Geosyntec consultants

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30 June 2020

Mr. David Meyers
Florida Department of Environmental Protection
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Subject: **Trip Report – Area of Concern 1 Soil and Groundwater Assessment – June 2020**
Florida State Fire College
11655 NW Gainesville Road, Ocala, Marion County, Florida
ERIC_6494
FDEP Contract HW550, Task Assignment SL-0A087, Subtask 3

Dear Mr. Meyers,

Geosyntec Consultants, Inc. (Geosyntec) has prepared this Trip Report summarizing the investigation of groundwater and soil at the Florida State Fire College (FSFC) located in Ocala, Florida. The objective of this investigation was to assess the extent of groundwater and soil within Area of Concern (AOC) 1 that was previously documented to be affected with per- and polyfluoroalkyl substances. Geosyntec completed activities under Task Assignment SL-0A087.

On 22 through 26 June 2020, Geosyntec completed the following activities at the FSFC:

- Observed a private utility locate to identify any potential subsurface utilities of obstructions;
- Completed 4 hand-augered soil borings to 4 feet (ft) below land surface (BLS), described the lithology at each boring, and collected discrete soil samples;
- Completed 1 hand-augered soil borings to 6 ft BLS, described the lithology at each boring, and collected discrete soil samples;
- Observed the completion of 2 hand auger and direct push technology (DPT) soil borings to 6 ft BLS, 5 hand auger and DPT soil borings to 12 ft BLS, 6 hand auger and DPT soil borings to 15 ft BLS, 2 hand auger and DPT soil boring to 25 ft BLS, 9 hand auger and DPT soil borings to 35 ft BLS, described the lithology at each boring, and collected discrete soil samples at each location;
    - 3 borings (AOC 1 – SB 48, AOC 1 – SB 49, and AOC 1 – SB 50) were not completed to the original proposed depth due to refusal and no samples were collected at 1 of these locations (AOC 1 – SB 48);

Geosyntec consultants

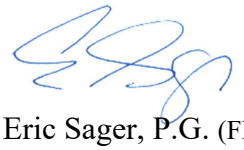
    - 1 boring (AOC 1 – SB 55) was not completed using DPT due to access issues with the DPT rig, but hand-augered samples were collected to 4 ft BLS;
- Observed completion of 3 DPT groundwater borings and collected DPT screen point groundwater samples from approximately 46 to 50 ft BLS using high density polyethylene tubing and a check ball valve;
- Collected one water sample and one duplicate from supply Well #8 on the Lhoist property; and
- Staged five (5) 55-gallon drums containing soil and liquid investigation derived waste in the designated area.

The sampling locations, depth intervals, matrices, analytes, laboratory methods, rational, and screening criteria are summarized on **Table 1**. The sampling locations are depicted on **Figure 1**; a revised figure with updated GPS points will be provided in the Assessment Report. Field notes documenting the sampling activities are included in **Attachment A**, and a photographic log documenting representative field activities is included in **Attachment B**.

If you have any questions or comments, or require additional information, please contact Eric Sager at 727-330-9952 or Todd Kafka at 813-379-4396.

Sincerely,

Olivia Cain, E.I. (FL)
Senior Staff Engineer



Eric Sager, P.G. (FL)
Principal Geologist

Copy: Mike Lodato, Geosyntec
Todd Kafka, Geosyntec

Attachments: Table
Figure
Attachment A – Field Forms
Attachment B – Photographic Log

TABLE

Table 1: Proposed Soil and Groundwater Sampling Locations, Matrices, Analytes, Rationale, and Criteria
Florida State Fire College June 2020

Area of Concern (AOC)	Location ID	Sample ID	Matrix	Depth (ft BLS)	Drilling Method	Analyses	Rationale	Criteria
Soil Samples								
AOC 1 - Former Drum and Tote Area	AOC 1-SB 1	AOC 1-SB 1 (4-6')	Soil	4-6	DPT	PFAS	Delineation Sampling	Provisional Soil Cleanup Target Levels
		AOC 1-SB 1 (10-12')		10-12				
		AOC 1-SB 1 (13-15')		13-15				
	AOC 1-SB 2	AOC 1-SB 2 (4-6')	Soil	4-6	DPT			
		AOC 1-SB 2 (10-12')		10-12				
	AOC 1-SB 6	AOC 1-SB 6 (4-6')	Soil	4-6	DPT			
		AOC 1-SB 6 (6-8')		6-8				
		AOC 1-SB 6 (10-12')		10-12				
	AOC 1-SB 7	AOC 1-SB 7 (4-6')	Soil	4-6	DPT			
		AOC 1-SB 7 (10-12')		10-12				
		AOC 1-SB 7 (13-15')		13-15				
	AOC 1-SB 9	AOC 1-SB 9 4-6')	Soil	0-0.5	DPT			
	AOC 1-SB 12	AOC 1-SB 12 (2-4')	Soil	2-4	HA			
		AOC 1-SB 12 (4-6')		4-6	DPT			
		AOC 1-SB 12 (6-8')		6-8				
		AOC 1-SB 12 (10-12')		10-12				
		AOC 1-SB 12 (13-15')		13-15				
	AOC 1-SB 14	AOC 1-SB 14 (6-8)	Soil	6-8	DPT			
		AOC 1-SB 14 (10-12)		10-12				
	AOC 1-SB 17	AOC 1-SB 17 (4-6')	Soil	4-6	HA			
	AOC 1-SB 18	AOC 1-SB 18 (2-4')	Soil	2-4	HA			
		AOC 1-SB 18 (4-6')		4-6	DPT			
	AOC 1-SB 19	AOC 1-SB 19 (4-6')	Soil	4-6	DPT			
		AOC 1-SB 19 (6-8')		6-8				
		AOC 1-SB 19 (10-12')		10-12				
		AOC 1-SB 19 (13-15')		13-15				
	AOC 1-SB 21	AOC 1-SB 21 (2-4')	Soil	2-4	HA			
		AOC 1-SB 21 (4-6')		4-6	DPT			
		AOC 1-SB 21 (6-8')		6-8				
		AOC 1-SB 21 (10-12')		10-12				
		AOC 1-SB 21 (13-15')		13-15				
	AOC 1-SB 22	AOC 1-SB 22 (2-4')	Soil	2-4	HA			
		AOC 1-SB 22 (4-6')		4-6	DPT			
		AOC 1-SB 22 (6-8')		6-8				
		AOC 1-SB 22 (10-12')		10-12				

Table 1: Proposed Soil and Groundwater Sampling Locations, Matrices, Analytes, Rationale, and Criteria
Florida State Fire College June 2020

Area of Concern (AOC)	Location ID	Sample ID	Matrix	Depth (ft BLS)	Drilling Method	Analyses	Rationale	Criteria
AOC 1 - Former Drum and Tote Area	AOC 1-SB 28	AOC 1-SB 28 (0-0.5')	Soil	0-0.5	HA	PFAS	Delineation Sampling	Provisional Soil Cleanup Target Levels
		AOC 1-SB 28 (0.5-2')		0.5-2				
		AOC 1-SB 28 (2-4')		2-4				
		AOC 1-SB 28 (4-6')		4-6	DPT			
		AOC 1-SB 28 (6-8')		6-8				
		AOC 1-SB 28 (10-12')		10-12				
	AOC 1-SB 32	AOC 1-SB 32 (4-6')	Soil	4-6	DPT			
		AOC 1-SB 32 (10-12')		10-12				
		AOC 1-SB 32 (13-15')		13-15				
	AOC 1-SB 36	AOC 1-SB 36 (4-6')	Soil	4-6	DPT			
		AOC 1-SB 36 (10-12')		10-12				
		AOC 1-SB 36 (13-15')		13-15				
		AOC 1-SB 36 (23-25')		23-25				
		AOC 1-SB 36 (33-35')		33-35				
	AOC 1-SB 37	AOC 1-SB 37 (4-6')	Soil	4-6	DPT			
		AOC 1-SB 37 (10-12')		10-12				
		AOC 1-SB 37 (13-15')		13-15				
		AOC 1-SB 37 (23-25')		23-25				
		AOC 1-SB 37 (33-35')		33-35				
	AOC 1-SB 38	AOC 1-SB 38 (4-6')	Soil	4-6	DPT			
		AOC 1-SB 38 (10-12')		10-12				
		AOC 1-SB 38 (13-15')		13-15				
		AOC 1-SB 38 (23-25')		23-25				
		AOC 1-SB 38 (33-35')		33-35				
	AOC 1-SB 48	AOC 1-SB 48 (33-35')	Soil	33-35	DPT			
	AOC 1-SB 49	AOC 1-SB 49 (0-0.5')	Soil	0-0.5	HA			
		AOC 1-SB 49 (0.5-2')		0.5-2				
		AOC 1-SB 49 (2-4')		2-4				
		AOC 1-SB 49 (4-6')		4-6	DPT			
		AOC 1-SB 49 (6-8')		6-8				
		AOC 1-SB 49 (10-12')		10-12				
		AOC 1-SB 49 (13-15)		13-15				
		AOC 1-SB 49 (23-25)		23-25				
		AOC 1-SB 49 (33-35)		33-35				

Table 1: Proposed Soil and Groundwater Sampling Locations, Matrices, Analytes, Rationale, and Criteria
Florida State Fire College June 2020

