTH DRILLED INTO ROCK **w/c**

16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED

14. TOTAL DEPTH OF HOLE **6'**

17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY) **7"**

18. GEOTECHNICAL SAMPLES

DISTURBED

UNDISTURBED

19. TOTAL NUMBER OF CORE BOXES

20. SAMPLES FOR CHEMICAL ANALYSIS

VOC

METALS

OTHER (SPECIFY)

OTHER (SPECIFY)

OTHER (SPECIFY)

21. TOTAL CORE RECOVERY %

22. DISPOSITION OF HOLE

BACKFILLED

MONITORING WELL

OTHER (SPECIFY)

23. SIGNATURE OF INSPECTOR

[Signature]

LOCATION SKETCH/COMMENTS

See pg 83

SCALE:

HTRW DRILLING LOG

HOLE NUMBER: FBA137

PROJECT: Fuze & Booster RVAAP

INSPECTOR: [Signature]

SHEET 1 OF 1

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEDIECH SAMPLE UK CYRE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	0'	<u>brownish gray clay, fine silt. firm, saturated mottled tan</u>	<u>PID 1.1</u>		<u>FBA 137 030</u>	<u>Organic material roots, grasses, stems leaves 6 auger buckets</u>
	1'					
	2'					
	3'					
	4'					
	5'					
	6'					
	7'					
	8'					
	9'					

AG
12-08-05

TASK TEAM ACTIVITY LOG SHEET

117

PROJECT NAME: Phase III Fuze & Booster Quarry Landfill/Pond

DELIVERY ORDER: 0012

Date (mm/dd/yyyy): 11/04/03 Su M Tu W Th F Sa

PAGE 1 OF 2

Task Team Members:

Andre Leon

Randy Briley

Steve King

Narrative (include time and location):

1446 - Arrive @ FBQ 138 Cleared

by S. King. Begin SW FBQsw 138/304SW

1510 - READINGS

PH 6.10, Temp 13.0, wind 105.7, SD 1.09, Turb 39.4

1528 - DEPART SITE, WIDE TO FBQ 139

AKG
12-08-03

Daily Weather Conditions: A.M. _____

P.M. Sunny High 60's

Recorded By

AKG

QA Checked By

Amy Greenwald

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Phase I/II Fuze & Booster Quarry Landfill/Pond

DELIVERY ORDER: 0012

Date (mm/dd/yy): 11/5/03 Su M Tu (W) Th F Sa

PAGE 2 OF 2

Task Team Members:

Andre Leon

Steve King

Ronda Berley

Narrative (include time and location):

0940 - Arrive @ FBQ 138. Arrived by S. King
 Begin SD sample and duplicate. FBQsd-138/263-SD
 (Full Suite) FBQsd-138-03935P

1020 - Depart for FBQ 133.

AG
 12-08-03

Daily Weather Conditions: A.M.

Overcast mid to upper 50%.

P.M.

Recorded By

AG

QA Checked By

Amy Greenwald

HTRW DRILLING LOG

HOLE NUMBER: **F60 138**

PROJECT: **Fuze & Booster RVAAP**

INSPECTOR: *[Signature]*

SHEET | **1** | OF | **1** |

ELEV (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADFACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO (F)	REMARKS (G)
	6"	grayish brown clay & silt, fine orange mottling, trace sand & gravel - fine to coarse	PID: b.d		F60 138 #203 50	Organic material grass stems roots leaves Banger hulls
	1					
	2					
	3					
	4					
	5					
	6			AG 12-85-83		
	7					
	8					
	9					

TASK TEAM ACTIVITY LOG SHEET

121

PROJECT NAME: Phase I/II Fuze & Booster Quarry Landfill/Pond

DELIVERY ORDER: 0012

Date (mm/dd/yy): 11/04/03 Su M (Tu) W Th F Sa PAGE 1 OF 2

Task Team Members:

Andre Leon
Randy Bailey
Steve King

Narrative (include time and location):

1530 - Arrive At FBW-139, CLEARTEX
By Steve King, REGIONAL SAMPLING FBW-139P
1532 - pH 6.27 Temp 13.6 Cond 139.0 DO 6.45 Turb 25.3
1540 - Depart site, carry samples
out of pond area.

AG
12-08-03

Daily Weather Conditions: A.M. _____

Recorded By [Signature] P.M. Sunny High 69s
QA Checked By [Signature]

TASK TEAM ACTIVITY LOG SHEET

122

PROJECT NAME: Phase III Fuze & Booster Quarry Landfill/Pond

DELIVERY ORDER: 0012

Date (mm/dd/yy): 11/08/03 Su M Tu W Th F Sa PAGE 2 OF 2

Task Team Members:

Andre Lopez
Kimberly Bailey
Steve King

Narrative (include time and location):

App. Arrived @ FBQ 139. Cleared by
S. King. Begin SD sample / FBQSD1390264SD
0920 - Take jars & leave site.

AG
12-08-03

Daily Weather Conditions: A.M. Overcast mid 40s

P.M.

Recorded By [Signature]

QA Checked By Amy Greenwald

HTRW DRILLING LOG

DISTRICT: Louisville

HOLE NUMBER
FBQ 139

12

1. COMPANY NAME: SpecPro, Inc.

2. DRILL SUBCONTRACTOR

SHEET 1 of 1

3. PROJECT: Fuze & Booster/RVAAP

4. LOCATION: Fuze & Booster Quarry Landfill/Pond

5. NAME OF DRILLER: *Steve King*

6. MANUFACTURERS DESIGNATION OF DRILL

7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT

*SS 3/4" Auger
SS 1/2" auger
CS 5/8" auger*

8. HOLE LOCATION: FBQ 139

9. SURFACE ELEVATION: n/c

10. DATE STARTED: 11/04/03

11. DATE COMPLETED: 11/06/03

12. OVERBURDEN THICKNESS: n/c

15. DEPTH GROUNDWATER ENCOUNTERED:

13. DEPTH DRILLED INTO ROCK: n/c

16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED

14. TOTAL DEPTH OF HOLE: *n/c with 6"*

17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): 9"

18. GEOTECHNICAL SAMPLES

DISTURBED

UNDISTURBED

19. TOTAL NUMBER OF CORE BOXES

20. SAMPLES FOR CHEMICAL ANALYSIS

VOC

METALS

OTHER (SPECIFY)

OTHER (SPECIFY)

OTHER (SPECIFY)

21. TOTAL CORE RECOVERY %

22. DISPOSITION OF HOLE: *See next log*

BACKFILLED

MONITORING WELL

OTHER (SPECIFY)

23. SIGNATURE OF INSPECTOR: *[Signature]*

LOCATION SKETCH/COMMENTS

See Pg 83

SCALE:

HTRW DRILLING LOG

HOLE NUMBER: *FBU 159*

PROJECT: *Fuze & Booster RYAAP*

INSPECTOR *SLB*

SHEET *1* OF *1*

124

ELEV (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO (F)	REMARKS (G)
	<i>6"</i>	<i>Brownish gray silty clay sand Sand, fine, can mottle Saturated, firm, fine texture</i>	<i>NO RP</i>		<i>FBU 159/200</i>	<i>organic matter of rocks, stone, grass leaves 5 larger buckets</i>
	<i>1</i>					
	<i>2</i>					
	<i>3</i>					
	<i>4</i>					
	<i>5</i>					
	<i>6</i>			<i>AG 12-05-03</i>		
	<i>7</i>					
	<i>8</i>					
	<i>9</i>					

TASK TEAM ACTIVITY LOG SHEET

125

PROJECT NAME: Phase I/II Fuze & Booster Quarry Landfill/Pond

DELIVERY ORDER: 0012

Date (mm/dd/yy): 11/05/03 Su M Tu W Th F Sa

PAGE 1 OF 1

Task Team Members:

Andre Leon _____
Ronda Bailey _____
Steve King _____

Narrative (include time and location):

0900 - Arrive @ FBQ 129. Parcel
by S. King. Begin sample FBQsd12902543D
0920 - Describe sediments from approx. 2"
of H₂O
0930 - Tape & label jars
0937 - Leave for FBQ 13B

Daily Weather Conditions: A.M.

Overcast mid 50's

P.M.

Recorded By

[Signature]

QA Checked By

[Signature]

HTRW DRILLING LOGDISTRICT **Louisville**HOLE NUMBER
FBR 1291. COMPANY NAME **SpecPro, Inc.**

2. DRILL SUBCONTRACTOR

SHEET **1** OF **1**3. PROJECT **Fuze & Booster/RVAAP**4. LOCATION **Fuze & Booster Quarry Landfill/Pond**5. NAME OF DRILLER **Steve King**

6. MANUFACTURERS DESIGNATION OF DRILL

7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT

**SS 2" auger
SS 1 1/2" auger
SS 3/2" Auger**8. HOLE LOCATION **FBR 129**9. SURFACE ELEVATION **7/2**10. DATE STARTED **11/05/03**11. DATE COMPLETED **11/05/03**12. OVERBURDEN THICKNESS **7/2**

15. DEPTH GROUNDWATER ENCOUNTERED

13. DEPTH DRILLED INTO ROCK **7/2**

16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED

14. TOTAL DEPTH OF HOLE **6'**17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY) **3"**

18. GEOTECHNICAL SAMPLES

DISTURBED

UNDISTURBED

19. TOTAL NUMBER OF CORE BOXES

20. SAMPLES FOR CHEMICAL ANALYSIS

VOC

METALS

OTHER (SPECIFY)

OTHER (SPECIFY)

OTHER (SPECIFY)

21. TOTAL CORE RECOVERY %

22. DISPOSITION OF HOLE

BACKFILLED

MONITORING WELL

OTHER (SPECIFY)

23. SIGNATURE OF INSPECTOR

UKR

LOCATION SKETCH/COMMENTS

See pg 83

SCALE:

HTRW DRILLING LOG

HOLE NUMBER 984123

PROJECT: Fure & Booster RVAAP

INSPECTOR: *[Signature]*

SHEET 1 OF 1

ELEV (ft)	DEPTH (ft)	DESCRIPTION OF MATERIALS (c)	HEADSPACE SCREENING RESULTS	GROUT SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO (ft)	REMARKS (ft)
	6"	brownish gray silty clay, trace sand, trace gravel; fine. sat. soft.	#10/1		FBQ #12925A ^{SD}	organic material roots, stems, leaves to angles full
1						
2						
3						
4						
5						
6						
7						
8						
9						

*AG
12-08-03*

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Phase I/II Fuze & Booster Quarry Landfill/Pond

DELIVERY ORDER: 0012

Date (mm/dd/yy): 11/16/03 Su M Tu W Th F SaPAGE 1 OF 1

Task Team Members:

Andre Leon

Randy Bailey

Steve King

Narrative (include time and location):

1010 - Arrive @ FBO 140. Cleared

by S. King. Begin samples & duplicate

1050 - Taped samples leave site.

FBO # 140 # 2655

FBO # 141 # 3755

AG

12-03-03

Daily Weather Conditions: A.M. Overcast, upper 40s

P.M. _____

Recorded By RBYQA Checked By Ang Heenan

HTRW DRILLING LOG

DISTRICT Louisville

HOLE NUMBER **FBR 147** 13

1 COMPANY NAME **SpecPro, Inc.**

2 DRILL SUBCONTRACTOR

SHEET **1** OF **1**

3 PROJECT **Fuze & Booster/RVAAP**

4 LOCATION **Fuze & Booster Quarry Landfill/Pond**

5 NAME OF DRILLER **Steve King**

6 MANUFACTURERS DESIGNATION OF DRILL

7 SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT

**SS Auger
SS Spinn
SS Tool**

8 HOLE LOCATION **FBR 147**

9 SURFACE ELEVATION

10. DATE STARTED **11/26/03**

11. DATE COMPLETED **11/26/03**

12. OVERBURDEN THICKNESS

15. DEPTH GROUNDWATER ENCOUNTERED

13. DEPTH DRILLED INTO ROCK

16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED

14. TOTAL DEPTH OF HOLE **6'**

17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY) **3"**

18. GEOTECHNICAL SAMPLES

DISTURBED

UNDISTURBED

19. TOTAL NUMBER OF CORE BONES

20. SAMPLES FOR CHEMICAL ANALYSES

VOC

METALS

OTHER (SPECIFY)

OTHER (SPECIFY)

OTHER (SPECIFY)

21. TOTAL CORE RECOVERY

22. DISPOSITION OF HOLE

BACKFILLED

MONITORING WELL

OTHER (SPECIFY)