Area of Concern (AOC)	Location ID	Sample ID	Matrix	Depth (ft BLS)	Drilling Method	Analyses	Rationale	Criteria
AOC 1 - Former Drum and Tote Area	AOC 1-SB 50	AOC 1-SB 50 (0-0.5')	Soil	0-0.5	HA	PFAS	Delineation Sampling	Provisional Soil Cleanup Target Levels
		AOC 1-SB 50 (0.5-2')		0.5-2				
		AOC 1-SB 50 (2-4')		2-4				
		AOC 1-SB 50 (4-6')		4-6	DPT			
		AOC 1-SB 50 (6-8')		6-8				
		AOC 1-SB 50 (10-12')		10-12				
		AOC 1-SB50 (13-15)		13-15				
		AOC 1-SB 50 (23-25)		23-25				
	AOC 1-SB 51	AOC 1-SB 51 (0-0.5')	Soil	0-0.5	HA			
		AOC 1-SB 51 (0.5-2')		0.5-2				
		AOC 1-SB 51 (2-4')		2-4				
		AOC 1-SB 51 (4-6')		4-6	DPT			
		AOC 1-SB 51 (6-8')		6-8				
		AOC 1-SB 51 (10-12')		10-12				
		AOC 1-SB 51 (13-15)		13-15				
		AOC 1-SB 51 (23-25)		23-25				
		AOC 1-SB 51 (33-35)		33-35				
	AOC 1-SB 52	AOC 1-SB 52 (0-0.5')	Soil	0-0.5	HA			
		AOC 1-SB 52 (0.5-2')		0.5-2				
		AOC 1-SB 52 (2-4')		2-4				
		AOC 1-SB 52 (4-6')		4-6	DPT			
		AOC 1-SB 52 (6-8')		6-8				
		AOC 1-SB 52 (10-12')		10-12				
		AOC 1-SB 52 (13-15)		13-15				
		AOC 1-SB 52 (23-25)		23-25				
		AOC 1-SB 52 (33-35)		33-35				
	AOC 1-SB 53	AOC 1-SB 53 (0-0.5')	Soil	0-0.5	HA			
		AOC 1-SB 53 (0.5-2')		0.5-2				
		AOC 1-SB 53 (2-4')		2-4				
		AOC 1-SB 53 (4-6')		4-6	DPT			
		AOC 1-SB 53 (6-8')		6-8				
		AOC 1-SB 53 (10-12')		10-12				
		AOC 1-SB 53 (13-15)		13-15				
		AOC 1-SB 53 (23-25)		23-25				
		AOC 1-SB 53 (33-35)		33-35				

Table 1: Proposed Soil and Groundwater Sampling Locations, Matrices, Analytes, Rationale, and Criteria
Florida State Fire College June 2020

Area of Concern (AOC)	Location ID	Sample ID	Matrix	Depth (ft BLS)	Drilling Method	Analyses	Rationale	Criteria
AOC 1 - Former Drum and Tote Area	AOC 1-SB 54	AOC 1-SB 54 (0-0.5')	Soil	0-0.5	HA	PFAS	Delineation Sampling	Provisional Soil Cleanup Target Levels
		AOC 1-SB 54 (0.5-2')		0.5-2				
		AOC 1-SB 54 (2-4')		2-4				
		AOC 1-SB 54 (4-6')		4-6	DPT			
		AOC 1-SB 54 (6-8')		6-8				
		AOC 1-SB 54 (10-12')		10-12				
		AOC 1-SB 54 (13-15)		13-15				
		AOC 1-SB 54 (23-25)		23-25				
		AOC 1-SB 54 (33-35)		33-35				
	AOC 1-SB 55	AOC 1-SB 55 (0-0.5')	Soil	0-0.5	HA			
		AOC 1-SB 55 (0.5-2')		0.5-2				
		AOC 1-SB 55 (2-4')		2-4				
	AOC 1-SB 56	AOC 1-SB 56 (0-0.5')	Soil	0-0.5	HA			
		AOC 1-SB 56 (0.5-2')		0.5-2				
		AOC 1-SB 56 (2-4')		2-4				
		AOC 1-SB 56 (4-6')		4-6	DPT			
		AOC 1-SB 56 (6-8')		6-8				
		AOC 1-SB 56 (10-12')		10-12				
		AOC 1-SB 56 (13-15)		13-15				
		AOC 1-SB 56 (23-25)		23-25				
		AOC 1-SB 56 (33-35)		33-35				
	AOC 1-SB 57	AOC 1-SB 57 (0-0.5')	Soil	0-0.5	HA			
		AOC 1-SB 57 (0.5-2')		0.5-2				
		AOC 1-SB 57 (2-4')		2-4				
	AOC 1-SB 58	AOC 1-SB 58 (0-0.5')	Soil	0-0.5	HA			
		AOC 1-SB 58 (0.5-2')		0.5-2				
		AOC 1-SB 58 (2-4')		2-4				
	AOC 1-SB 59	AOC 1-SB 59 (0-0.5')	Soil	0-0.5	HA			
		AOC 1-SB 59 (0.5-2')		0.5-2				
		AOC 1-SB 59 (2-4')		2-4				

Table 1: Proposed Soil and Groundwater Sampling Locations, Matrices, Analytes, Rationale, and Criteria
Florida State Fire College June 2020

Area of Concern (AOC)	Location ID	Sample ID	Matrix	Depth (ft BLS)	Drilling Method	Analyses	Rationale	Criteria
Groundwater Samples								
AOC 1 - Former Drum and Tote Area	SP-7	SP-7 (46-50')	Groundwater	46-50	DPT	PFAS	Groundwater assessment	Provisional Groundwater Cleanup Target Levels
	SP-8	SP-8 (46-50')		46-50				
		DUP-4 [SP-8 (46-50)]						
	SP-9	SP-9 (46-50')		46-50				
Laboratory Quality Assurance/Quality Control Samples								
Location	**Sample Type**	**Sample ID**	**Matrix**	**Equipment sampled**		**Analyses**	**Rationale**	**Criteria**
AOC 1 - Former Drum and Tote Area	Equipment Blanks (ratio of 1:10)	AOC 1-EQB 42	Water	N/A		PFAS	Assess potential sources of contamination from DPT and HA sampling equipment	N/A
		AOC 1-EQB 43						
		AOC 1-EQB 44						
		AOC 1-EQB 45						
		AOC 1-EQB 46						
		AOC 1-EQB 47						
		AOC 1-EQB 48						
		AOC 1-EQB 49						
		AOC 1-EQB 50						
		AOC 1-EQB 51						
		AOC 1-EQB 52						
		AOC 1-EQB 53						
		AOC 1-EQB 54						
	Field Reagent Blanks (1 per cooler)	AOC 1-FRB 22	Water				Evaluate potential impact of sample cross-contamination	
		AOC 1-FRB 23						
		AOC 1-FRB 24						
		AOC 1-FRB 25						
		AOC 1-FRB 26						
		AOC 1-FRB 27						

Notes:

1. DPT indicates direct push technology.
2. ft BLS indicates feet below land surface.
3. SB indicates soil boring.
4. HA indicates hand auger.
5. PFAS indicates per- and polyfluoroalkyl substances.
6. N/A indicates not applicable.
7. EQB indicates equipment blank.
8. FRB indicates field reagent blank.
9. DUP indicates duplicate
10. SP indicates screen point

FIGURE

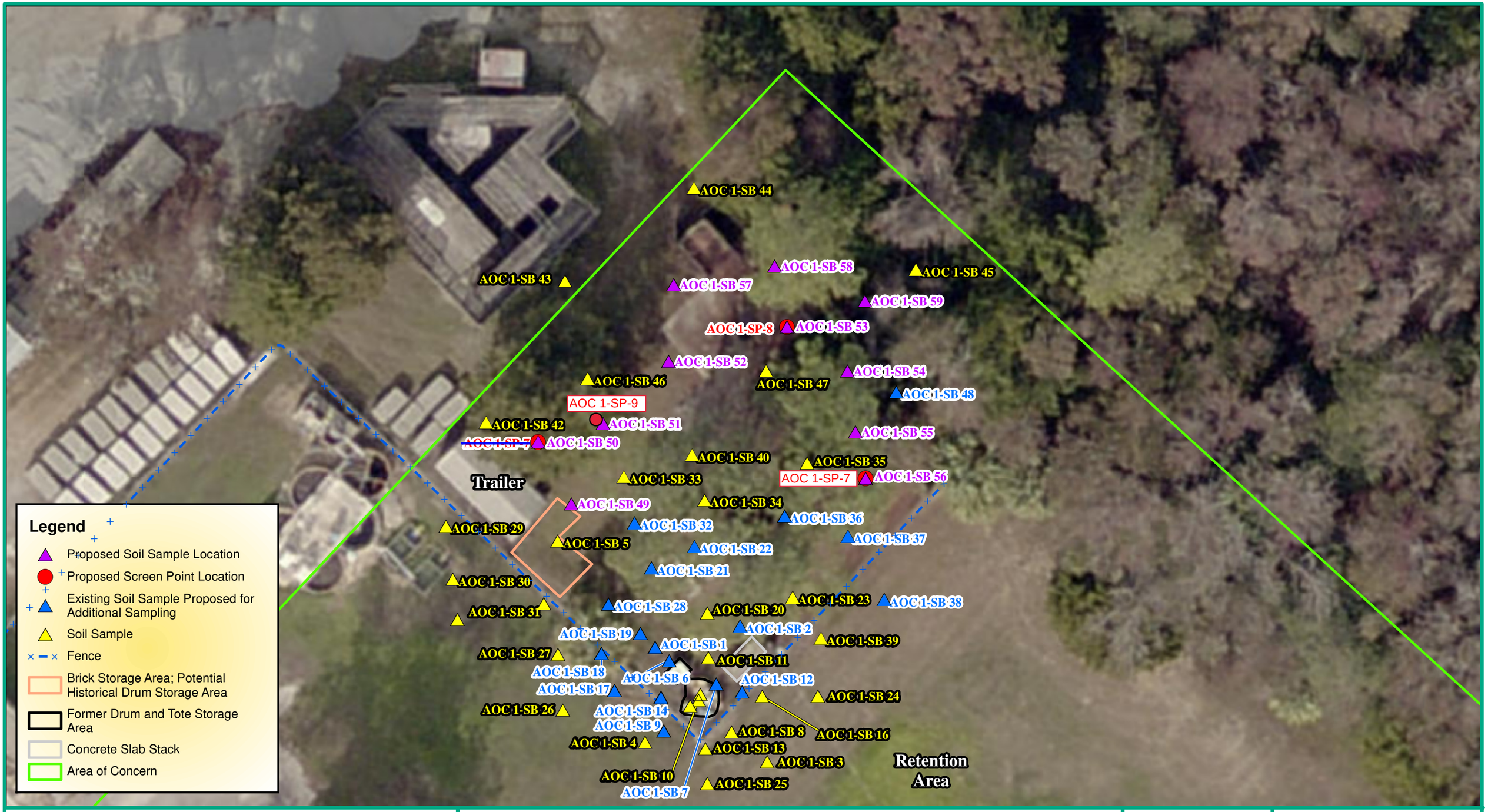


Figure 1 Proposed Soil Sample Locations
AOC 1 - Former Drum and Tote Area
Florida State Fire College
11655 NW Gainesville Road
Ocala, Marion County, Florida

Notes:
1. AOC indicates area of concern.
2. ft BLS indicates feet below land surface.
3. Source of 2017 aerial: Florida Department of Transportation Aerial Photo Look Up System website.
4. Soil borings were advanced to the water table unless refusal was encountered beforehand.

Date: May 06, 2020

N

20 Feet

Path: (Titusville-01\DATA) P:\0GIS\FR3511_Florida_State_Fire_College\MXDs\202005\FSFC_Prop_Sample_Locs_201912_20ft_202005.mxd 06 May 2020 MAH

ATTACHMENT A

Field Activities Record Form

Geosyntec consultants

Project Name: Florida State Fire College (FSFC)

Site Location: 11655 NW Gainesville Road, Ocala, FL 34482 Project/Task Number: FR3511C/Phase 04

Type of Work: Soil sampling, DPT sampling Date: 6/22/20

Field Personnel: Meg Simms

Contractors: PDS, GeoTek

Time	Notes:
0550	Meg Simms (MS) leaves for site in a company owned vehicle
0750	MS arrives on-site. Ann Sava (AS), Ethan Upton (EU),
	Bud Conner (GeoTek), Olivia Cain (OC) on-site.
0805	MS conduct Tailgate H+S Briefing
0820	PDS on-site. MS conduct H+S Briefing.
0821	OC, EU, AS stake out boring locations using GPS.
0845	PDS start setting up decon station
1000	OC, EU, AS, + MS set up hand auger decon station
1040	OC, EU, + AS start hand augering (See log)
1200	PDS start DPT sampling (See log)
1630	PDS runs out of water, PDS off-site.
1740	OC tags MW-16 DTW (35.12 ft BLS)
1800	OC, EU, AS, + MS clean up area. All off-site.

Meg P. Simms

Field Activities Record Form

Geosyntec consultants

Project Name: Florida State Fire College (FSFC)

Site Location: 11655 NW Gainesville Road, Ocala, FL 34482

Project/Task Number: FR3511C/Phase 04

Type of Work: Soil + DPT sampling

Date: 6/23/20

Field Personnel: Meg Simms

Contractors: PDS

Time	Notes:
0750	Meg Simms (MS) arrive on-site. PDS on-site.
0810	Ethan Upton (EU) on-site. MS conduct H + S briefing
0820	EU start deconning hand augers + start sampling (See log).
	PDS start deconning equipment.
0950	PDS start drilling at boring locations (See log.)
1100	Eric Sager (ES) was contacted to notify that drill rig hit refusal at 28' at AOC 1-SB 48. ES advised to come back to this location at the end of the event.
1200	ES was contacted to notify that area near AOC 1-SB 55 was dangerous due to potential falling objects (vines, branches). ES advised not to drill at this location.
1207	Lightning detected nearby, stop activities + take lunch.
1250	Resume activities.
1420	Lightning detected nearby, stop activities
1625	Resume activities
1720	ES was contacted to notify that drill rig hit refusal at 27' at AOC 1-SB 50. ES advised to come back to this location at the end of the event if time permits.
1805	EU, MS, + PDS clean up site. All off-site.

Meg P Simms

Field Activities Record Form

Geosyntec consultants

Project Name: Florida State Fire College (FSFC)

Site Location: 11655 NW Gainesville Road, Ocala, FL 34482

Project/Task Number: FR3511C/Phase 04

Type of Work: DPT sampling

Date: 6/24/20

Field Personnel: Meg Simms

Contractors: PDS

Time	Notes:
0700	Meg Simms (MS) arrive on-site. PDS + Ethan Upton (EU) on-site
~~710~~ 710	MS conducts tailgate H+S briefing
0715	PDS decon equipment + start drilling for DPT samples. (See log.)
0810	Lost rod (15-20') at AOC 1-SB 56. Offset + resume sampling at this location.
0837	Hit refusal at 28' at AOC 1-SB 56. Continue to next bore hole location
0955	PDS off-site to grab more fuel for the equipment.
1045	Resume activities (See log)
1215	Break for lunch.
1315	Resume activities (See log)
1507	MS + EU collect AOC ~~1-SB 47~~ 1-EQB 47. EU + PDS collect AOC 1-EQB 48
1715	PDS decon equipment + leave for the day.
1730	MS + EU cleanup area + leave for the day

Meg P. Simms

Field Activities Record Form

Geosyntec consultants

Project Name: Florida State Fire College (FSFC)

Site Location: 11655 NW Gainesville Road, Ocala, FL 34482

Project/Task Number: FR3511C/Phase 04

Type of Work: DPT sampling

Date: 6/25/20

Field Personnel: Meg Simms

Contractors: PDS

Time	Notes:
0800	Meg Simms (MS) arrives on-site. Ethan Upton (EU) +
~~0810~~ (MS)	~~M~~ PDS on-site
0810	MS conducts tailgate H + S briefing
0830	PDS start drilling at boring locations (See log).
0928	MS + EU take AOC 1-EQB 49.
0940	EU take AOC 1-~~EQB~~ (MS) -FRB 26. Resume activities.
1146	MS + EU take AOC 1-EQB 50.
1220	Lunch. PDS + EU off-site.
1310	MS start calibrating water sampling equipment.
1320	PDS + EU back on-site. Resume activities
1356	MS + EU take AOC 1-EQB 51. Resume activities
1407	~~HD~~ Todd Kafka (TK) was contacted to determine activities after soil boring completion. TK advised to offset + drill at AOC 1-SB 56 to 35'. Resume activities
1651	MS + EU take AOC 1-EQB 52. Resume activities.
1800	PDS, MS, + EU clean up + leave site.
	End of Day

Meg P. Simms

Field Activities Record Form

Geosyntec consultants

Project Name: Florida State Fire College (FSFC)

Site Location: 11655 NW Gainesville Road, Ocala, FL 34482

Project/Task Number: FR3511C/Phase 04

Type of Work: DPT sampling

Date: 6/26/20

Field Personnel: Meg Simms

Contractors: PDS

Time	Notes:
0800	Meg Simms (MS) arrive on-site. Ethan Upton (EU) + PDS on-site.
0815	MS conducts tailgate H + S briefing.
0830	Decon + start drilling for soil + groundwater samples (See log).
0840	MS + EU take AOC 1-EQB 53. Resume activities + EU collect well sample from Lhoist.
0915	Todd Kafka (TK) was notified of broken rods at AOC 1-SB 49. No sample was collected from 33-35'.
0926	MS collect AOC 1-EQB 54. Resume activities
1015	MS collect AOC 1-FRB 27. ~~PT~~ (MS) Resume activities
1050	MS post calibrate water sampling equipment. EU GPS all boring locations.
1140	PDS start grouting at all boring locations
1207	PDS off-site to grab ice.
1310	PDS back on-site. Resume activities
1440	PDS complete grouting at all boring locations
1515	Wrap up, stage drums, + leave site.
1605	MS + EU stop at gas station to get ice for samples. + leave ~~for~~ (MS) to go back to Tampa.

Geosyntec
Tailgate Safety Briefing Sign-In Log

Briefing Conducted By:	Signature:	Date:	Time:
Meg Simms	Meg P. Simms	6/22/20	0805

Project Name: Florida State Fire College (FSFC)	Project Number: FR3511C/Phase 04

This sign-in log documents the topics of the tailgate safety briefing and individual attendance at the briefing. Personnel who perform work operations onsite are required to attend each safety briefing and acknowledge receipt of such briefings daily. **Please provide a brief narrative of the following topics as applicable to the Project**

Scope of Work	Soil sampling, DPT sampling
HASP / THA review	heat stress, slips / trips / falls, insects, heavy equipment, snakes
SOP Review	
PPE Requirements	steel toe boots, hi-vis clothing, hearing protection - hard hat by drilling equipment
Incident Review Safety Alerts	
Other:	

Personnel Sign-in List

Printed Name and Company	Signature	Printed Name and Company	Signature
1. Bud Connor / Geotek		7.	
2. A. Save / Geosyntec		8.	
3. Ethan Hall / Geosyntec		9.	
4. Olivia Cain / Geosyntec		10.	
5. Justin Sullivan		11.	
6. Jane Vent		12.	