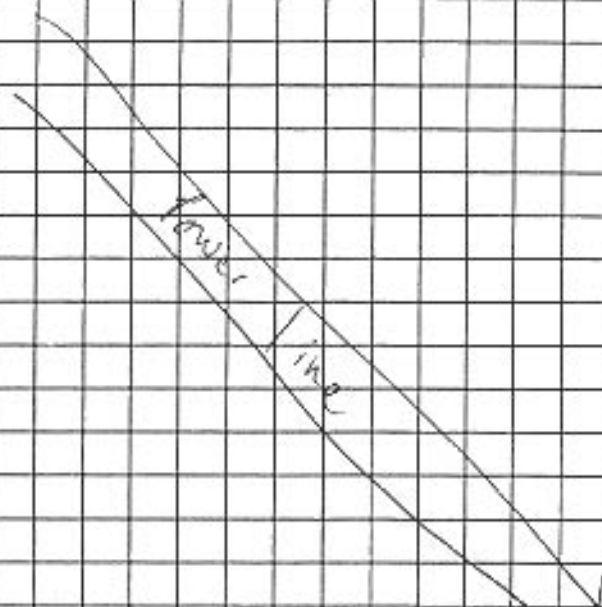
23. SIGNATURE OF INSPECTOR **RSB**

LOCATION SKETCH/COMMENTS

see also pg 83

SCALE: **10 Seals**

NA ↑



ELEV (ft)	DEPTH (ft)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEO TECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO (D)	REMARKS (E)
	0.5	Dark brown silty clay, trace gravel fine to med.	P.O. 9P		15010140039530	Organic material leaves, grass roots, and stems 8 amber buckets
	1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					

ALG
12-05-03

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Phase I/II Fuze & Booster Quarry Landfill/Pond

DELIVERY ORDER: 0012

Date (mm/dd/yy): 11/16/03 Su M Tu W Th F Sa

PAGE 1 OF 1

Task Team Members:

Andre Feen

Randy Bentley

Steve King

Narrative (include time and location):

1110 Arrive @ FBQ 143. Closed by S. King
Begin sample FBQsd 143026BSD
1130. Taped sample and leave site

46
12-058-03

Daily Weather Conditions: A.M. Overcast Mid 40sRecorded By [Signature] P.M.QA Checked By [Signature]

HTRW DRILLING LOG

DISTRICT Louisville

HOLE NUMBER
FBQ 143

1. COMPANY NAME SpecPro, Inc.

2. DRILL SUBCONTRACTOR

SHEET 1 OF 1

3. PROJECT Fuze & Booster/RVAAP

4. LOCATION Fuze & Booster Quarry Landfill/Pond

5. NAME OF DRILLER Steve King

6. MANUFACTURERS DESIGNATION OF DRILL

7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT

SS Auger
SS Wash
SS Spoon

8. HOLE LOCATION FBQ 143

9. SURFACE ELEVATION

10. DATE STARTED 11/06/03

11. DATE COMPLETED 11/06/03

12. OVERBURDEN THICKNESS 1/2

15. DEPTH GROUNDWATER ENCOUNTERED 1/2

13. DEPTH DRILLED INTO ROCK n/a

16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: 1/2

14. TOTAL DEPTH OF HOLE 6'

17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY) 4"

18. GEOTECHNICAL SAMPLES

DISTURBED

UNDISTURBED

19. TOTAL NUMBER OF CORE BOXES

20. SAMPLES FOR CHEMICAL ANALYSIS

VOC

METALS

OTHER (SPECIFY)

OTHER (SPECIFY)

OTHER (SPECIFY)

21. TOTAL CORE RECOVERY %

22. COMPOSITION OF HOLE

BACKFILLED

MONITORING WELL

OTHER (SPECIFY)

23. SIGNATURE OF INSPECTOR

[Signature]

LOCATION SKETCH/COMMENTS

SCALE: n/a



ELEV (ft)	DEPTH (ft)	DESCRIPTION OF MATERIALS (ft)	HEADSPACE SCREENING RESULTS	GEO TECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO (ft)	REMARKS (ft)
	0	Dr. of fuel. Ben. s. H. sand, some clay is gravel fine to coarse. saturated	PH = 7.0		F0011430218	Organic Material, so 100 lbs, 9 masses, roots 5 and/or buckets
	1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					

AG 12-15-03

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Phase I/II Fuze & Booster Quarry Landfill/Pond

DELIVERY ORDER: 0012

Date (mm/dd/yy): 11/6/03 Su M Tu W Th F SaPAGE 1 OF 1

Task Team Members:

Andre LeonRandy BaileySteve King

Narrative (include time and location):

125p - Arrive @ FBW 159, cleared by ^{FBW/159/028}
S. King, Begin sample & duplicate ^{MS/MSD}
1320 - Taped jars & placed site

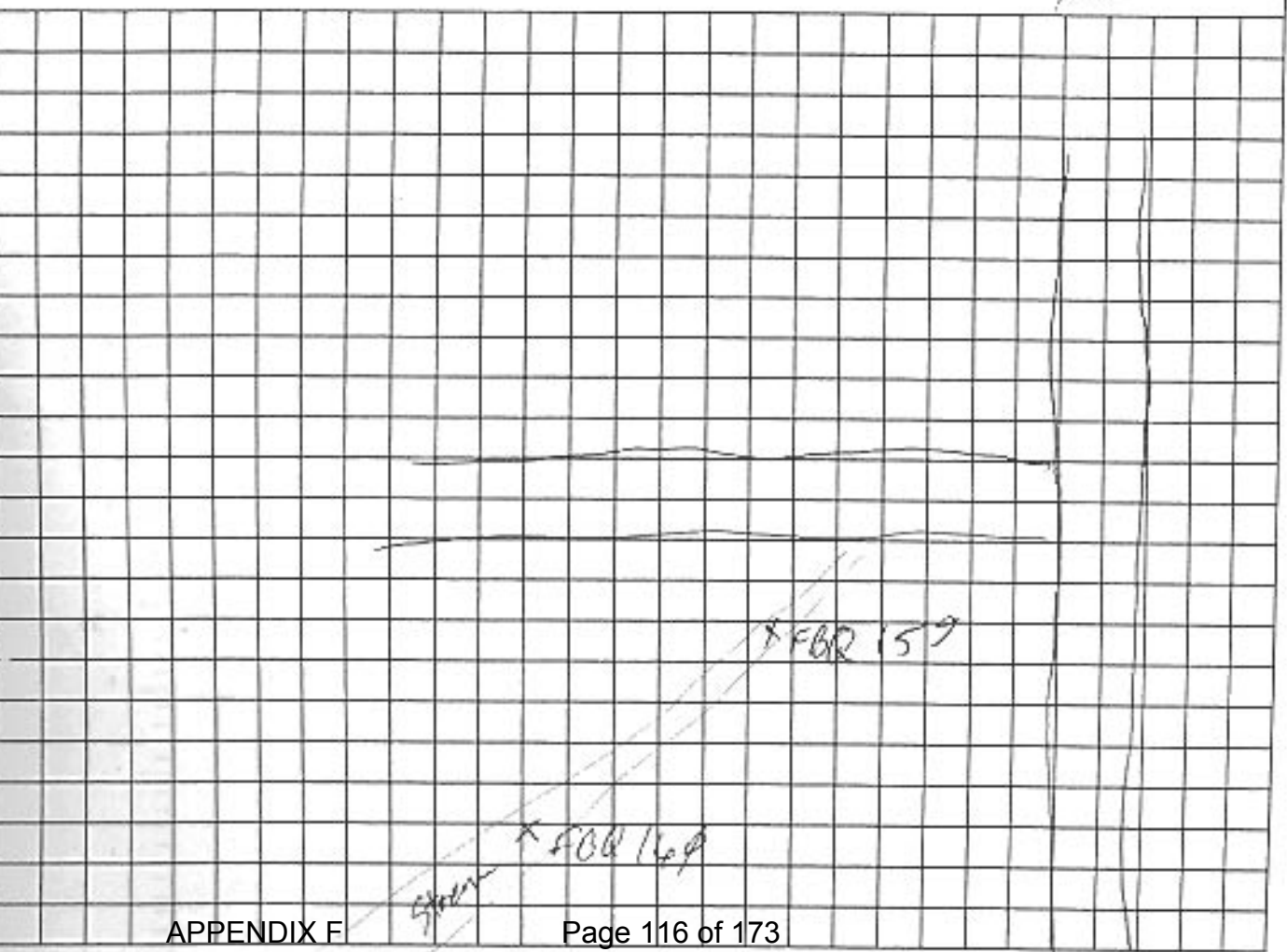
AG
12-18-03

Daily Weather Conditions: A.M. _____

P.M. overcast mid 40s LT sprinkleRecorded By [Signature]QA Checked By Ang Heenawald

HTRW DRILLING LOG		DISTRICT: Louisville		HOLE NUMBER FBQ 159	
1. COMPANY NAME SpecPro, Inc.		2. DRILL SUBCONTRACTOR		SHEET 1 of 1	
3. PROJECT Fuze & Booster/RVAAP			4. LOCATION Fuze & Booster Quarry Landfill/Pond		
5. NAME OF DRILLER Steve King			6. MANUFACTURERS DESIGNATION OF DRILL		
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT 55 Bond 55 Auger 55 Spore		8. HOLE LOCATION FBQ 159		9. SURFACE ELEVATION n/c	
12. OVERBURDEN THICKNESS n/c		10. DATE STARTED 11/6/03		11. DATE COMPLETED 11/6/03	
13. DEPTH DRILLED INTO ROCK n/c		15. DEPTH GROUNDWATER ENCOUNTERED n/c		16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED. n/c	
14. TOTAL DEPTH OF HOLE 6"		17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY) 2"			
18. GEOTECHNICAL SAMPLES		DISTURBED		UNDISTURBED	
19. TOTAL NUMBER OF CORE BOXES		20. SAMPLES FOR CHEMICAL ANALYSIS		21. TOTAL CORE RECOVERY	
See activity log		VOC		METALS	
22. DISPOSITION OF HOLE		OTHER (SPECIFY)		OTHER (SPECIFY)	
BACKFILLED		MONITORING WELL		OTHER (SPECIFY)	
23. SIGNATURE OF INSPECTOR [Signature]					

LOCATION SKETCH/COMMENTS SCALE: **n/c**



HTRW DRILLING LOG

PROJECT: Fure & Bunker RVAAP

INSPECTOR

HOLE NUMBER: F13A/13/14
SHEET 1 OF 1

ELEV (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEO TECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO (F)	REMARKS (G)
	6"	Med brown sandy clay, soft Wet, trace silt, trace Gravel, fine-med.	710-0.9		PERD-012840	Organic material leaves, stems, roots 5 auger buckets
1						
2						
3						
4						
5						
6						
7						
8						
9						

AG
12-08-03

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Phase I/II Fuze & Booster Quarry Landfill/Pond

DELIVERY ORDER: 0012

Date (mm/dd/yy): 11/06/03 Su M Tu W Th F Sa

PAGE 1 OF 1

Task Team Members:

Randy Bailey
Arlene Leon
Steve King

Narrative (include time and location):

1325 - Arrive @ FBQ 160. Cleared
by S. King. Begin sample FBQ sd/160 #28530
1345 - Tazod jobs, leave site (take MSD) ^{incorrect 12-04} MSD sample

(Large section of the log sheet is crossed out with a diagonal line)

AG
12-08-03

Daily Weather Conditions: A.M. _____

YJB P.M. Overcast mid 40s

Recorded By YJB QA Checked By Amy Greenwald

PROJECT: Fuzz & Buster RVAAP		INSPECTOR: <i>AG</i>		SHEET	OF	
ELEV (ft)	DEPTH (ft)	DESCRIPTION OF MATERIALS (ft)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO (ft)	REMARKS (ft)
	0	grayish brown sandy silt fine to med, trace clay, loose, surface top	PID: g.d		10000110002850	organic material leaves stems, roots grass 4 angor buckets
	1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					

AG
12-08-03

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Phase III Fuze & Booster Quarry Landfill/Pond

DELIVERY ORDER: 0012

Date (mm/dd/yy): 11/06/03 Su M Tu W (Th) F Sa

PAGE 1 OF 1

Task Team Members:

Hodge Lear

Kanda Briley

Steve Kump

Narrative (include time and location):

1415 - Arrived @ FBO 165. Cleared by
Sling. Rej. Sample FBO sd 165 02/90SD

1429 - Taped jars & leave site

AG
12-08-03

Daily Weather Conditions: A.M. _____

P.M. Overcast, low 40s

Recorded By

QA Checked By

HTRW DRILLING LOG		DISTRICT Louisville		HOLE NUMBER FBR 165	
1. COMPANY NAME SpecPro, Inc.		2. DRILL SUBCONTRACTOR		SHEET 1 of 1	
3. PROJECT: Fuze & Booster/RVAAP			4. LOCATION: Fuze & Booster Quarry Landfill/Pond		
5. NAME OF DRILLER Steve King			6. MANUFACTURERS DESIGNATION OF DRILL		
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT 55 Spoon 55 Auger 55 Pump		8. HOLE LOCATION FBR 165		9. SURFACE ELEVATION	
12. OVERBURDEN THICKNESS 1/2		10. DATE STARTED 11/06/03		11. DATE COMPLETED 11/06/03	
13. DEPTH DRILLED INTO ROCK 1/2		15. DEPTH GROUNDWATER ENCOUNTERED n/a		16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED 1/2	
14. TOTAL DEPTH OF HOLE 6"		17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY) 3"			
18. GEOTECHNICAL SAMPLES		DISTURBED		UNDISTURBED	
19. TOTAL NUMBER OF CORE BOXES		VOC		METALS	
20. SAMPLES FOR CHEMICAL ANALYSIS see act. log		OTHER (SPECIFY)		OTHER (SPECIFY)	
21. TOTAL CORE RECOVERY		BACKFILLED		MONITORING WELL	
22. DISPOSITION OF HOLE D		OTHER (SPECIFY)		OTHER (SPECIFY)	
23. SIGNATURE OF INSPECTOR					

LOCATION SKETCH/COMMENTS

See pg 135

SCALE:

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR COR. BOX	ANALYTICAL SAMPLE NO. (E)	REMARKS (D)
	0	Brownish gray clay, some silt. Trace sand, spherulites, <i>P.O. #4</i>			<i>Field 1450285</i>	Organic matter: roots, stems, grass, leaves
	1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					
	32					
	33					
	34					
	35					
	36					
	37					
	38					
	39					
	40					
	41					
	42					
	43					
	44					
	45					
	46					
	47					
	48					
	49					
	50					
	51					
	52					
	53					
	54					
	55					
	56					
	57					
	58					
	59					
	60					
	61					
	62					
	63					
	64					
	65					
	66					
	67					
	68					
	69					
	70					
	71					
	72					
	73					
	74					
	75					
	76					
	77					
	78					
	79					
	80					
	81					
	82					
	83					
	84					
	85					
	86					
	87					
	88					
	89					
	90					
	91					
	92					
	93					
	94					
	95					
	96					
	97					
	98					
	99					
	100					

AG 12-18-13

TASK TEAM ACTIVITY LOG SHEET

149

PROJECT NAME: Phase I/II Fuze & Booster Quarry Landfill/Pond

DELIVERY ORDER: 0012

Date (mm/dd/yy): 11/06/03 Su M Tu W Th F Sa

PAGE 1 OF 1

Task Team Members:

Andre Leon

Randi Bailey

Steve King

Narrative (include time and location):

1440 Arrive @ FBR 164. (Kared by
Steve K. Begin Sample FBRsd/164/p289 SD

1500p Taped jrs. Leave site

AG
12-08-03

Daily Weather Conditions: A.M. _____

P.M. Overcast, mid 40s

Recorded By [Signature]

QA Checked By [Signature]

HTRW DRILLING LOG

DISTRICT: Louisville

HOLE NUMBER
FBR 164

1 COMPANY NAME: SpecPro, Inc.

2 DRILL SUBCONTRACTOR

SHEET 1 OF 1

3 PROJECT: Fuze & Booster/RVAAP

4 LOCATION: Fuze & Booster Quarry Landfill/Pond

5 NAME OF DRILLER: Steve King

6 MANUFACTURER'S DESIGNATION OF DRILL

7 SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT

55 Auger
55 Spade
55 Power

8 HOLE LOCATION: FBR 164

9 SURFACE ELEVATION

10 DATE STARTED: 11/6/03

11 DATE COMPLETED: 11/6/03

12 OVERBURDEN THICKNESS

15 DEPTH GROUNDWATER ENCOUNTERED

13 DEPTH DRILLED INTO ROCK

16 DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED

14 TOTAL DEPTH OF HOLE: 6"

17 OTHER WATER LEVEL MEASUREMENTS (SPECIFY): 4"

18 GEOTECHNICAL SAMPLES

DISTURBED

UNDISTURBED

19 TOTAL NUMBER OF CORE BOXES

20 SAMPLES FOR CHEMICAL ANALYSIS

VOC

METALS

OTHER (SPECIFY)

OTHER (SPECIFY)

OTHER (SPECIFY)

21 TOTAL CORE RECOVERY %

22 DISPOSITION OF HOLE

BACKFILLED

MONITORING WELL

OTHER (SPECIFY)

23 SIGNATURE OF INSPECTOR

LOCATION SKETCH/COMMENTS

See pg 135

SCALE:

HTRW DRILLING LOG

PROJECT: Fuzz & Buster RVAAP

INSPECTOR: *[Signature]*

WELL NUMBER: *FBO16A*

SHEET: *1* OF *1*

ELEV (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOCHEM SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO (D)	REMARKS (E)
	0	<i>olive brn silt, some sand, fine to med gravel</i> <i>Saturated</i>			<i>FBO16A/01</i>	<i>Organic material leaves roots stems grasses</i>
	1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					

RG
12-08-05

TASK TEAM ACTIVITY LOG SHEET

153

PROJECT NAME: Phase I/II Fuze & Booster Quarry Landfill/Pond

DELIVERY ORDER: 0012

Date (mm/dd/yy): 11/26/03 Su M Tu W Th F Sa

PAGE 1 OF 1

Task Team Members:

Randy Bailey
Andre Lee
Steve King

Narrative (include time and location):

1510: Arrive @ FBO 142. Observed by
Shing Begin Sample FBO sd 142p2675D

1522 - Taped jars & leave site

AG
12-08-03

Daily Weather Conditions: A.M. _____

P.M. Overcast wind 40's

Recorded By [Signature]

QA Checked By Amy Greenward

HTRW DRILLING LOG

DISTRICT: Louisville

HOLE NUMBER

FBQ 142

1. COMPANY NAME SpecPro, Inc.

2. DRILL SUBCONTRACTOR

PAGE: 1 of 1

3. PROJECT Fuze & Booster/RVAAP

4. LOCATION Fuze & Booster Quarry Landfill/Pond

5. NAME OF DRILLER

Steve King

6. MANUFACTURERS DESIGNATION OF DRILL

7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT

SS Spoon
SS Auger
SS Borebit

8. HOLE LOCATION

FBQ 142

9. SURFACE ELEVATION

10. DATE STARTED 11/6/03

11. DATE COMPLETED 11/6/03

12. OVERBURDEN THICKNESS

n/c

15. DEPTH GROUNDWATER ENCOUNTERED

n/c

13. DEPTH DRILLED INTO ROCK

n/c

16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED n/c

14. TOTAL DEPTH OF HOLE

6"

17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY):

2"

18. GEOTECHNICAL SAMPLES

DISTURBED

UNDISTURBED

19. TOTAL NUMBER OF CORE BOXES

20. SAMPLES FOR CHEMICAL ANALYSIS

VOC

METALS

OTHER (SPECIFY)

OTHER (SPECIFY)

OTHER (SPECIFY)

21. TOTAL CORE RECOVERY %

22. DEPOSITION OF HOLE

BACKFILLED

MONITORING WELL

OTHER (SPECIFY)

23. SIGNATURE OF WORKER OR

SAB

LOCATION SKETCH/COMMENTS

See Pg 135

SCALE:

HTRW DRILLING LOG

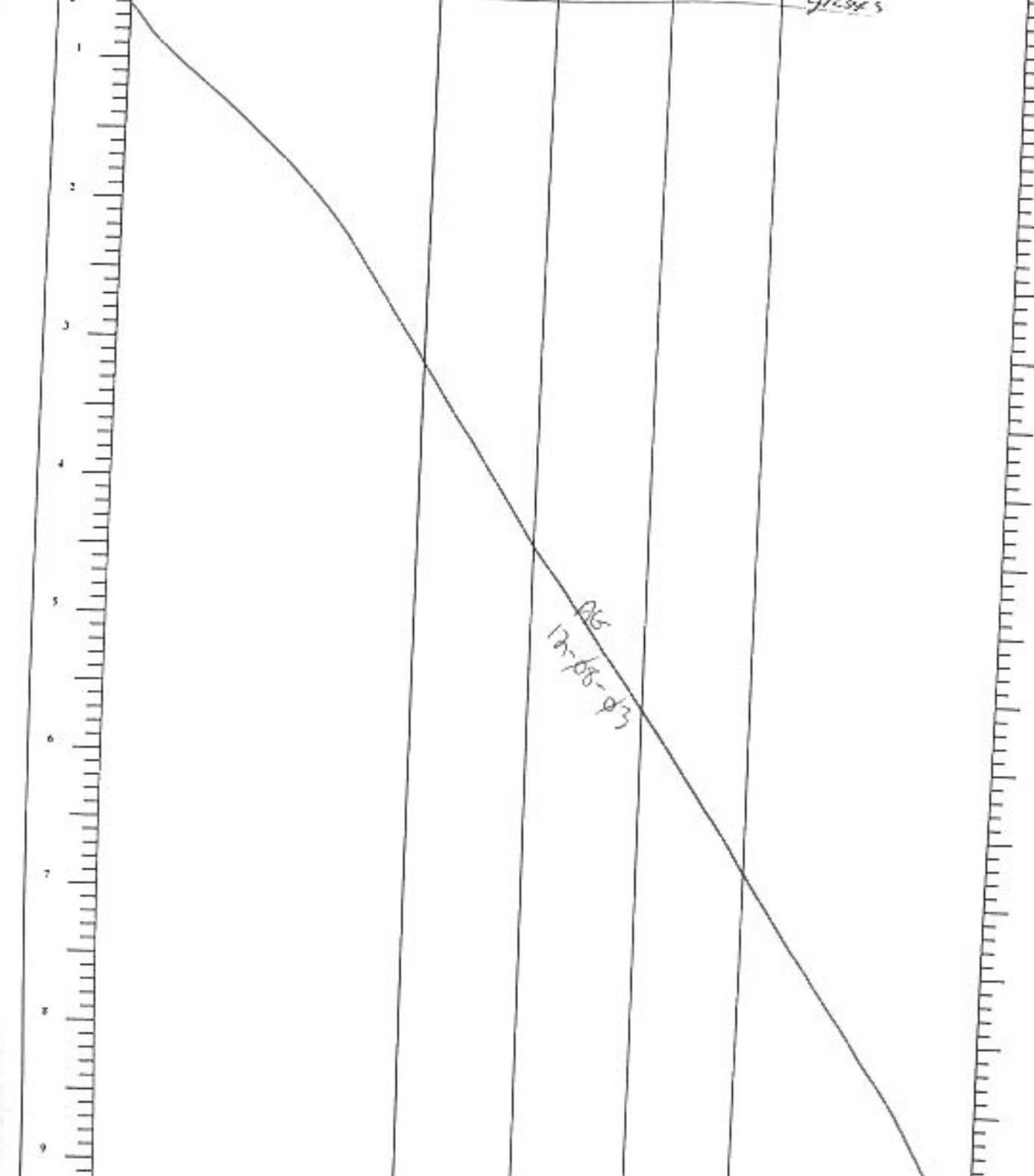
PROJECT: Face & Booster RVAAP

INSPECTOR: *[Signature]*

HOLE NUMBER: *PHO 142*

SHEET: _____ OF _____

ELEV (ft)	DEPTH (ft)	DESCRIPTION OF MATERIALS (ft)	HEADPACT SCREENING RESULTS	GEO TECH SAMPLE OR CORE ID#	ANALYTICAL SAMPLE NO (ft)	REMARKS (ft)
	0	<i>DK olive Brown Clay silt. Trace sand & gravel Fine to Pebble.</i>	<i>PIT of 1/4"</i>		<i>66020 11/24/79</i>	<i>Organic matter of stems leaves roots grasses</i>



ALS 17-68-93

TASK TEAM ACTIVITY LOG SHEET

157

PROJECT NAME: Phase I/II Fuze & Booster Quarry Landfill/Pond

DELIVERY ORDER: 0012

Date (mm/dd/yy): 11/6/03 Su M Tu W Th F Sa

PAGE 1 OF 1

Task Team Members:

Randy Baskin
Andy Leach
Steve King

Narrative (include time and location):

1600 - Arrive @ FBO 162. Cleared by
Steve K. Begin SD sample FBO 162 028750
1614 - Taped jars. Leave site

AG
12-08-03

Daily Weather Conditions: A.M. _____

P.M. Overcast mid 40s

Recorded By RSB

QA Checked By Angie Stenmark

HTRW DRILLING LOG

DISTRICT Louisville

HOLE NUMBER
FBQ162

1. COMPANY NAME SpecPro, Inc.

2. DRILL SUBCONTRACTOR

SHEET 1 of 1

3. PROJECT Fuze & Booster/RVAAP

4. LOCATION Fuze & Booster Quarry Landfill/Pond

5. NAME OF DRILLER Steve King

6. MANUFACTURERS DESIGNATION OF DRILL

7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT

55 Hydr
55 Bond
55 2/100

8. HOLE LOCATION FBQ162

9. SURFACE ELEVATION

10. DATE STARTED 11/6/03

11. DATE COMPLETED 11/6/03

12. OVERBURDEN THICKNESS n/a

15. DEPTH GROUNDWATER ENCOUNTERED n/a

13. DEPTH DRILLED INTO ROCK n/a

16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED n/a

14. TOTAL DEPTH OF HOLE 6'

17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY) 1'