Geosyntec
Tailgate Safety Briefing Sign-In Log

Briefing Conducted By:	Signature:	Date:	Time:
Meg Simms	Meg P. Simms	6/23/20	0810

Project Name: Florida State Fire College (FSFC)	Project Number: FR3511C/Phase 04

This sign-in log documents the topics of the tailgate safety briefing and individual attendance at the briefing. Personnel who perform work operations onsite are required to attend each safety briefing and acknowledge receipt of such briefings daily. **Please provide a brief narrative of the following topics as applicable to the Project**

Scope of Work	Soil sampling, DPT sampling
HASP / THA review	heat stress, slips / trips / falls, insects, snakes, heavy equipment
SOP Review	
PPE Requirements	steel toe boots, safety glasses, hearing protection, hard hat, hi vis clothing
Incident Review Safety Alerts	
Other:	

Personnel Sign-in List

Printed Name and Company	Signature	Printed Name and Company	Signature
1. Justin Sullivan PDS		7.	
2. Sam Veal PDS	Sam Veal	8.	
3. Ethan Upton / Geosyntec		9.	
4.		10.	
5.		11.	
6.		12.	

Geosyntec
Tailgate Safety Briefing Sign-In Log

Briefing Conducted By:	Signature:	Date:	Time:
Meg Simms	Meg P. Simms	6/24/20	710

Project Name: Florida State Fire College (FSFC)	Project Number: FR3511C/Phase 04

This sign-in log documents the topics of the tailgate safety briefing and individual attendance at the briefing. Personnel who perform work operations onsite are required to attend each safety briefing and acknowledge receipt of such briefings daily. **Please provide a brief narrative of the following topics as applicable to the Project**

Scope of Work	DPT sampling
HASP / THA review	heat stress, trips / slips / falls, insects, snakes, heavy equipment
SOP Review	
PPE Requirements	safety shoes, safety glasses, hard hat, hi-vis clothing, hearing protection
Incident Review Safety Alerts	
Other:	

Personnel Sign-in List

Printed Name and Company	Signature	Printed Name and Company	Signature
1. Justin Sullivan / PDS		7.	
2. Cane Veal PDS	Cane Veal	8.	
3. Ethan Upton / Geosyntec	Ethan Upton	9.	
4.		10.	
5.		11.	
6.		12.	

Geosyntec
Tailgate Safety Briefing Sign-In Log

Briefing Conducted By:	Signature:	Date:	Time:
Meg Simms	Meg P. Simms	6/25/20	0810

Project Name: Florida State Fire College (FSFC)	Project Number: FR3511C/Phase 04

This sign-in log documents the topics of the tailgate safety briefing and individual attendance at the briefing. Personnel who perform work operations onsite are required to attend each safety briefing and acknowledge receipt of such briefings daily. **Please provide a brief narrative of the following topics as applicable to the Project**

Scope of Work	DPT sampling
HASP / THA review	slips/trips/falls, heat stress, insects, snakes, heavy equipment
SOP Review	
PPE Requirements	safety shoes, safety glasses, hard hat, hearing protection, hi-vis clothing
Incident Review Safety Alerts	
Other:	

Personnel Sign-in List

Printed Name and Company	Signature	Printed Name and Company	Signature
1. Justin Sullivan / PDS		7.	
2. Lane Veal PDS	Lane Veal	8.	
3. Ethan Upton / Geosyntec	Eupton	9.	
4.		10.	
5.		11.	
6.		12.	

Geosyntec
Tailgate Safety Briefing Sign-In Log

Briefing Conducted By:	Signature:	Date:	Time:
Meg Simms	Meg P. Simms	6/26/20	0815

Project Name: Florida State Fire College (FSFC)	Project Number: FR3511C/Phase 04

This sign-in log documents the topics of the tailgate safety briefing and individual attendance at the briefing. Personnel who perform work operations onsite are required to attend each safety briefing and acknowledge receipt of such briefings daily. **Please provide a brief narrative of the following topics as applicable to the Project**

Scope of Work	DPT sampling
HASP / THA review	heat stress, slips / trips / falls, insects, snakes, heavy equipment
SOP Review	
PPE Requirements	hard hat, steel toe boots, hearing protection, safety glasses, hi vis clothing
Incident Review Safety Alerts	
Other:	

Personnel Sign-in List

Printed Name and Company	Signature	Printed Name and Company	Signature
1. Jane Veal PDS	Jane Veal	7.	
2. Justin Sullivan / PDS		8.	
3. Ethan Upton / Geosyntec		9.	
4.		10.	
5.		11.	
6.		12.	

Table 1: Proposed AOC 1 Soil and Groundwater Sampling Locations, Matrices, Analytes, Rationale, and Criteria
Florida State Fire College June 2020

Area of Concern (AOC)	Location ID	Sample ID	Date and Time	Matrix	Depth (ft BLS)	Drilling Method	Comments
Soil Samples							
AOC 1 - Former Drum and Tote Area	AOC 1-SB 1	AOC 1-SB 1 (4-6')	6/25/20 1044	Soil	4-6	DPT	CLAY, gray, green + orange, with limestone fragments
		AOC 1-SB 1 (10-12')	" 1048		10-12		SAA
		AOC 1-SB 1 (13-15')	" 1055		13-15		SAA
	AOC 1-SB 2	AOC 1-SB 2 (4-6')	6/24/20 1652		4-6	DPT	CLAY, gray, brown + orange, v. dense, moist
		AOC 1-SB 2 (10-12')	" 1659		10-12		SAA but moist to dry
	AOC 1-SB 6	AOC 1-SB 6 (4-6')	6/25/20 1103		4-6	DPT	CLAY, gray, green to orange w/ limestone fragments, moist
		AOC 1-SB 6 (6-8')	" 1109		6-8		SAA
		AOC 1-SB 6 (10-12')	" 1110		10-12		SAA but w/ limestone from 7-16" dry
	AOC 1-SB 7	AOC 1-SB 7 (4-6')	~~6/25/20~~ 6/25/20 1120		4-6	DPT	Sandy clay, gray with orange mottling, slightly moist, cohesive
		AOC 1-SB 7 (10-12')	" 1126		10-12		Sandy clay with low plasticity, gray with orange mottling, cohesive, moist
		AOC 1-SB 7 (13-15')	" 1129		13-15		Poorly indurated limestone, coarse grained, white, dry
	AOC 1-SB 9	AOC 1-SB 9 (4-6')	" 1436		4-6	DPT	Silty SAND, dark brown, organic like odor, moist.
	AOC 1-SB 12	AOC 1-SB 12 (2-4')	6/22/20 1647		2-4	HA	Clayey Sand, light brown, cohesive, slightly moist.
		AOC 1-SB 12 (4-6')	6/25/20 1139		4-6	DPT	Fine grained sand with some clay, brown and gray, slightly cohesive, slightly moist

Table 1: Proposed AOC 1 Soil and Groundwater Sampling Locations, Matrices, Analytes, Rationale, and Criteria
Florida State Fire College June 2020

Area of Concern (AOC)	Location ID	Sample ID	Date and Time	Matrix	Depth (ft BLS)	Drilling Method	Comments
AOC 1 - Former Drum and Tote Area	AOC 1-SB 12	AOC 1-SB 12 (6-8')	6/25/20 1142	Soil	6-8	DPT	Clayey Sand, gray with orange mottling, cohesive, slightly moist
		AOC 1-SB 12 (10-12')	1155		10-12		Poorly indurated limestone, very light yellow, coarse grained, dry.
		AOC 1-SB 12 (13-15')	1157		13-15		SAA
	AOC 1-SB 14	AOC 1-SB 14 (6-8)	1205		6-8	DPT	Fine grained Sand with some Clay, gray + light brown with orange mottling, cohesive, sewer-like odor
		AOC 1-SB 14 (10-12)	6/25/20 1210		10-12		Fine grained Sand, dark gray, slightly, cmt change to limestone/chert lense, coarse grained slightly moist
	AOC 1-SB 17	AOC 1-SB 17 (4-6')	6/25/20 1159		4-6	HA	Sand, light brown, fine, moist.
	AOC 1-SB 18	AOC 1-SB 18 (2-4')	6/25/20 1203		2-4	HA	clayey Sand, brown and grey, cohesive, slightly moist
		AOC 1-SB 18 (4-6')	6/25/20 1427		4-6	DPT	SAA
	AOC 1-SB 19	AOC 1-SB 19 (4-6')	6/25/20 1022		4-6	DPT	CLAY, dark blue, gray, + brown, w/ trace limestone, strong organic odor
		AOC 1-SB 19 (6-8')	" 1027		6-8		CLAY, gray, green, + brown w/ trace limestone
		AOC 1-SB 19 (10-12')	" 1032		10-12		CLAY, gray + brown w/ trace limestone
		AOC 1-SB 19 (13-15')	" 1036		13-15		~~CLAY~~ SAA until last 8" is limestone with chert nodules.
	AOC 1-SB 21	AOC 1-SB 21 (2-4')	6/23/20 1111		2-4	HA	Clayey Sand, brown and grey w/ orange mottling, cohesive, slightly moist
		AOC 1-SB 21 (4-6')	6/24/20 1618		4-6	DPT	Silty SAND, brown + gray w/ orange mottling, moist
		AOC 1-SB 21 (6-8')	1622		6-8		SAA

Table 1: Proposed AOC 1 Soil and Groundwater Sampling Locations, Matrices, Analytes, Rationale, and Criteria
Florida State Fire College June 2020