18. GEOTECHNICAL SAMPLES

DISTURBED:

UNDISTURBED

19. TOTAL NUMBER OF CORE BOXES

20. SAMPLES FOR CHEMICAL ANALYSIS

see act 109

VOC

METALS

OTHER (SPECIFY)

OTHER (SPECIFY)

OTHER (SPECIFY)

21. TOTAL CORE RECOVERY

22. DISPOSITION OF HOLE

BACKFILLED

MONITORING WELL

OTHER (SPECIFY)

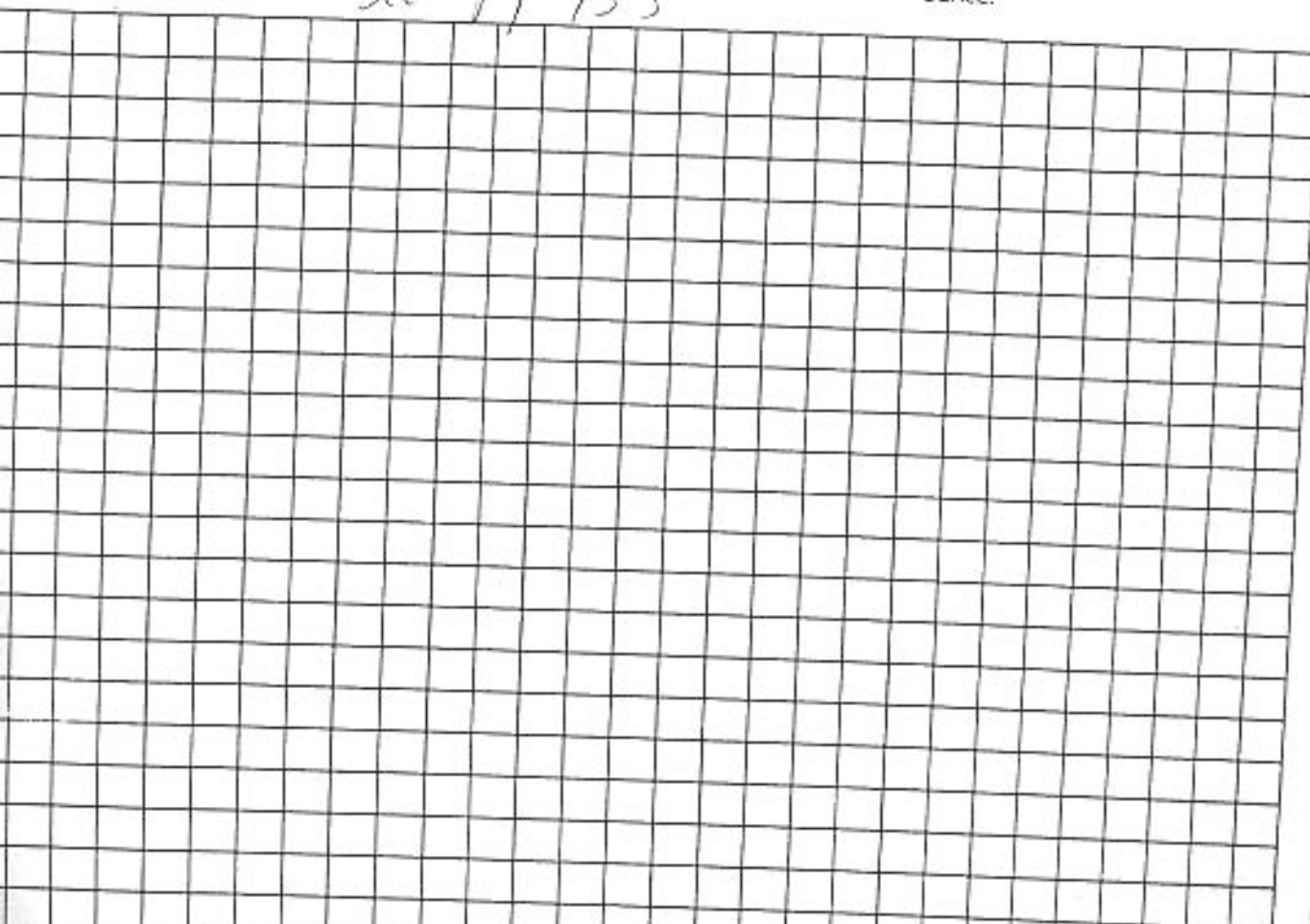
23. SIGNATURE OF INSPECTOR

[Signature]

LOCATION SKETCH/COMMENTS

see pg 135

SCALE:



ELEV (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORRECTION	ANALYTICAL SAMPLE NO (F)	REMARKS (G)
		<i>Diaphragm wall sand fill. Fine-med fine gravel. Fine-Med Sandstone-lace</i>	<i>MD 4.6</i>		<i>Fuza 162, 168, 170</i>	<i>Organic material (leaves, stems, grass)</i>
	1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					

*AG
1a-pb-pc*

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Phase I/II Fuze & Booster Quarry Landfill/Pond

DELIVERY ORDER: 0012

Date (mm/dd/yyyy): 11/06/03 Su M Tu W Th F Sa

PAGE 1 OF 1

Task Team Members:

Andy Coon
Ronda Bailey
Steve King

Narrative (include time and location):

1615 - Arrive @ FBO 163 cleared by
S. King. Begin sample FBO sd 163/0288 SD
1634 - Tap jars and leave site

Description: Olive brown sandy silt FWD: p.p
fine to coarse pebbles.
Saturated
Organic matter: roots stems grasses

AG
12-08-03

Daily Weather Conditions: A.M. _____

P.M. Overcast low 40's

Recorded By AG

QA Checked By Andy Averawit

HTRW DRILLING LOG		DISTRICT Louisville		HOLE NUMBER FBQ 163	
1. COMPANY NAME: SpecPro, Inc.		2. DRILL SUBCONTRACTOR		SHEET 1 of 1	
3. PROJECT Fuze & Booster/RVAAP			4. LOCATION: Fuze & Booster Quarry Landfill/Pond		
5. NAME OF DRILLER: Steve King			6. MANUFACTURERS DESIGNATION OF DRILL		
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT		8. HOLE LOCATION: FBQ 163			
50 spinner 55 power 56 3/2" auger		9. SURFACE ELEVATION: n/c			
12. OVERBURDEN THICKNESS: n/c		10. DATE STARTED: 11/6/03		11. DATE COMPLETED: 11/6/03	
13. DEPTH DRILLED INTO ROCK: n/c		15. DEPTH GROUNDWATER ENCOUNTERED: n/c		16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: n/c	
14. TOTAL DEPTH OF HOLE: 6"		17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): 6"			
18. GEOTECHNICAL SAMPLES		DISTURBED		UNDISTURBED	
20. SAMPLES FOR CHEMICAL ANALYSIS: see act log		VOC		METALS	
22. DISPOSITION OF HOLE		MONITORING WELL		OTHER (SPECIFY)	
		RACKLLED		OTHER (SPECIFY)	
19. TOTAL NUMBER OF CORE BOXES				21. TOTAL CORE RECOVERY %	
23. SIGNATURE OF INSPECTOR: [Signature]					
LOCATION SKETCH/COMMENTS: See Pg 135					
SCALE:					

TASK TEAM ACTIVITY LOG SHEET

169

PROJECT NAME: Phase I/II Fuze & Booster Quarry Landfill/Pond

DELIVERY ORDER: 0012

Date (mm/dd/yy): 11/26/03 Su M Tu W Th F Sa

PAGE 1 OF 1

Task Team Members:

Andre Leary

Rade Bulf

Steve King

Narrative (include time and location):

1450 - Arrive @ FBR 161. Chosen by
S. King Begin sample FBR 50 161 2685D

1715 - Taped jars @ raw site

Description: Brownish grey sandy clay, mottled orange. Some gravel - fine pebbles

Organic Material - roots stems grasses, leaves

Daily Weather Conditions: A.M. _____

P.M. _____

Recorded By

[Signature]

QA Checked By

[Signature]

HTRW DRILLING LOG

DISTRICT: Louisville

HOLE NUMBER

FBQ 161

1. COMPANY NAME: SpecPro, Inc.

2. DRILL SUBCONTRACTOR:

SHEET 1 of 1

3. PROJECT: Fuze & Booster/RVAAP

4. LOCATION: Fuze & Booster Quarry Landfill/Pond

5. NAME OF DRILLER: Steve King

5. MANUFACTURERS DESIGNATION OF DRILL:

7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT

5/8" Spoon
5/8" Sampler
5/8" bit

8. HOLE LOCATION: FBQ 161

9. SURFACE ELEVATION:

10. DATE STARTED: 11/6/03

11. DATE COMPLETED: 11/6/03

12. OVERBURDEN THICKNESS

15. DEPTH GROUNDWATER ENCOUNTERED

13. DEPTH DRILLED INTO ROCK

16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED

14. TOTAL DEPTH OF HOLE: 6"

17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): 3"

18. GEOTECHNICAL SAMPLES

DISTURBED

UNDISTURBED

19. TOTAL NUMBER OF CORE BOXES

20. SAMPLES FOR CHEMICAL ANALYSIS

VOC

METALS

OTHER (SPECIFY)

OTHER (SPECIFY)

OTHER (SPECIFY)

21. TOTAL CORE RECOVERY %

22. DISPOSITION OF HOLE

SACKFILLED

MONITORING WELL

OTHER (SPECIFY)

23. SIGNATURE OF INSPECTOR

LOCATION SKETCH/COMMENTS

See Pg 83

SCALE:

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Phase III Fuze & Booster Quarry Landfill/Pond

DELIVERY ORDER: 0012

Date (mm/dd/yy): ~~06/28/04~~ ^{07/01/04} ~~Su~~ ^{APP} ~~Mo~~ ^{APP} ~~Tu~~ ^{APP} ~~W~~ ^{APP} Th F Sa
 Task Team Members:

PAGE 1 OF 1

Chantelle Carroll

Al Brillinger

Narrative (include time and location):

12:16 Arrive at FBQ 184 to collect sediment sample
for perchlorate analysis

- collected ~ 85 samples from 0-6" depth using
stainless steel probe, composited in stainless steel bowl
sample no: FBQsd-184-0415^{APP} 3d

sediment description: Dark brown and black organic
CLAY and SILT, with roots, leaves, grasses, stems.

- composited sample placed in jar, set in cooler w/ wet ice

12:45 leave FBQ184

14:35 prepped for shipment

Daily Weather Conditions: A.M. _____

P.M. sunny 75°

Recorded By Al Brillinger QA Checked By _____

HTRW DRILLING LOG

DISTRICT: Louisville

HOLE NUMBER
FBQ 184

1. COMPANY NAME: **SpecPro, Inc.**

2. DRILL SUBCONTRACTOR

SHEET 1 of 1

3. PROJECT: **Fuze & Booster/RVAAP**

4. LOCATION: **Fuze & Booster Quarry Landfill/Pond**

5. NAME OF DRILLER: **Chantel/Carroll & Al Brillinger**

6. MANUFACTURERS DESIGNATION OF DRILL:

7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT

8. HOLE LOCATION: **FBQ 184**

**SS probe
SS spoon
SS bowl**

9. SURFACE ELEVATION

10. DATE STARTED: **07/01/04**

11. DATE COMPLETED: **07/01/04**

12. OVERBURDEN THICKNESS

15. DEPTH GROUNDWATER ENCOUNTERED:

13. DEPTH DRILLED INTO ROCK

16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED

14. TOTAL DEPTH OF HOLE

6"

17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)
3"

18. GEOTECHNICAL SAMPLES

DISTURBED

UNDISTURBED

19. TOTAL NUMBER OF CORE BOXES

20. SAMPLES FOR CHEMICAL ANALYSIS

VOC

METALS

OTHER (SPECIFY)

OTHER (SPECIFY)

OTHER (SPECIFY)

21. TOTAL CORE RECOVERY %

see activity log

22. DEPOSITION OF HOLE

BACKFILLED

MONITORING WELL

OTHER (SPECIFY)

23. SIGNATURE OF INSPECTOR

Al Brillinger

LOCATION SKETCH/COMMENTS

SCALE: **N.T.S**

n.t.s.

184

185

186

187

188

189

190

191

192

Stream

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Phase I/II Fuze & Booster Quarry Landfill/Pond

DELIVERY ORDER: 0012

Date (mm/dd/yy): 07/01/04 Su M Tu Th F Sa PAGE 1 OF 1

Task Team Members:

Chantelle Carroll

Al Brillinger

Narrative (include time and location):

11:16 Arrive at FBQ185 to collect sediment sample for
perchlorate analysis.

- collected ~ 24 samples from 0-6" depth using
stainless steel probe composited in stainless steel bowl

- sample #'s: ^{FBQad 185}~~FBQ185~~-0416-sd (regular sample)
^{406 T-106}FBQms-185-0417-sd (MS/MDS)

sediment description: Dark brown and black organic
CLAY and SILT, with roots, leaves, grasses, organic odor.

- placed composited samples in jars and set jars in cooler
w/ wet ice.

11:36 finish sampling

14:30 prepped samples for shipping

Daily Weather Conditions: A.M. Sunny - partly sunny 75°-80°F

P.M. _____

Recorded By Al Brillinger QA Checked By _____

HTRW DRILLING LOG

DISTRICT Louisville

HOLE NUMBER
FB0185

1. COMPANY NAME: SpecPro, Inc.

2. DRILL SUBCONTRACTOR:

SHEET 1 of 1

3. PROJECT: Fuze & Booster/RVAAP

4. LOCATION: Fuze & Booster Quarry Landfill/Pond

5. NAME OF DRILLER: Chantelle Carroll & Al Brillinger

6. MANUFACTURERS DESIGNATION OF DRILL

7. SIZES AND TYPES OF DRILLING
AND SAMPLING EQUIPMENT35 probe
35 bowl
35 spoon

8. HOLE LOCATION: FB0185

9. SURFACE ELEVATION:

10. DATE STARTED: 07-01-04 11. DATE COMPLETED: 07-01-04

12. OVERBURDEN THICKNESS

15. DEPTH GROUNDWATER ENCOUNTERED:

13. DEPTH DRILLED INTO ROCK

16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED:

14. TOTAL DEPTH OF HOLE

6"

17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY):

3"

18. GEOTECHNICAL SAMPLES

DISTURBED

UNDISTURBED

19. TOTAL NUMBER OF CORE BOXES

20. SAMPLES FOR CHEMICAL ANALYSIS

VOC

METALS

OTHER (SPECIFY):

OTHER (SPECIFY):

OTHER (SPECIFY):

21. TOTAL CORE
RECOVERY %

22. DISPOSITION OF HOLE

BACKFILLED

MONITORING WELL

OTHER (SPECIFY):

23. SIGNATURE OF INSPECTOR

Al Brillinger

LOCATION SKETCH/COMMENTS

See page 175

SCALE:

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Phase I/II Fuze & Booster Quarry Landfill/Pond

DELIVERY ORDER: 0012

Date (mm/dd/yy): 07-01-04 Su M Tu (W) Th F Sa PAGE 1 OF 1

Task Team Members:

Chantelle Carroll

Al Brillinger

Narrative (include time and location):

10:45 Arrive at FBQ 186 to collect sediment samples for
perchlorate analysis.

- collected about 12 sediment samples 0-6" depth
and placed in unused Ziploc bag.

10:53 finished sampling - placed bag in cooler
sediment description: Very soft dark brown and black
organic CLAY and SILT, with roots, leaves, grasses,
organic odor

14:10 prepped sample by mixing in bag, placing in sample
jar, setting sample jar in cooler w/ wet ice.
sample number = FBQsd-186-0418-sd

Daily Weather Conditions: A.M. partly sunny 75°

P.M. _____

Recorded By Al Brillinger QA Checked By _____

HTRW DRILLING LOG		DISTRICT: Louisville		HOLE NUMBER FBQ 186	
1. COMPANY NAME: SpecPro, Inc.		2. DRILL SUBCONTRACTOR:		SHEET 1 OF 1	
3. PROJECT: Fuze & Booster/RVAAP			4. LOCATION: Fuze & Booster Quarry Landfill/Pond		
5. NAME OF DRILLER: Chantelle Carroll + Al Brillinger			6. MANUFACTURERS DESIGNATION OF DRILL:		
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT		8. HOLE LOCATION: FBQ 185			
36 probe		9. SURFACE ELEVATION:			
		10. DATE STARTED: 07/01/04		11. DATE COMPLETED: 07/01/04	
12. OVERBURDEN THICKNESS		15. DEPTH GROUNDWATER ENCOUNTERED			
13. DEPTH DRILLED INTO ROCK		16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED			
14. TOTAL DEPTH OF HOLE 6"		17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY):			
18. GEOTECHNICAL SAMPLES		DISTURBED		UNDISTURBED	
19. TOTAL NUMBER OF CORE BOXES					
20. SAMPLES FOR CHEMICAL ANALYSIS		VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)
					21. TOTAL CORE RECOVERY: %
22. DISPOSITION OF HOLE		BACKFILLED	MONITORING WELL	23. SIGNATURE OF INSPECTOR	
				<i>Al Brillinger</i>	

LOCATION SKETCH/COMMENTS <p style="text-align: center;">see page 175</p>	SCALE:

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Phase III Fuze & Booster Quarry Landfill/Pond

DELIVERY ORDER: 0012

Date (mm/dd/yy): 07/01/04 Su M Tu W Th F SaPAGE 1 OF 1

Task Team Members:

Chantelle CarrollAl Brillinger

Narrative (include time and location):

10:37 Begin sampling @ FBQ 187 to collect sediment samples
for perchlorate analysis. Water depth 2 3"
collected 12 sediment samples from 0-6" depth;
placed in unused Ziploc bag.

10:42 finished sampling - placed bag in cooler
sediment description: Very soft dark brown
and black organic CLAY and SILT, with leaves,
roots, etc, organic odor

11:20 prepped sample by mixing in bag, placing sample
in jar, setting jar in cooler with wet ice
sample #: FBQSD-187-0419-SD

Daily Weather Conditions: A.M. partly sunny 75°

P.M. _____

Recorded By Al Brillinger QA Checked By _____

HTRW DRILLING LOG

DISTRICT: Louisville

HOLE NUMBER
FBQ 187

1. COMPANY NAME: SpecPro, Inc.

2. DRILL SUBCONTRACTOR

SHEET 1 of 1

3. PROJECT: Fuze & Booster/RVAAP

4. LOCATION: Fuze & Booster Quarry Landfill/Pond

5. NAME OF DRILLER: Chantelle Carroll & Al Brillinger
as probe

5. MANUFACTURERS DESIGNATION OF DRILL:

7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT

8. HOLE LOCATION: FBQ 187

9. SURFACE ELEVATION:

10. DATE STARTED 07/01/04 11. DATE COMPLETED 07/01/04

12. OVERBURDEN THICKNESS

15. DEPTH GROUNDWATER ENCOUNTERED

13. DEPTH DRILLED INTO ROCK

16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED:

14. TOTAL DEPTH OF HOLE 6"

17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY) 3"

18. GEOTECHNICAL SAMPLES

DISTURBED

UNDISTURBED

19. TOTAL NUMBER OF CORE BOXES

20. SAMPLES FOR CHEMICAL ANALYSIS

VOC

METALS

OTHER (SPECIFY)

OTHER (SPECIFY)

OTHER (SPECIFY)

21. TOTAL CORE RECOVERY %

22. DISPOSITION OF HOLE

BACKFILLED

MONITORING WELL

OTHER (SPECIFY)

23. SIGNATURE OF INSPECTOR

Al Brillinger

LOCATION SKETCH/COMMENTS

See page 175

SCALE:

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Phase I/II Fuze & Booster Quarry Landfill/Pond

DELIVERY ORDER: 0012

Date (mm/dd/yy): 07-01-04 Su M Tu (W) Th F SaPAGE 1 OF 1

Task Team Members:

Chantelle CarrollAl Brillinger

Narrative (include time and location):

10:20 Begin sampling @ FBQ 188 to collect sediment
samples for perchlorate analysis.

- collected 12 samples at various locations from
0-6" depth and placed in unused Ziploc bag.

10:26 finished sampling - placed bag in cooler
sediment description: Very soft dark brown and black
organic CLAY and SILT, with leaves, roots, etc, organic
odor

13:50 prepped sample by mixing in bag, withdrawing
sample, placing sample in jar, sealing jar, placing
in iced cooler

Sample #'s: FBQsd-188-0420-sd

FBQsd-188-0421-sd (duplicate)

Daily Weather Conditions: A.M. 75°, Sunny

P.M. _____

Recorded By

Al Brillinger

QA Checked By _____

TASK TEAM ACTIVITY LOG SHEET

193

PROJECT NAME: Phase I/II Fuze & Booster Quarry Landfill/Pond

DELIVERY ORDER: 0012

Date (mm/dd/yy): 07/01/04 Su M Tu W Th F Sa

PAGE 1 OF 1

Task Team Members:

Chantelle CarrollAl Brillinger

Narrative (include time and location):

10:45 Begin sampling at FBQ 189 to collect sediment samples for perchlorate analysis.

- collected 12 samples from 0.6" depth at various locations and placed in ziploc bag.

10:53 finished sampling - placed bags in cooler
sediment description: Very soft dark brown and black organic CLAY and SILT, with roots, leaves, etc, organic odor

14:15 prepped sample by mixing in bag, placing sample in jar, sealing jar, placing jar in iced cooler
Sample #: FBQsd-189-0422-sd

Daily Weather Conditions: A.M. 75°, sunny

P.M. _____

Recorded By

Al Brillinger

QA Checked By _____

HTRW DRILLING LOGDISTRICT: **Louisville**

HOLE NUMBER

FBQ 1891. COMPANY NAME: **SpecPro, Inc.**

2. DRILL SUBCONTRACTOR:

SHEET **1** OF **1**3. PROJECT: **Fuze & Booster/RVAAP**4. LOCATION: **Fuze & Booster Quarry Landfill/Pond**5. NAME OF DRILLER: **Chantelle Carroll + Al Brillinger**

6. MANUFACTURERS DESIGNATION OF DRILL:

7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT

SS probe

8. HOLE LOCATION:

FBQ 189

9. SURFACE ELEVATION

10. DATE STARTED:

07/01/04

11. DATE COMPLETED

07/01/04

12. OVERBURDEN THICKNESS

15. DEPTH GROUNDWATER ENCOUNTERED:

13. DEPTH DRILLED INTO ROCK

16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED:

14. TOTAL DEPTH OF HOLE

6"

17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)

3"

18. GEOTECHNICAL SAMPLES

DISTURBED

UNDISTURBED

19. TOTAL NUMBER OF CORE BOXES

20. SAMPLES FOR CHEMICAL ANALYSIS

VOC

METALS

OTHER (SPECIFY)

OTHER (SPECIFY)

OTHER (SPECIFY)

21. TOTAL CORE RECOVERY %

22. DISPOSITION OF HOLE

BACKFILLED

MONITORING WELL

OTHER (SPECIFY)

23. SIGNATURE OF INSPECTOR

Al Brillinger

LOCATION SKETCH/COMMENTS

see page 175

SCALE:

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Phase III Fuze & Booster Quarry Landfill/Pond

DELIVERY ORDER: 0012

Date (mm/dd/yy): 07/01/04 Su M Tu W Th F Sa

PAGE 1 OF 1

Task Team Members:

Chantelle Carroll

Al Brillinger

Narrative (include time and location):

10:38 Begin sampling FBQ 190 to collect sediment
samples for perchlorate analysis.

- collected 12 samples from 0-6" depth and placed
in ziploc bag

10:44 finished sampling - placed bag in cooler

sample description: Very soft dark brown and black organic
CLAY and SILT, with leaves, roots, etc., organic odor

13:56 Prepped samples by mixing in bag, placing sample
in jar, sealing jar, placing jar in iced cooler

sample #'s: FBQsd-190-0423-sd / ABB 7-1-04

FBQsd-190-0424-~~sd~~ / ABB 7-1-04
ABB 7-1-04

FBQsd-190-0423-sd

FBQsd-190-0423-sd (split)

Daily Weather Conditions: A.M. 75°, sunny

P.M. _____

Recorded By Al Brillinger

QA Checked By _____

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Phase I/II Fuze & Booster Quarry Landfill/Pond

DELIVERY ORDER: 0012

Date (mm/dd/yy): 07/01/04 Su M Tu (W) Th F Sa

PAGE 1 OF 1

Task Team Members:

Chantelle Carroll

Al Brillinger

Narrative (include time and location):

10:28 Begin sampling FBQ191 to collect sediment samples for perchlorate analysis.

- collected 12 samples from various locations in pond from 0-6" depth, placed sed. in ziploc bag.

10:35 finished sampling - placed bag in cooler

sample description: Very soft dark brown and black organic CLAY and SILT, with leaves, roots, etc, organic odor.

14:03 prepped samples by mixing in bag, placing sample in jar, sealing jar, placing jar in iced cooler

sample #: FBQ191 ^{200 7/1/04} FBQsd-191-0424-sd.