Area of Concern (AOC)	Location ID	Sample ID	Date and Time	Matrix	Depth (ft BLS)	Drilling Method	Comments
AOC 1 - Former Drum and Tote Area	AOC 1-SB 21	AOC 1-SB 21 (10-12')	6/24/20 1627	Soil	10-12	DPT	Sand with some clay, gray, cohesive, slightly moist
		AOC 1-SB 21 (13-15')	" 1635		13-15		Sandy clay, gray with orange mottling, cohesive, slightly moist
	AOC 1-SB 22	AOC 1-SB 22 (2-4')	6/23/20 1037		2-4	HA	Clayey Sand, brown and gray with orange mottling, cohesive, slightly moist
		AOC 1-SB 22 (4-6')	6/24/20 1556		4-6	DPT	Silty SAND, brown, gray + orange, v. loose, moist
		AOC 1-SB 22 (6-8')	" 1559		6-8		SAA "
		AOC 1-SB 22 (10-12')	" 1607		10-12		SAA
	AOC 1-SB 28	AOC 1-SB 28 (0-0.5')	6/23/20 1001		0-0.5	HA	Sand, dark gray, fine, slightly moist
		AOC 1-SB 28 (0.5-2')	6/23/20 1003		0.5-2		Sand with trace silt, brown, fine, slightly moist
		AOC 1-SB 28 (2-4')	6/23/20 1004		2-4		Sand with little silt, brown, fine, moist.
		AOC 1-SB 28 (4-6')	6/24/20 ~~1633~~ ~~6/24/20 1569~~ (MS)		4-6	DPT	Fine Sand with trace clay, reddish brown, slightly cohesive, slightly moist
		AOC 1-SB 28 (6-8')	" 1639		6-8		Clayey Sand, blue-green with orange mottling, cohesive, slightly moist
		AOC 1-SB 28 (10-12')	" 1645		10-12		CLAY, gray + brown, w/ little limestone fragments, moist
	AOC 1-SB 32	AOC 1-SB 32 (4-6')	6/24/20 1529		4-6	DPT	CLAY, gray + orange, moist
		AOC 1-SB 32 (10-12')	" 1539		10-12		0-9": SAA 9-14": Silty SAND, brown, root fragments 14-20": CLAY w/ trace lime stone fragments, gray + orange
		AOC 1-SB 32 (13-15')	" 1545		13-15		CLAY, orange, gray + green, ^ chert fragments little

Table 1: Proposed AOC 1 Soil and Groundwater Sampling Locations, Matrices, Analytes, Rationale, and Criteria
Florida State Fire College June 2020

Area of Concern (AOC)	Location ID	Sample ID	Date and Time	Matrix	Depth (ft BLS)	Drilling Method	Comments
AOC 1 - Former Drum and Tote Area	AOC 1-SB 36	AOC 1-SB 36 (4-6')	6/24/20 0918	Soil	4-6	DPT	CLAY, gray + orange, moist to dry
		AOC 1-SB 36 (10-12')	0924		10-12		SAA "
		AOC 1-SB 36 (13-15')	0929		13-15		0-9": CLAY, gray + orange, moist to dry 9"-22": Silty SAND, gray + orange, moist
		AOC 1-SB 36 (23-25')	0935		23-25		Silty SAND, gray + brown, moist
		AOC 1-SB 36 (33-35')	0943		33-35		CLAY, gray + orange, moist
	AOC 1-SB 37	AOC 1-SB 37 (4-6')	1130	Soil	4-6	DPT	CLAY, ~~gray~~ w/ trace limestone, gray + orange, moist
		AOC 1-SB 37 (10-12')	1135		10-12		SAA w/ 5" of brown silty SAND at 10'8".
		AOC 1-SB 37 (13-15')	1142		13-15		CLAY w/ little limestone, gray + orange, moist
		AOC 1-SB 37 (23-25')	1201		23-25		SAA "
		AOC 1-SB 37 (33-35')	6/24/20 1208		33-35		0-8": SAA 8-22": LIMESTONE, white dry
	AOC 1-SB 38	AOC 1-SB 38 (4-6')	6/25/20 0850	Soil	4-6	DPT	Brown SAND, moist Note: Only 12" of recovery from 4'-10'.
		AOC 1-SB 38 (10-12')	0856		10-12		CLAY, gray + brown, moist
		AOC 1-SB 38 (13-15')	0902		13-15		SAA
		AOC 1-SB 38 (23-25')	0910		23-25		SAA
		AOC 1-SB 38 (33-35')	6/25/20 0918		33-35		SAA but w/ limestone fragments

Table 1: Proposed AOC 1 Soil and Groundwater Sampling Locations, Matrices, Analytes, Rationale, and Criteria
Florida State Fire College June 2020

Area of Concern (AOC)	Location ID	Sample ID	Date and Time	Matrix	Depth (ft BLS)	Drilling Method	Comments
AOC 1 - Former Drum and Tote Area	AOC 1-SB 48	AOC 1-SB 48 (33-35')	6/23/20	Soil	33-35	DPT	bit refusal @ 28'
	AOC 1-SB 49	AOC 1-SB 49 (0-0.5')	6/22/20 1707		0-0.5	HA	Silty SAND, dark brown
		AOC 1-SB 49 (0.5-2')	" 1712		0.5-2		Silty SAND, brown
		AOC 1-SB 49 (2-4')	" 1717		2-4		CLAY, gray w/ orange mottling
		AOC 1-SB 49 (4-6')	6/24/20 1339		4-6	DPT	CLAY, gray + orange, moist
		AOC 1-SB 49 (6-8')	1345		6-8		SAA but w/ trace limestone fragments
		AOC 1-SB 49 (10-12')	1352		10-12		SAA
		AOC 1-SB 49 (13-15)	1359		13-15		0-9": SAA 9-22": CLAY w/ trace limestone, white, dry to moist
		AOC 1-SB 49 (23-25)	6/24/20 1404		23-25		LIMESTONE, white, moist refusal @ 31'
		AOC 1-SB 49 (33-35)	6/25/20		33-35		offset + re-attempt refusal @ 30' + broke rod
	AOC 1-SB 50	AOC 1-SB 50 (0-0.5')	6/22/20 1442		0-0.5	HA	Sand dk brown, dry, loose, fine roots
		AOC 1-SB 50 (0.5-2')	6/22/20 14:43		0.5-2		Sand brown to orange, grades to clayey Sand, abund fine roots
		AOC 1-SB 50 (2-4')	6/22/20 1444		2-4		Clayey Sand lt gray + orange mottled, dry, cohesive
		AOC 1-SB 50 (4-6')	6/23/20 1637		4-6	DPT	CLAY, green to orange
		AOC 1-SB 50 (6-8')	" 1643		6-8		SAA "

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Florida State Fire College June 2020

Area of Concern (AOC)	Location ID	Sample ID	Date and Time	Matrix	Depth (ft BLS)	Drilling Method	Comments
AOC 1 - Former Drum and Tote Area	AOC 1-SB 50	AOC 1-SB 50 (10-12')	6/23/20 1650	Soil	10-12	DPT	0-13": CLAY, green to brown 13-18": LIMESTONE, white, dry 18-24": CLAY w/ limestone fragments
		AOC 1-SB50 (13-15)	" 1655		13-15		CLAY, green to orange (green to orange)
		AOC 1-SB 50 (23-25)	" 1706		23-25		LIMESTONE, white, dry wif refusal @ 27' @1710; moved 2' S but refusal @ 23'
		AOC 1-SB 50 (33-35)			33-35		
	AOC 1-SB 51	AOC 1-SB 51 (0-0.5')	6/22/20 1503		0-0.5	HA	Sand, dark grey, fine, slightly moist.
		AOC 1-SB 51 (0.5-2')	6/22/20 1504		0.5-2		Sand with few Clay, light brown, fine, slightly moist
		AOC 1-SB 51 (2-4')	6/22/20 1506		2-4		Clayey Sand, light brown with orange mottling, cohesive, slightly moist
		AOC 1-SB 51 (4-6')	6/23/20 1310		4-6	DPT	CLAY, green
		AOC 1-SB 51 (6-8')	" 1318		6-8		CLAY w/ trace limestone, green
		AOC 1-SB 51 (10-12')	" 1330		10-12		CLAY, green to gray, 3" of dark brown silty SAND at 7"
		AOC 1-SB 51 (13-15)	" 1334		13-15		CLAY w/ trace rocks, green
		AOC 1-SB 51 (23-25)	" 1344		23-25		SAA "
		AOC 1-SB 51 (33-35)	" 1350		33-35		LIMESTONE, white, dry
	AOC 1-SB 52	AOC 1-SB 52 (0-0.5')	6/22/20 1254		0-0.5	HA	Sand, grayish brown, fine, dry
		AOC 1-SB 52 (0.5-2')	6-22-20 1256		0.5-2		Sand, yllwsh brown, fine dry

Table 1: Proposed AOC 1 Soil and Groundwater Sampling Locations, Matrices, Analytes, Rationale, and Criteria
Florida State Fire College June 2020

Area of Concern (AOC)	Location ID	Sample ID	Date and Time	Matrix	Depth (ft BLS)	Drilling Method	Comments
AOC 1 - Former Drum and Tote Area	AOC 1-SB 52	AOC 1-SB 52 (2-4')	6/22/20 1302	Soil	~~USE 2-4'~~ 2-4'	HA	Sand SAA Refusal @ 3' on LS w/clay
		AOC 1-SB 52 (4-6')	6/22/20 1445		4-6	DPT	~~Sand SAA LIMESTONE from 4-45'~~ CLAY w/ limestone fragm. from 4.5 - 6'. ~~Refusal @ 3' on LS w/clay~~
		AOC 1-SB 52 (6-8')	1451		6-8		CLAY w/ limestone fragments, gray + brown. Color is gray + brown
		AOC 1-SB 52 (10-12')	1506		10-12		" "
		AOC 1-SB 52 (13-15)	1510		13-15		" "
		AOC 1-SB 52 (23-25)	1518		23-25		" "
		AOC 1-SB 52 (33-35)	1536		33-35		CLAY w/ limestone fragments until 32' 0.5" of black silty sand @ 32' ~~CLAY~~ LIMESTONE, white, dry until 35'.
	AOC 1-SB 53	AOC 1-SB 53 (0-0.5')	1134		0-0.5	MEG HA	Silty SAND, dark brown
		AOC 1-SB 53 (0.5-2')	✓ 1141		0.5-2		CLAY, light brown w/ dark gray staining, strong sewer like odor
		AOC 1-SB 53 (2-4')	✓ 1143		2-4		LIMESTONE, white, ~~gray~~, moist (MS)
		AOC 1-SB 53 (4-6')	1207		4-6	DPT	SAA "
		AOC 1-SB 53 (6-8')	1209		6-8		SAA "
		AOC 1-SB 53 (10-12')	1213		10-12		SAA "
		AOC 1-SB 53 (13-15)	1215		13-15		SAA "
		AOC 1-SB 53 (23-25)	6/22/20 1224		23-25		LIMESTONE ~~w/ clay~~ (MS), white, ~~gray~~ dry (MS), 2" of clay (brown at top.