Daily Weather Conditions: A.M. 75° sunny

P.M. _____

Recorded By Al Brillinger

QA Checked By _____

HTRW DRILLING LOG

DISTRICT: Louisville

HOLE NUMBER
FBQ 191

1. COMPANY NAME: SpecPro, Inc.

2. DRILL SUBCONTRACTOR:

SHEET ___ OF ___

3. PROJECT: Fuze & Booster/RVAAP

4. LOCATION: Fuze & Booster Quarry Landfill/Pond

5. NAME OF DRILLER: **Chantelle Carroll ? Al Brillinger**

6. MANUFACTURERS DESIGNATION OF DRILL:

7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT

SS probe

8. HOLE LOCATION:

FBQ 191

9. SURFACE ELEVATION:

10. DATE STARTED **07/01/04**11. DATE COMPLETED: **07/01/04**

12. OVERBURDEN THICKNESS:

15. DEPTH GROUNDWATER ENCOUNTERED:

13. DEPTH DRILLED INTO ROCK:

16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED:

14. TOTAL DEPTH OF HOLE

6'

17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY):

3'

18. GEOTECHNICAL SAMPLES

DISTURBED

UNDISTURBED

19. TOTAL NUMBER OF CORE BOXES

20. SAMPLES FOR CHEMICAL ANALYSIS

VOC

METALS

OTHER (SPECIFY)

OTHER (SPECIFY)

OTHER (SPECIFY)

21. TOTAL CORE RECOVERY

22. DISPOSITION OF HOLE

BACKFILLED

MONITORING WELL

OTHER (SPECIFY)

23. SIGNATURE OF INSPECTOR

Al Brillinger

LOCATION SKETCH/COMMENTS

see page 175

SCALE:

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Phase I/II Fuze & Booster Quarry Landfill/Pond

DELIVERY ORDER: 0012

Date (mm/dd/yy): 07/01/04 Su M Tu W Th F SaPAGE 1 OF 1

Task Team Members:

Chantelle CarrollAl Brillinger

Narrative (include time and location):

11:16 Begin sampling FBQ192 to collect sediment samples for perchlorate analysis- collected 24 samples from 0-6" depth at various locations in pond. Placed samples in ziploc bag11:36 finished sampling - placed bag in cooler
sample description: Very soft dark brown to black organic CLAY and SILT, with leaves, roots, etc., organic odor13:45 prepped sample by mixing in bag, placing sample in jar, sealing jar, placing jar in iced cooler.
Sample #: FBQsd-192-0425-sd.Daily Weather Conditions: A.M. 80° Sunny

P.M. _____

Recorded By Al Brillinger QA Checked By _____

HTRW DRILLING LOG

DISTRICT: Louisville

HOLE NUMBER

FBQ 192

1. COMPANY NAME: SpecPro, Inc.

2. DRILL SUBCONTRACTOR:

SHEET ___ OF ___

3. PROJECT: Fuze & Booster/RVAAP

4. LOCATION: Fuze & Booster Quarry Landfill/Pond

5. NAME OF DRILLER: Chantelle Carroll: Al Brillinger

6. MANUFACTURERS DESIGNATION OF DRILL:

7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT

8. HOLE LOCATION: FBQ 192

9. SURFACE ELEVATION:

10. DATE STARTED: 07/01/04

11. DATE COMPLETED: 07/01/04

12. OVERBURDEN THICKNESS:

15. DEPTH GROUNDWATER ENCOUNTERED:

13. DEPTH DRILLED INTO ROCK:

16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED:

14. TOTAL DEPTH OF HOLE: 6'

17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): 3'

18. GEOTECHNICAL SAMPLES

DISTURBED

UNDISTURBED

19. TOTAL NUMBER OF CORE BOXES:

20. SAMPLES FOR CHEMICAL ANALYSIS

VOC

METALS

OTHER (SPECIFY)

OTHER (SPECIFY)

OTHER (SPECIFY)

21. TOTAL CORE RECOVERY %

22. DISPOSITION OF HOLE

BACKFILLED

MONITORING WELL

OTHER (SPECIFY)

23. SIGNATURE OF INSPECTOR

Al Brillinger

LOCATION SKETCH/COMMENTS

See page 175

SCALE:

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Phase I/II Fuze & Booster Quarry Landfill/Pond

DELIVERY ORDER: 0012

Date (mm/dd/yy): 09/29/03 Su (M) Tu W Th F Sa

PAGE 1 OF 1

Task Team Members:

Ronda Bailey

Frank Jackson

Mark Dearing

Chantelle Carroll

Eileen Mohr

Steve King

Narrative (include time and location):

1130 - Arrive on location. Store cleared location FBQ-178.

1145 - Start of ~~Sampling~~ ^{digging pit} for geotechnical analysis RLS

1155 - Sample taken ϕ -1" Background P.I.D. = 3.5 FBQtr178

1215 - P.I.D. - Low battery

1235 - Sample taken ϕ 1-3" P.I.D. Malfunction RLS
actual depth ~~@ 3.5~~ @ 3.5' FBQtr 178, 1355 RLS

1320 - wet sand @ 8'6" - see p 224.

1345 - ~~10'6"~~ hit 11'8" stopped excavation, standing water RLS
from 10'6" - 11'8".

1400 - Reclaim soil into pit

1445 - Break for lunch.

1500 - Start digging pit. RLS

Daily Weather Conditions: A.M. Overcast, 14 wind W, mid 50°FP.M. Overcast, mid 50°FRecorded By Ronda BaileyQA Checked By Angie Greenwald

HTRW DRILLING LOG

DISTRICT: Louisville

HOLE NUMBER
FBQ-178

1 COMPANY NAME: **SpecPro, Inc.**

2 DRILL SUBCONTRACTOR:

Frank Maintenance

SHEET **1** of **1**

3 PROJECT: **Fuze & Booster/RVAAP**

4 LOCATION: **Fuze & Booster Quarry Landfill/Pond**

5 NAME OF DRILLER

Frank Jackson

6 MANUFACTURERS DESIGNATION OF DRILL

n/a

7 SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT

Ford Backhoe

8 HOLE LOCATION:

FBQ-178

9 SURFACE ELEVATION

10 DATE STARTED:

092903

11 DATE COMPLETED

12 OVERBURDEN THICKNESS

15 DEPTH GROUNDWATER ENCOUNTERED

13 DEPTH DRILLED INTO ROCK

16 DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED:

14 TOTAL DEPTH OF HOLE

17 OTHER WATER LEVEL MEASUREMENTS (SPECIFY):

18 GEOTECHNICAL SAMPLES

DISTURBED

UNDISTURBED

19 TOTAL NUMBER OF CORE BOXES

20 SAMPLES FOR CHEMICAL ANALYSIS

VOC

METALS

OTHER (SPECIFY)

OTHER (SPECIFY)

OTHER (SPECIFY)

21 TOTAL CORE RECOVERY

22 DEPOSITION OF HOLE

BACKFILLED

MONITORING WELL

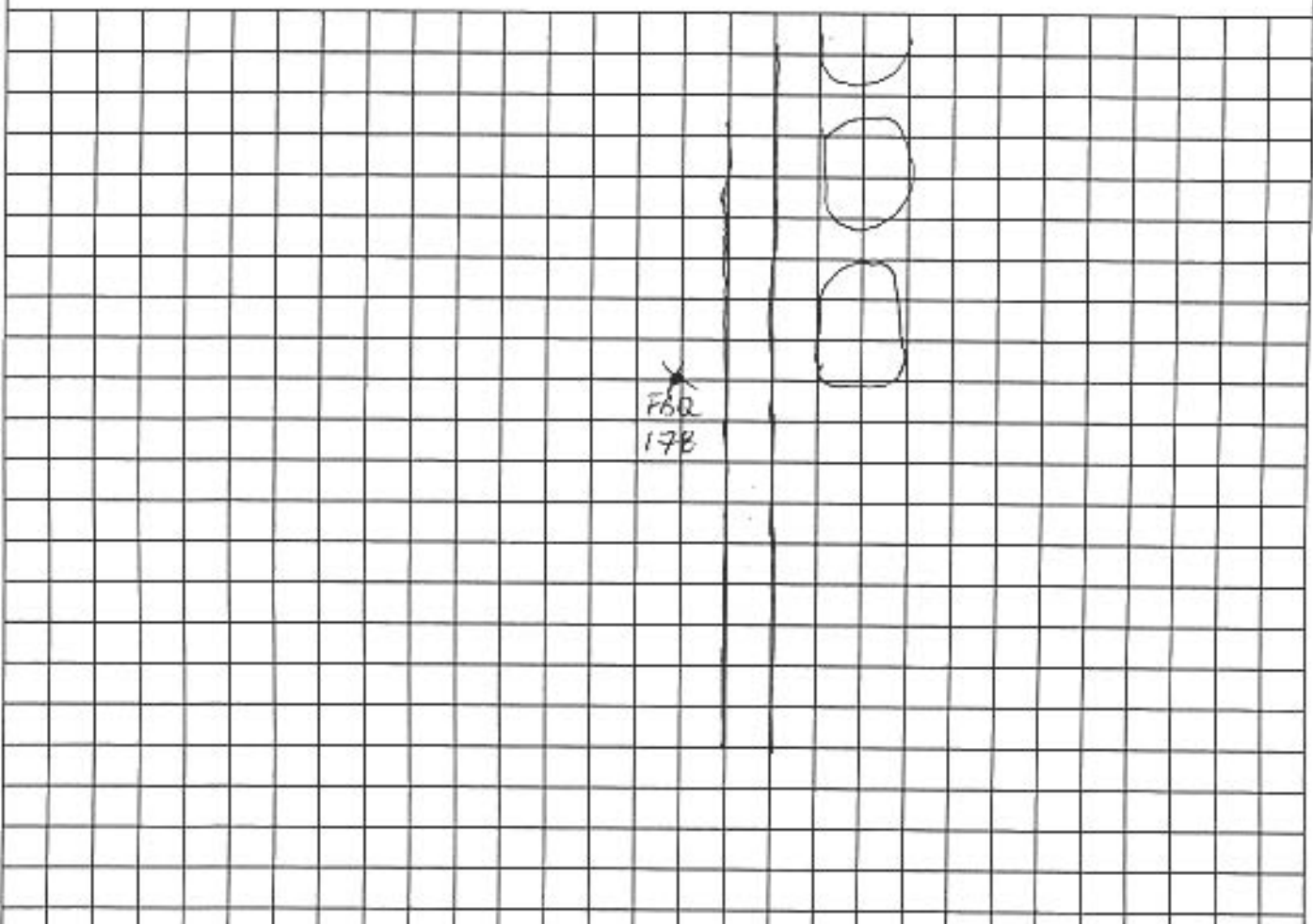
OTHER (SPECIFY)

23 SIGNATURE OF INSPECTOR

R. Bailey

LOCATION SKETCH/COMMENTS

SCALE: *not to scale*



HTRW DRILLING LOG

INDEX NUMBER: F-60-178

PROJECT: Fuze & Booster/RVAAP

INSPECTOR

SHEET 1 OF 1

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE / SCREENING RESULTS (D)	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO (F)	REMARKS (G)
	7243	0-1' Med Brn. Clay Trace silt & fine sand damp, Very firm, trace gravel	ND 245 3, 5		F02r-178- /554-50	
	7240	1-3' Med Brn. Clayey Silt, trace sand, Trace gravel, dry				PIE Malfunction
	7238	3-6' ^{grayish} Med Brn silt small-med sand, trace gravel, firm, dry, partings evident, mottled w/ lighter brown silt, occasional black partings			F02r- 178- /555-50	Horizon brn mottled w/ orange
	7236	6'-9' Med Brn Silt A/A top 8'6" change to med Brn fine sand, wet. Change @ 8'9" to med brn clayey, sandy silt, moist, little gravel				Some und. red SS/gravel (red)
	7234	9'-11' Med Brn Clayey, Sandy Silt, SS boulders, 10'6" wet @ 10'6" (st)				

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Phase I/II Fuze & Booster Quarry Landfill/Pond

DELIVERY ORDER: 0012

Date (mm/dd/yy): 09/29/03 Su (M) Tu W Th F Sa

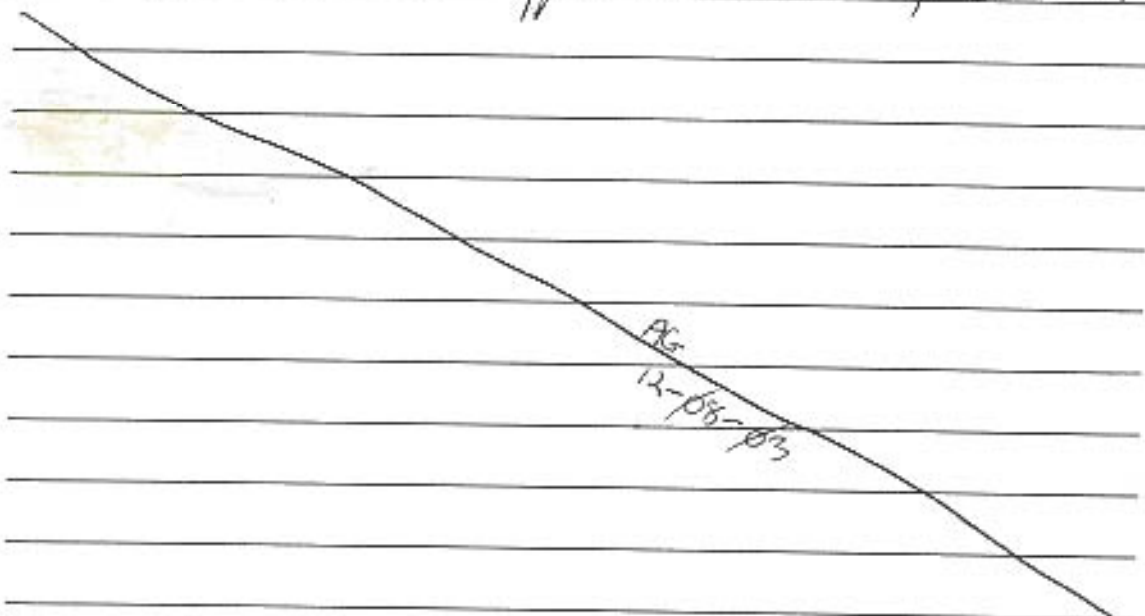
PAGE 1 OF ~~2~~ ASB

Task Team Members:

Ronda Bailey Steve King
Mark Deering _____
Frank Jackson _____

Narrative (include time and location):

1500 - Return From Lunch. Begin digging pit
1538 - FBQ-179 sample ϕ -1'4"
1550 - 1'6"-4' sample. FBQtr 179 ϕ 356 50
1630 - 4'-7' sample FBQtr 179 ϕ 357 50
1703 - 10'-12' stopped excavation
 reclaim soil to the pit. 5 Ceased ASB
 excavation due to depth limitation of backhoe.