Table 1: Proposed AOC 1 Soil and Groundwater Sampling Locations, Matrices, Analytes, Rationale, and Criteria
Florida State Fire College June 2020

Area of Concern (AOC)	Location ID	Sample ID	Date and Time	Matrix	Depth (ft BLS)	Drilling Method	Comments
AOC 1 - Former Drum and Tote Area	AOC 1-SB 53	AOC 1-SB 53 (33-35)	6/22/20 1245	Soil	33-35	DPT	LIMESTONE, white 2" of clay (brown) at top
	AOC 1-SB 54	AOC 1-SB 54 (0-0.5')	" 1314		0-0.5	HA	Sand, dark brown, loose, slightly moist
		AOC 1-SB 54 (0.5-2')	6/22/20 (MS) ~~1314~~ 1318		0.5-2		Clayey Sand, light brown with orange mottling, cohesive, slightly moist.
		AOC 1-SB 54 (2-4')	6/22/20 (MS) ~~1314~~ 1329		2-4		Calcareous Clay with POORLY indurated limestone Sand, light grayish brown, slightly moist.
		AOC 1-SB 54 (4-6')	6/23/20 (MS) ~~1329~~ 0959		4-6	DPT	0-14" CLAY, brown, moist ~~to 14"~~ (MS) 14-20" LIMESTONE w/ little chert gravel, white, dry
		AOC 1-SB 54 (6-8')	1002		6-8		LIMESTONE w/ little chert gravel, white, dry
		AOC 1-SB 54 (10-12')	1013		10-12		3" of dark brown clay at top LIMESTONE w/ trace chert gravel, white dry
		AOC 1-SB 54 (13-15)	1020		13-15		LIMESTONE w/ trace chert gravel, white, dry
		AOC 1-SB 54 (23-25)	1028		23-25		LIMESTONE, white, dry
		AOC 1-SB 54 (33-35)	6/23/20 1035		33-35		(MS) ~~Silty~~ 3" of silty sand at top. LIMESTONE, white, dry
	AOC 1-SB 55	AOC 1-SB 55 (0-0.5')	6/22/20 1727		0-0.5	HA	Sand yellowish brown, fine, dry. Common organics
		AOC 1-SB 55 (0.5-2')	6/22/20 1728		0.5-2		Sandy Clayey Sand, brown/orange, mottled, clay increases w/ depth
		AOC 1-SB 55 (2-4')	6/23/20 0939		2-4		Sand with some clays, brown with orange mottling, cohesive, slightly moist
		AOC 1-SB 55 (4-6')			4-6	DPT	
		AOC 1-SB 55 (6-8')			6-8		

Table 1: Proposed AOC 1 Soil and Groundwater Sampling Locations, Matrices, Analytes, Rationale, and Criteria
Florida State Fire College June 2020

Area of Concern (AOC)	Location ID	Sample ID	Date and Time	Matrix	Depth (ft BLS)	Drilling Method	Comments
AOC 1 - Former Drum and Tote Area	AOC 1-SB 55	AOC 1-SB 55 (10-12')		Soil	10-12	DPT	
		AOC 1-SB 55 (13-15)			13-15		
		AOC 1-SB 55 (23-25)			23-25		
		AOC 1-SB 55 (33-35)			33-35		
	AOC 1-SB 56	AOC 1-SB 56 (0-0.5')	6/23/20 1440		0-0.5	HA	Sand, grayish brown, fine, slightly moist
		AOC 1-SB 56 (0.5-2')	6/23/20 1450		0.5-2		Sand with trace silt, light-brown and trace lightly, fine, moist
		AOC 1-SB 56 (2-4')	6/23/20 1452		2-4		Sand with little clay, brown with some orange, fine, slightly cohesive, moist
		AOC 1-SB 56 (4-6')	6/24/20 0753		4-6	DPT	CLAY, brown, gray + orange, moist
		AOC 1-SB 56 (6-8')	0758		6-8		SAA " "
		AOC 1-SB 56 (10-12')	0802		10-12		SAA " "
		AOC 1-SB 56 (13-15)	0807		13-15		CLAY, brown, gray + orange, moist to dry
		AOC 1-SB 56 (23-25)	6/24/20 0835		23-25		CLAY, gray + orange, trace limestone fragments, moist
		AOC 1-SB 56 (33-35)	6/25/20 1518		33-35		hit refusal @ 28' (limestone) offset CLAY, gray + orange, dry
	AOC 1-SB 57	AOC 1-SB 57 (0-0.5')	6/24/20 1557		0-0.5	HA	Sand grayish brown, fine common hard clayey nodules
		AOC 1-SB 57 (0.5-2')	6/22/20 1550		0.5-2		Sand SAA, Minor clay at bottom

Table 1: Proposed AOC 1 Soil and Groundwater Sampling Locations, Matrices, Analytes, Rationale, and Criteria
Florida State Fire College June 2020

Area of Concern (AOC)	Location ID	Sample ID	Date and Time	Matrix	Depth (ft BLS)	Drilling Method	Comments
AOC 1 - Former Drum and Tote Area	AOC 1-SB 57	• AOC 1-SB 57 (2-4')	6/22/20 1559	Soil	2-4	HA	clayey Sand, brown, orng, gray, mottled clay increase w/ depth
	AOC 1-SB 58	• AOC 1-SB 58 (0-0.5')	6/22/20 11:10		0-0.5	HA	Sand + clayey Sand, yellowish brn, clay increases w/ depth, fine dry
		• AOC 1-SB 58 (0.5-2')	6/22/20 11:15		0.5-2		Clayey Sand (+brown, Sy/10, fine, dry, friable cohesive
		• AOC 1-SB 58 (2-4')	6/22/20 11:23		2-4		Clayey Sand, orng, white, mottled plastic, v. clayey, LS frags
	AOC 1-SB 59	• AOC 1-SB 59 (0-0.5')	6/22/20 10:50		0-0.5	HA	Sand, dk yellowish brown, fine dry, abundant fine roots
		• AOC 1-SB 59 (0.5-2')	6/22/20 10:51		0.5-2		Sand to 1½', Clayey Sand to 2' Sand SAA, Clayey Sand, Lt brown, cohesive
		• AOC 1-SB 59 (2-4')	6/22/20 10:52		2-4		Clayey Sand, Lt gray + orng mottled, cohesive, somewhat dry
Groundwater Samples							
AOC 1 - Former Drum and Tote Area	SP-7	• SP-7 (46-50' ~~36-40'~~)	6/25/20 1600	Groundwater	46-50 ~~36-40~~	DPT	* cloudiness did not subside, sample is cloudy, white; @ SB-56 (0-1 foot)
	SP-8	• SP-8 (46-50' ~~36-40'~~)	" 1712		46-50 ~~36-40~~		SAA
		• DUP-4 [SP-8 (46-50' ~~36-40'~~)]	" 1712				SAA
	SP-9	• SP-9 (46-50' ~~36-40'~~)	6/26/20 1005		36-40		SAA ; @ SB-51 (0-1 foot)
Laboratory Quality Assurance/Quality Control Samples							
Location	**Sample Type**	**Sample ID**	**Date and Time**	**Matrix**	**Equipment Sampled**		**Comments**
AOC 1 - Former Drum and Tote Area	Equipment Blanks (ratio of 1:10)	• AOC 1-EQB 42	6/22/20 1408	Water	HA from SB54 0.5-2'		SB-50 (0.5-2) sampled after
		• AOC 1-EQB 43	6/22/20 1639		HA from SB57 2-4'		SB-49 (2-4) sampled after
		• AOC 1-EQB 44	6/25/20 1356		HA from SB17 (4-6)		From (0' Hatchet ~~#004559~~ SB-56 (2-4) sampled after

Table 1: Proposed AOC 1 Soil and Groundwater Sampling Locations, Matrices, Analytes, Rationale, and Criteria
Florida State Fire College June 2020

Location	Sample Type	Sample ID	Date and Time	Matrix	Equipment Sampled	Comments	
AOC 1 - Former Drum and Tote Area	Equipment Blanks (ratio of 1:10)	AOC 1-EQB 45	6/23/20 1407	Water	DPT ~~tote~~ Rod	From Container # 004559	
		AOC 1-EQB 46	6/23/20 1800		DPT Rod	From Container # 005265	
		AOC 1-EQB 47	6/24/20 1507		DPT Rod	From Container #005230	
		AOC 1-EQB 48	6/24/20 1658		DPT Rod	From Container #005230	
		AOC 1-EQB 49	6/25/20 0928		DPT Rod	From Container #005301	
		AOC 1-EQB 50	" 1146		DPT Rod	From Container #004542	
		AOC 1-EQB 51	" 1356		DPT Rod	From Container #005265	
		AOC 1-EQB 52	" 1651		DPT screen	From Container #005245	Before: SP-7, After: SP-8
		AOC 1-EQB 53	6/26/20 0840		DPT Rod	From Container #004543	
		AOC 1-EQB 54	" 0926		DPT screen	From Container #004542	Before: SP-8, After: SP-9
		AOC 1-EQB 55					
		AOC 1-EQB 56					
	Field Reagent Blanks (1 per cooler)	AOC 1-FRB 22	6/22/20 1517	N/A			
		AOC 1-FRB 23	6/22/20 1637			Cont # non decon 005245	
		AOC 1-FRB 24	6/23/20 1700			Cont # 005265	

Table 1: Proposed AOC 1 Soil and Groundwater Sampling Locations, Matrices, Analytes, Rationale, and Criteria
Florida State Fire College June 2020

Location	Sample Type	Sample ID	Date and Time	Matrix	Equipment Sampled	Comments
AOC 1 - Former Drum and Tote Area	Field Reagent Blanks (1 per cooler)	AOC 1-FRB 25	6/24/20 1427	Water	N/A	From Container # 005230
		AOC 1-FRB 26	6/25/20 0940			From Container # 005301
		AOC 1-FRB 27	6/25/20 1015			From Container # 005301

Notes:

1. DPT indicates direct push technology.
2. ft BLS indicates feet below land surface.
3. SB indicates soil boring.
4. HA indicates hand auger.
5. PFAS indicates per- and polyfluoroalkyl substances.
6. N/A indicates not applicable.

LHOIST WATER SUPPLY WELL #8

Geosyntec consultants

~~DPT~~ GEOCHEMICAL DATA FORM

Site Name/Location: Florida State Fire College (FSFC)

Project No: FR3511C/04

Date: 6/26/20 Sampler: E. Upton

Time	DPT Location	Screened Interval (ft BLS)	pH (SU)	Conductivity (mS/cm)	Turbidity (NTUs)	DO (mg/L)	Temp (°C)	Salinity (%)	TDS (g/L)	ORP (mV)	Color / Notes
0929			7.17	486	1.23	6.32	22.11			146.7	Clear
0931			7.15	483	0.87	6.16	22.10			147.9	"
0933			7.13	480	0.78	5.66	22.06			150.9	"

Geosyntec consultants

Water Quality Instrument Calibration Form

Project/Site: Florida State Fire College (FSFC) Project #: FR3511C/Phase 04 Field Personnel: Meg Simms

Water Quality Meter - Model/Serial#: YSI 556MPS / 12K100749 Turbidimeter - Model/Serial#: HACH 2100Q / 18090C069733

Dissolved Oxygen (FDEP SOP FT 1500)	Date	Time	Temp (°C)	Saturation (mg/L)*	Reading (mg/L)	Reading (%)	Pass or Fail
					Acceptance Criteria:+/-0.3 mg/L		
CAL (ICV) CCV	6/25/20	1540	35.7	6.87	6.86	99.9	(P) F
CAL ICV (CCV)	6/26/20	1112	30.91	7.443	~~7.04~~ 7.15	103.8	P (F)
CAL ICV CCV							P F
CAL ICV CCV							P F

Specific Conductance (FDEP SOP FT 1200)	Date	Time	Standard Lot #	Standard Exp. Date	Standard (mS/cm)	Reading (mS/cm)	Pass or Fail
Specific Conductance Probe Cleaned? Yes No					Acceptance Criteria: +/- 5%		
CAL (ICV) CCV	6/25/20	1316	9GK395	11/20	1.413	1.389	(P) F
CAL ICV (CCV)	6/26/20	1057	"	"	"	1.409	(P) F
CAL ICV CCV							P F
CAL ICV CCV							P F

pH (FDEP SOP FT 1100)	Date	Time	Standard Lot #	Standard Exp. Date	Standard (SU)	Reading (SU)	Pass or Fail
					Acceptance Criteria: +/- 0.2 SU		
CAL (ICV) CCV	6/25/20	1320	9GG002	7/21	7	7.02	(P) F
CAL ICV (CCV)	6/26/20	1101	"	"	"	7.04	(P) F
CAL (ICV) CCV	6/25/20	1324	9GL004	12/21	4	4.04	(P) F
CAL ICV (CCV)	6/26/20	1105	"	"	"	4.07	(P) F
CAL (ICV) CCV	6/25/20	1329	9GA565	1/21	10	9.99	(P) F
CAL ICV (CCV)	6/26/20	1109	"	"	"	10.02	(P) F

ORP (FDEP SOP N/A)	Date	Time	Standard Lot #	Standard Exp. Date	Standard (mV @ Temp °C)	Reading (mV)	Pass or Fail
Dissolved Oxygen Membrane Changed? Yes No					Geosyntec Acceptance Criteria: +/- 5%		
CAL (ICV) CCV	6/25/20	1312	3054	06/23	240.0	231.9	(P) F
CAL ICV (CCV)	6/26/20	1055	"	"	"	230.4	(P) F
CAL ICV CCV							P F
CAL ICV CCV							P F

Turbidity 0.1-10 NTU	Date	Standard (NTU)	Reading (NTU)	Pass or Fail
		Acceptance Criteria: +/- 10%		
CAL (ICV) CCV	6/25/20	10	10.2	(P) F
CAL ICV (CCV)	6/26/20	"	10.6	(P) F
CAL ICV CCV				P F
CAL ICV CCV				P F

Turbidity 11-40 NTU	Date	Standard (NTU)	Reading (NTU)	Pass or Fail
		Acceptance Criteria: +/- 8%		
CAL (ICV) CCV	6/25/20	20	20.2	(P) F
CAL ICV (CCV)	6/26/20	"	20.0	(P) F
CAL ICV CCV				P F
CAL ICV CCV				P F

Turbidity 41-100 NTU	Date	Standard (NTU)	Reading (NTU)	Pass or Fail
		Acceptance Criteria: +/- 6.5%		
CAL (ICV) CCV	6/25/20	100	101	(P) F
CAL ICV (CCV)	6/26/20	"	102	(P) F
CAL ICV CCV				P F
CAL ICV CCV				P F
CAL ICV CCV				P F
CAL ICV CCV				P F

Turbidity >100 NTU	Date	Standard (NTU)	Reading (NTU)	Pass or Fail
		Acceptance Criteria: +/- 5%		
CAL (ICV) CCV	6/25/20	800	796	(P) F
CAL ICV (CCV)	6/26/20	"	804	(P) F
CAL ICV CCV				P F
CAL ICV CCV				P F

Notes:

CAL = Initial Calibration

ICV = Initial Calibration Verification

CCV = Continuing Calibration Verification

* See Table FS 2200-2 on the back of this form

Allow adequate time for the dissolved oxygen sensor to equilibrate during air calibration

Calibrate specific conductance using at least two standards that bracket the range of expected sample readings (unless readings <0.1 mS/cm is acceptable)

Calibrate pH using at least two standards (typ. pH 4 and 7) that bracket the range of expected sample readings; always start with pH 7; add a third calibration point if needed

If parameter fails to calibrate within SOP acceptance criteria then append sample results with a "J" qualifier

FIELD DRUM INVENTORY TRACKING LOG

Project Name: **Florida State Fire College**

Drum Number	Generation Date	Content % Full	Contents (soil, development water, purge water, etc.)	Source Location (Well #, Boring #, etc.)
11	6/22/20	50	decon water	sitewide
12	"	100	"	"
13	"	45	"	"
14	"	100	soil	"
15	6/22/20	75	"	"

Daily PFAS Sampling Checklist

Date: 6/22/20

Site Name: Florida State Fire College

Weather (*temperature/precipitation*): Sunny

Please check all boxes that apply and describe any exceptions in the notes section below along with QA/QC methods used to assess potential sample cross-contamination as a result.

Field Clothing and PPE:

- ☑ No water- or stain-resistant clothing (e.g., GORE-TEX®)
- ☑ During collection of water and sediment samples, no water- or stain-resistant boots OR water- or stain-resistant boots covered by PFAS-free over-boots
- ☑ Field boots (or over-boots) are made of polyurethane, PVC, rubber, or untreated leather
- ☑ Waders or rain gear are made of polyurethane, PVC, vinyl, wax-coated or rubber
- ☑ Clothing has not been recently laundered with a fabric softener
- ☑ No coated HDPE suits (e.g., coated Tyvek® suits)
- ☑ Field crew has not used cosmetics, moisturizers, or other related products today
- ☑ Field crew has not used sunscreen or insect repellants today, other than products approved as PFAS-free

Field Equipment:

- ☑ Sample containers and equipment in direct contact with the sample are made of HDPE, polypropylene, silicone, acetate or stainless steel, not LDPE or glass
- ☑ Sample caps are made of HDPE or polypropylene and are not lined with Teflon™
- ☑ No materials containing Teflon™, Viton™, or fluoropolymers
- ☑ No materials containing LDPE in direct contact with the sample (e.g., LDPE tubing, Ziploc® bags)
- ☑ No plastic clipboards, binders, or spiral hard cover notebooks
- ☑ No waterproof field books
- ☑ No waterproof or felt pens or markers (e.g., certain Sharpie® products)
- ☑ No chemical (blue) ice, unless it is contained in a sealed bag
- ☑ No aluminum foil
- ☑ No sticky notes (e.g., certain Post-It® products)

Decontamination:

- ☑ Reusable field equipment (e.g., inner drill rods, samplers) decontaminated prior to reuse
- ☑ "PFAS-free" water is on-site for decontamination of field equipment
- ☑ Alconox® or Liquinox® used as decontamination detergent

Food and Drink:

- [x] No food or drink on-site, except within staging area
- [x] Food in staging area is contained in HDPE or stainless steel container

Notes:

Field Team Leader Name (Print): Meg Simms

Field Team Leader Signature: Meg P. Simms

Date/Time: 6/22/20 0805

Daily PFAS Sampling Checklist

Date: 6/23/20

Site Name: Florida State Fire College

Weather (*temperature/precipitation*): Sunny

Please check all boxes that apply and describe any exceptions in the notes section below along with QA/QC methods used to assess potential sample cross-contamination as a result.