Daily Weather Conditions: A.M. _____

P.M. Over cast, mid 50°F

Recorded By Rafael

QA Checked By Amy Greenwald

HTRW DRILLING LOG

HOLE NUMBER: **FBA-179**

PROJECT: Fuse & Booster/RVAAP

INSPECTOR

SHEET 1 OF 2

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CDAE BOX	ANALYTICAL SAMPLE NO (F)	REMARKS (G)
	0-1'6"	Grayish brown silty clay, damp, mottled orange, trace to little sand, trace of gravel				PID. out of Service No visual or obvious contaminants
	1'6" - 4'				FBAtr-179- #356-50	
	1'6" - 2'	Grayish brown silty clay A/A; change @ 2' to brownish grey clayey silt, little gravel, trace sand damp orange mottling, gravel is fine to coarse. Very firm				
	4'-7'	brownish gray w/purple hue clayey silt, fine to coarse gravel, orange mottling, damp. Very firm			FBAtr-179- #357-50	
	7'-10'	grayish brown silt, trace of ^{fine} gravel, dry, orange mottling. Very firm				

HTRW DRILLING LOG

HOLE NUMBER FBQ 179

PROJECT: Fuze & Booster/RVAAP

INSPECTOR

SHEET 2 OF 2

ELEV (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO (F)	REMARKS (G)
		<p>10' - 12' greyish brn. silt. trace fine gravel f very firm, dry, trace dk brn - blk organic material.</p>				
				<p>AG 12-95-03</p>		

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Phase I/II Fuze & Booster Quarry Landfill/Pond

DELIVERY ORDER: 0012

Date (mm/dd/yy): 093003 Su M (Tu) W Th F Sa

PAGE 1 OF 1 AB

Task Team Members:

<u>Randy Bailey</u>	<u>Steve King</u>
<u>Mark Deering</u>	
<u>Frank Jackson</u>	

Narrative (include time and location):

1150 - Arrived @ FBQ 180. Began digging test pit

1205 - Sample taken @ 0-1' FBQ 180 035850

1255 - Sample taken @ 8'4". Total Depth: refusal of equipment into further ^{FBQ 180 035350}

1300 Reclaim Soil to test pit.

1315 Break for lunch

Daily Weather Conditions: A.M. Sunny, no wind, upper 50s° F

P.M.

Recorded By Randy Bailey QA Checked By Amy Freeman

HTRW DRILLING LOG

PROJECT: Fuze & Booster/RVAAP

INSPECTOR

SHEET 1 OF 1

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOLOGIC SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	0	0-1' - Silt, top soil to 6" ^{moist} dark olive ML brown. 6" change to silty clay, light olive brown, damp very stiff, slightly plastic. CL.				2.5y4/3 <i>LAB</i>
	1	1'-5' Clayey silt, olive brown, damp, very stiff, trace fine gravel, non plastic. ML.				2.5y5/4
	2					
	3					
	4					
	5	5'-8'4" Clayey silt very stiff, dry, non plastic, T.D, slight olive brown				2.5y5/3
	6					
	7					
	8					
	9					
	10					

FBQ tr. @ 4'-1"
18p-9358-50

FBQ tr.
18p-9359-50

AKS
12-06-03

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Phase I/II Fuze & Booster Quarry Landfill/Pond

DELIVERY ORDER: 0012

Date (mm/dd/yyyy): 09/30/03 Su M Tu W Th F Sa

PAGE 1 OF 8 AG

Task Team Members:

Ronda Bailey

Steve King

Mark Deering

Frank Jackson

Narrative (include time and location):

0900 - Arrive on location @ FBQ 181.

0915 - Begin digging pit.

0930 - Sample taken @ 1'6" FBQtr 181 036050

1010 - Sample taken @ 6'6". Tube sample^{not} taken
in place (from pile). FBQtr 181 036150

1050 - Reached total depth of excavation.

1140 - Reclaimed soil to the test pit.

AG

12:05-03

Daily Weather Conditions: A.M. Sunny, 14 wind SW, mid to upper 50s°F

P.M.

Recorded By

Ronda Bailey

QA Checked By

Amy Johnson

HTRW DRILLING LOG

DISTRICT: Louisville

HOLE NUMBER
FBQ-181

1. COMPANY NAME: SpecPro, Inc.

2. DRILL SUBCONTRACTOR:
Frank's Maintenance

SHEET 1 of 1

3. PROJECT: Fuze & Booster/RVAAP

4. LOCATION: Fuze & Booster Quarry Landfill/Pond

5. NAME OF DRILLER: Frank Jackson

6. MANUFACTURERS DESIGNATION OF DRILL

7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT:
Ford Backhoe

8. HOLE LOCATION:

9. SURFACE ELEVATION:

10. DATE STARTED:

11. DATE COMPLETED:

12. OVERBURDEN THICKNESS:

15. DEPTH GROUNDWATER ENCOUNTERED:

13. DEPTH DRILLED INTO ROCK:

16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED:

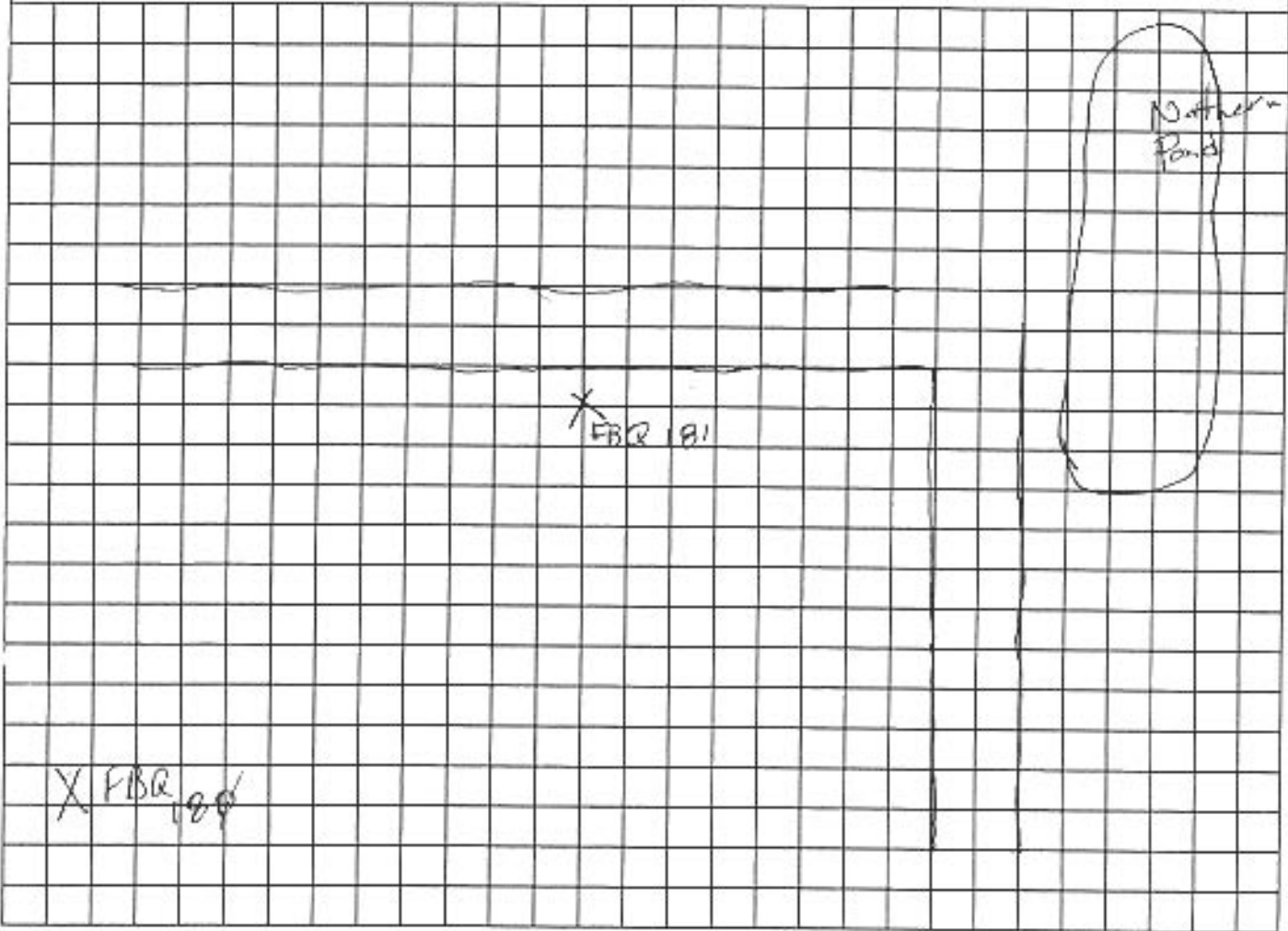
14. TOTAL DEPTH OF HOLE:

17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY):

18. GEOTECHNICAL SAMPLES	DISTURBED		UNDISTURBED		19. TOTAL NUMBER OF CORE BOXES	
20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY %
22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR		

LOCATION SKETCH/COMMENTS

SCALE: no scale



ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	0-1'6"	Dark Olive Brown silt topsoil Trace sand, little fine-med gravel Organic material (roots grass), moist. Change at 1' to clay; yellowish brown.	P10 - P19			Munsell 2.5Y3/3
	1'-2'	1/6" - 4" A/A to 2' change to ^{light} pinkish light brown, little fine to med gravel, damp soft, slightly plastic, silty clay.			F82tr- 181-0364- 50	Munsell 2.5Y5/3
	4'-6'6"	A/A to 5'6" Change to yellowish brown fine, loose sand, with little to some fine to coarse gravel little cobbles and trace boulders (red sandstone, f. Newell siltstone micaceous quartz sandstone) Sand is wet.			F82tr- 181-0364- 50	1 10YR 5/6
	9'	TD @ 9'. Massive SS boulders. wet, at the bottom.				

B/S
P/S

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Phase III Fuze & Booster Quarry Landfill/Pond

DELIVERY ORDER: 0012

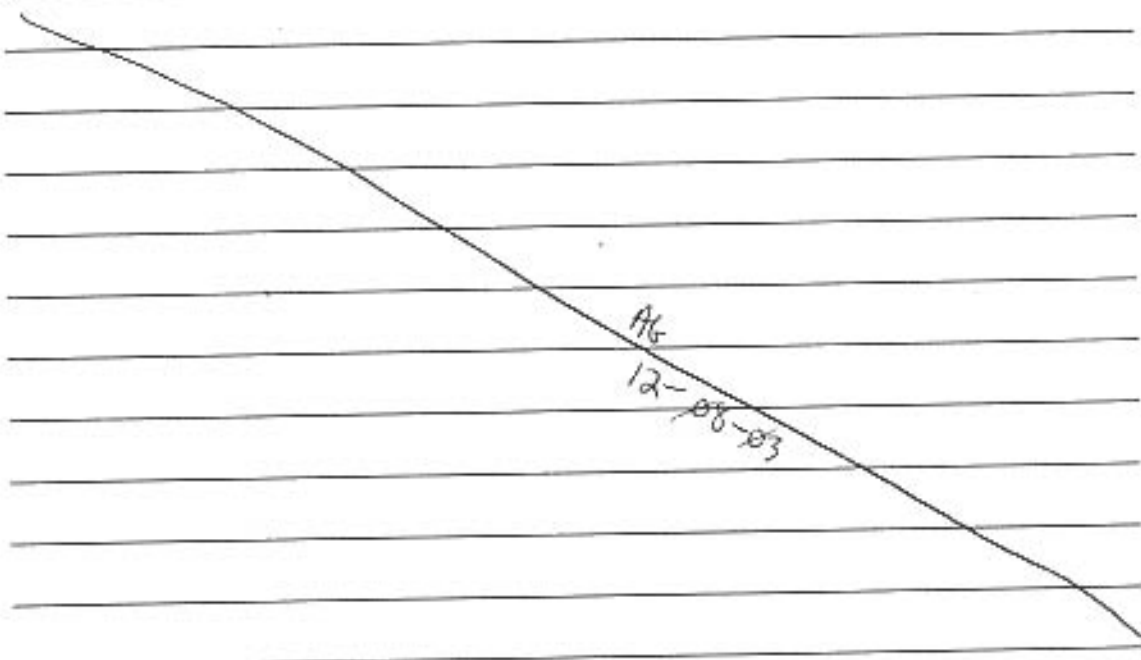
Date (mm/dd/yy): 09/30/03 Su M Tu W Th F Sa PAGE 1 OF 1 AG

Task Team Members:

Randa Bailey Steve King
Mark Deering
Frank Jackson

Narrative (include time and location):

1405 - Arrive at FBQ-182. Begin excavating test pit
1420 - Sample taken @ 1'6" FBQtr 182-030250
1505 - Sample taken @ 4'6" FBQtr 182-030350
1530 - Reclaim soil to pit.
Howe AG



AG
12-08-03

Daily Weather Conditions: A.M. _____

P.M. Sunny, 11 wind upper 50's F

Recorded By Randa Bailey

QA Checked By Amy Newman

HTRW DRILLING LOG		DISTRICT: Louisville		HOLE NUMBER <i>FBQ 182</i>	
1. COMPANY NAME: <i>SpecPro, Inc.</i>		2. DRILL SUBCONTRACTOR <i>Franks Maintenance</i>		SHEET <i>1</i> of <i>1</i>	
3. PROJECT: <i>Fuze & Booster/RVAAP</i>			4. LOCATION: <i>Fuze & Booster Quarry Landfill/Pond</i>		
5. NAME OF DRILLER			6. MANUFACTURER'S DESIGNATION OF DRILL		
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT		8. HOLE LOCATION:			
		9. SURFACE ELEVATION			
		10. DATE STARTED:		11. DATE COMPLETED	
12. OVERBURDEN THICKNESS		15. DEPTH GROUNDWATER ENCOUNTERED			
13. DEPTH DRILLED INTO ROCK		16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED			
14. TOTAL DEPTH OF HOLE		17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY):			
18. GEOTECHNICAL SAMPLES		DISTURBED		UNDISTURBED	
19. TOTAL NUMBER OF CORE BOXES					
20. SAMPLES FOR CHEMICAL ANALYSIS		VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)
21. DISPOSITION OF HOLE		BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	22. SIGNATURE OF INSPECTOR

LOCATION SKETCH/COMMENTS	<i>See page 24B</i>	SCALE:

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Phase I/II Fuze & Booster Quarry Landfill/Pond

DELIVERY ORDER: 0012

Date (mm/dd/yy): 12/4/03 Su M Tu W Th F Sa

PAGE 1 OF 1 AG

Task Team Members:

<u>Ronda Bailey</u>	<u>Steve King</u>
<u>Mark Deering</u>	
<u>Frank Jackson</u>	

Narrative (include time and location):

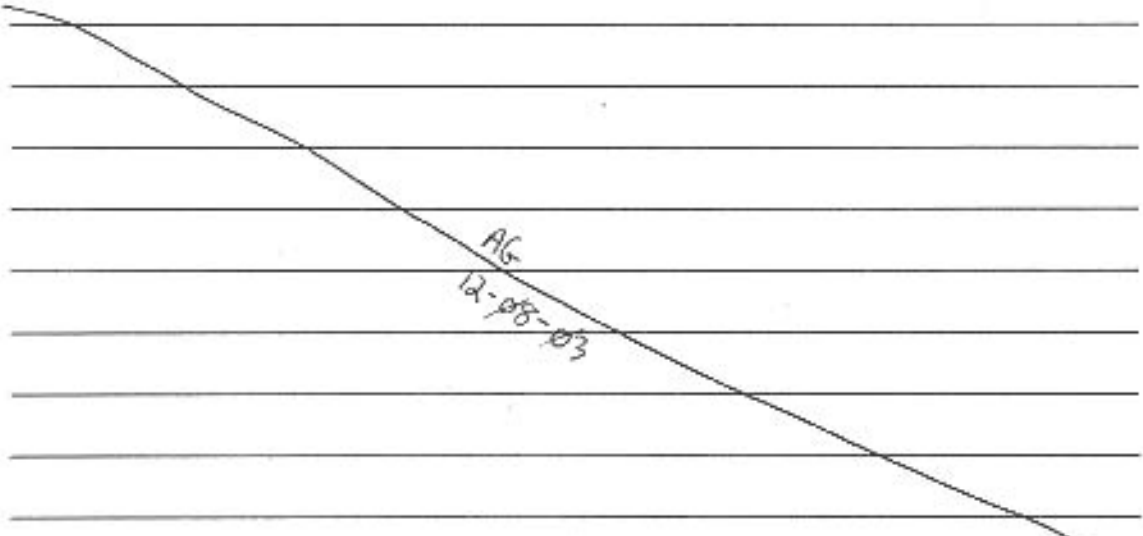
0910 - Arrive at test pit FBQ 183. Begin excavation.

0930 - Sample taken @ 1' FBQtr 183 #36450

1030 - Excavation total Depth: 4' ^{length:} 27' 8" ^{width:} 27' 8" _{width}

1040 - bedrock refusal of backhoe. Sample taken FBQtr 183 #36550 from spoils. This test pit was extended approx 15' to verify extent of bedrock.

1045 - Begin reclamation of soil to the pit.



Daily Weather Conditions: A.M. Sunny, Low 50's F, lt wind E.

P.M. _____

Recorded By [Signature] QA Checked By Amy Greenawald

HTRW DRILLING LOG

DISTRICT: Louisville

HOLE NUMBER
FBR 183

1 COMPANY NAME: SpecPro, Inc.

2 DRILL SUBCONTRACTOR
Frank's Maintenance

sheet **1** of **1**

3 PROJECT: Fuze & Booster/RVAAP

4 LOCATION: Fuze & Booster Quarry Landfill/Pond

5 NAME OF DRILLER: **Frank Jackson**

6 MANUFACTURERS DESIGNATION OF DRILL:

7 SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: **Ford Backhoe**

8 HOLE LOCATION:

9 SURFACE ELEVATION:

10 DATE STARTED:

11 DATE COMPLETED:

12 OVERBURDEN THICKNESS:

15. DEPTH GROUNDWATER ENCOUNTERED:

13. DEPTH DRILLED INTO ROCK:

16 DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED:

14 TOTAL DEPTH OF HOLE:

17 OTHER WATER LEVEL MEASUREMENTS (SPECIFY):

18 GEOTECHNICAL SAMPLES:

DISTURBED

UNDISTURBED

19. TOTAL NUMBER OF CORE BOXES:

20. SAMPLES FOR CHEMICAL ANALYSIS:

VOC

METALS

OTHER (SPECIFY)

OTHER (SPECIFY)

OTHER (SPECIFY)

21 TOTAL CORE RECOVERY %

22 DISPOSITION OF HOLE:

BACKFILLED

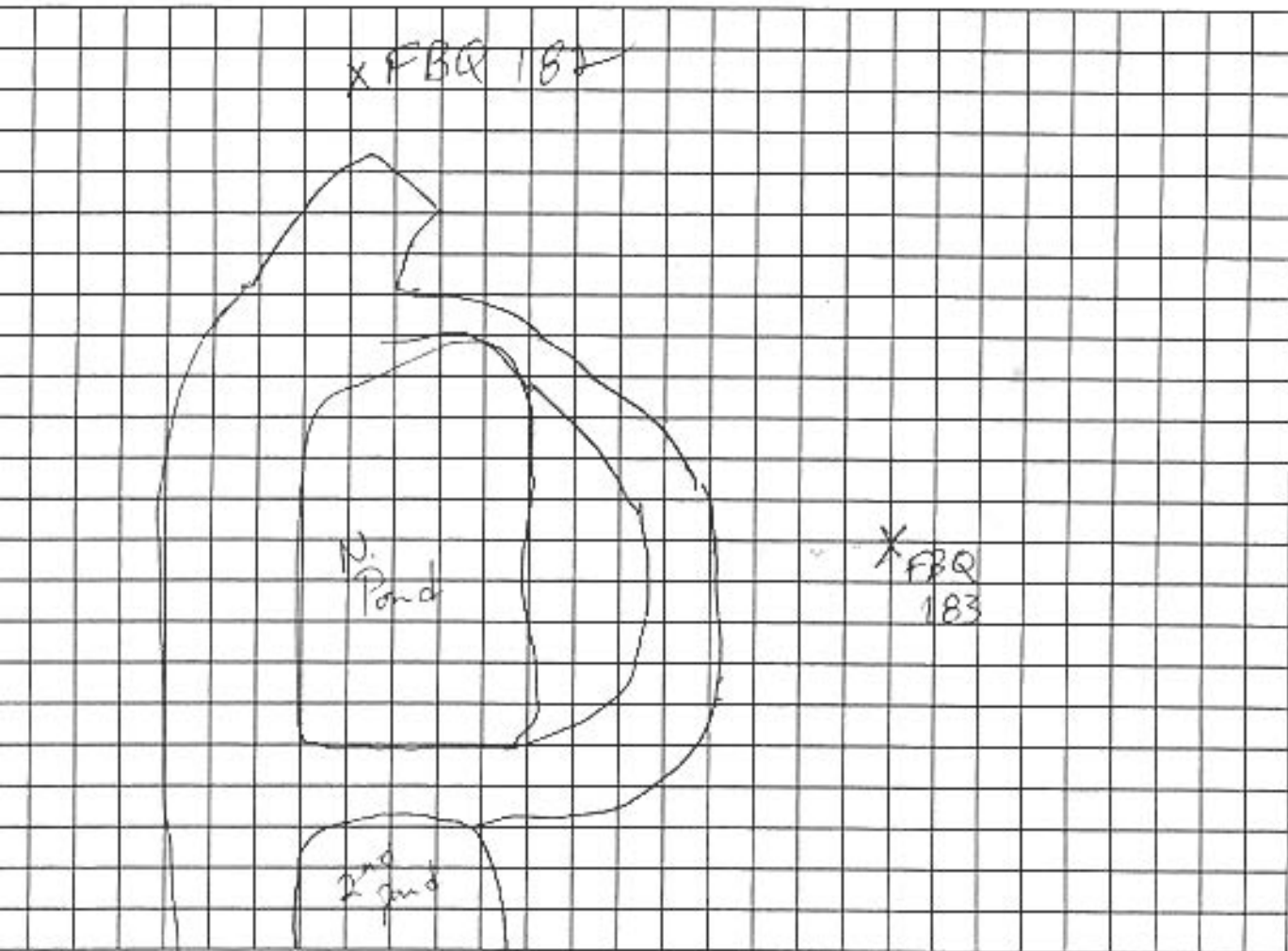
MONITORING WELL

OTHER (SPECIFY)

23 SIGNATURE OF INSPECTOR:

LOCATION SKETCH/COMMENTS

SCALE: **RD Scale**



HTRW DRILLING LOG

PROJECT: Fuze & Booster RVAAP

HOLE NUMBER: **FBQ 183** 249

INSPECTOR

SHEET | OF |

ELEV (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEDTECH SAMPLE OR CURE BOX	ANALYTICAL SAMPLE NO (F)	REMARKS (G)
	1	0-1' - Silt topsoil up to 6". Trace sand, trace fine gravel, deep dark yellowish brown.	PID-5		FOG-183-0364-50	Medium dense 1 1/2 yr 4/4
	2	1' - Silty clay, dark yellowish brown, soft consistency, trace sand, trace gravel, damp, plastic.				1 1/2 yr 4/6
	3	3' 9" - 4' Silty Sand dark yellowish brown, some gravel, poorly sorted & well sorted. Trace boulders. Loose density.		Fee	FOG-183-0365-50	1 1/2 yr 4/6
	4	Dry				
	5	AG 12-08-03				
	6	AG 12-08-03				
	7	AG 12-08-03				
	8	AG 12-08-03				
	9	AG 12-08-03				
	10	AG 12-08-03				