Field Clothing and PPE:

- ☑ No water- or stain-resistant clothing (e.g., GORE-TEX®)
- ☑ During collection of water and sediment samples, no water- or stain-resistant boots OR water- or stain-resistant boots covered by PFAS-free over-boots
- ☑ Field boots (or over-boots) are made of polyurethane, PVC, rubber, or untreated leather
- ☑ Waders or rain gear are made of polyurethane, PVC, vinyl, wax-coated or rubber
- ☑ Clothing has not been recently laundered with a fabric softener
- ☑ No coated HDPE suits (e.g., coated Tyvek® suits)
- ☑ Field crew has not used cosmetics, moisturizers, or other related products today
- ☑ Field crew has not used sunscreen or insect repellants today, other than products approved as PFAS-free

Field Equipment:

- ☑ Sample containers and equipment in direct contact with the sample are made of HDPE, polypropylene, silicone, acetate or stainless steel, not LDPE or glass
- ☑ Sample caps are made of HDPE or polypropylene and are not lined with Teflon™
- ☑ No materials containing Teflon™, Viton™, or fluoropolymers
- ☑ No materials containing LDPE in direct contact with the sample (e.g., LDPE tubing, Ziploc® bags)
- ☑ No plastic clipboards, binders, or spiral hard cover notebooks
- ☑ No waterproof field books
- ☑ No waterproof or felt pens or markers (e.g., certain Sharpie® products)
- ☑ No chemical (blue) ice, unless it is contained in a sealed bag
- ☑ No aluminum foil
- ☑ No sticky notes (e.g., certain Post-It® products)

Decontamination:

- ☑ Reusable field equipment (e.g., inner drill rods, samplers) decontaminated prior to reuse
- ☑ "PFAS-free" water is on-site for decontamination of field equipment
- ☑ Alconox® or Liquinox® used as decontamination detergent

Food and Drink:

- [x] No food or drink on-site, except within staging area
- [x] Food in staging area is contained in HDPE or stainless steel container

Notes:

Field Team Leader Name (Print): Meg Simms

Field Team Leader Signature: Meg P. Simms

Date/Time: 6/23/20 0810

Daily PFAS Sampling Checklist

Date: 6/24/20

Site Name: FSFC

Weather (*temperature/precipitation*): Sunny

Please check all boxes that apply and describe any exceptions in the notes section below along with QA/QC methods used to assess potential sample cross-contamination as a result.

Field Clothing and PPE:

- ☑ No water- or stain-resistant clothing (e.g., GORE-TEX®)
- ☑ During collection of water and sediment samples, no water- or stain-resistant boots OR water- or stain-resistant boots covered by PFAS-free over-boots
- ☑ Field boots (or over-boots) are made of polyurethane, PVC, rubber, or untreated leather
- ☑ Waders or rain gear are made of polyurethane, PVC, vinyl, wax-coated or rubber
- ☑ Clothing has not been recently laundered with a fabric softener
- ☑ No coated HDPE suits (e.g., coated Tyvek® suits)
- ☑ Field crew has not used cosmetics, moisturizers, or other related products today
- ☑ Field crew has not used sunscreen or insect repellants today, other than products approved as PFAS-free

Field Equipment:

- ☑ Sample containers and equipment in direct contact with the sample are made of HDPE, polypropylene, silicone, acetate or stainless steel, not LDPE or glass
- ☑ Sample caps are made of HDPE or polypropylene and are not lined with Teflon™
- ☑ No materials containing Teflon™, Viton™, or fluoropolymers
- ☑ No materials containing LDPE in direct contact with the sample (e.g., LDPE tubing, Ziploc® bags)
- ☑ No plastic clipboards, binders, or spiral hard cover notebooks
- ☑ No waterproof field books
- ☑ No waterproof or felt pens or markers (e.g., certain Sharpie® products)
- ☑ No chemical (blue) ice, unless it is contained in a sealed bag
- ☑ No aluminum foil
- ☑ No sticky notes (e.g., certain Post-It® products)

Decontamination:

- ☑ Reusable field equipment (e.g., inner drill rods, samplers) decontaminated prior to reuse
- ☑ "PFAS-free" water is on-site for decontamination of field equipment
- ☑ Alconox® or Liquinox® used as decontamination detergent

Food and Drink:

- [x] No food or drink on-site, except within staging area
- [x] Food in staging area is contained in HDPE or stainless steel container

Notes:

Field Team Leader Name (Print): Meg Simms

Field Team Leader Signature: Meg P. Simms

Date/Time: 6/24/20 0712

Daily PFAS Sampling Checklist

Date: 6/25/20

Site Name: FSEC

Weather (*temperature/precipitation*): cloudy

Please check all boxes that apply and describe any exceptions in the notes section below along with QA/QC methods used to assess potential sample cross-contamination as a result.

Field Clothing and PPE:

- ☑ No water- or stain-resistant clothing (e.g., GORE-TEX®)
- ☐ During collection of water and sediment samples, no water- or stain-resistant boots OR water- or stain-resistant boots covered by PFAS-free over-boots
- ☑ Field boots (or over-boots) are made of polyurethane, PVC, rubber, or untreated leather
- ☑ Waders or rain gear are made of polyurethane, PVC, vinyl, wax-coated or rubber
- ☑ Clothing has not been recently laundered with a fabric softener
- ☑ No coated HDPE suits (e.g., coated Tyvek® suits)
- ☑ Field crew has not used cosmetics, moisturizers, or other related products today
- ☑ Field crew has not used sunscreen or insect repellants today, other than products approved as PFAS-free

Field Equipment:

- ☑ Sample containers and equipment in direct contact with the sample are made of HDPE, polypropylene, silicone, acetate or stainless steel, not LDPE or glass
- ☑ Sample caps are made of HDPE or polypropylene and are not lined with Teflon™
- ☑ No materials containing Teflon™, Viton™, or fluoropolymers
- ☑ No materials containing LDPE in direct contact with the sample (e.g., LDPE tubing, Ziploc® bags)
- ☑ No plastic clipboards, binders, or spiral hard cover notebooks
- ☑ No waterproof field books
- ☑ No waterproof or felt pens or markers (e.g., certain Sharpie® products)
- ☐ No chemical (blue) ice, unless it is contained in a sealed bag
- ☑ No aluminum foil
- ☑ No sticky notes (e.g., certain Post-It® products)

Decontamination:

- ☑ Reusable field equipment (e.g., inner drill rods, samplers) decontaminated prior to reuse
- ☑ "PFAS-free" water is on-site for decontamination of field equipment
- ☑ Alconox® or Liquinox® used as decontamination detergent

Food and Drink:

- ☑ No food or drink on-site, except within staging area
- ☑ Food in staging area is contained in HDPE or stainless steel container

Notes:

Field Team Leader Name (Print): Meg Simms

Field Team Leader Signature: Meg P. Simms

Date/Time: 6/25/20 815

Daily PFAS Sampling Checklist

Date: 6/26/20

Site Name: FSFC

Weather (*temperature/precipitation*): cloudy

Please check all boxes that apply and describe any exceptions in the notes section below along with QA/QC methods used to assess potential sample cross-contamination as a result.

Field Clothing and PPE:

- ☑ No water- or stain-resistant clothing (e.g., GORE-TEX®)
- ☑ During collection of water and sediment samples, no water- or stain-resistant boots OR water- or stain-resistant boots covered by PFAS-free over-boots
- ☑ Field boots (or over-boots) are made of polyurethane, PVC, rubber, or untreated leather
- ☑ Waders or rain gear are made of polyurethane, PVC, vinyl, wax-coated or rubber
- ☑ Clothing has not been recently laundered with a fabric softener
- ☑ No coated HDPE suits (e.g., coated Tyvek® suits)
- ☑ Field crew has not used cosmetics, moisturizers, or other related products today
- ☑ Field crew has not used sunscreen or insect repellants today, other than products approved as PFAS-free

Field Equipment:

- ☑ Sample containers and equipment in direct contact with the sample are made of HDPE, polypropylene, silicone, acetate or stainless steel, not LDPE or glass
- ☑ Sample caps are made of HDPE or polypropylene and are not lined with Teflon™
- ☑ No materials containing Teflon™, Viton™, or fluoropolymers
- ☑ No materials containing LDPE in direct contact with the sample (e.g., LDPE tubing, Ziploc® bags)
- ☑ No plastic clipboards, binders, or spiral hard cover notebooks
- ☑ No waterproof field books
- ☑ No waterproof or felt pens or markers (e.g., certain Sharpie® products)
- ☑ No chemical (blue) ice, unless it is contained in a sealed bag
- ☑ No aluminum foil
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Decontamination:

- ☑ Reusable field equipment (e.g., inner drill rods, samplers) decontaminated prior to reuse
- ☑ "PFAS-free" water is on-site for decontamination of field equipment
- ☑ Alconox® or Liquinox® used as decontamination detergent

Food and Drink:

- [x] No food or drink on-site, except within staging area
- [ ] Food in staging area is contained in HDPE or stainless steel container

Notes:

Field Team Leader Name (Print): Meg Simms

Field Team Leader Signature: Meg Simms

Date/Time: 8/26/20 0817

ATTACHMENT B

GEOSYNTEC CONSULTANTS
Photographic Record

Client: Florida Department of Environmental Protection	**Project Number: FR3511C**
Site Name: Florida State Fire College (FSFC)	**Site Location: Ocala, FL**

Photograph 1 **Date: 22 June 2020** **Direction: N** **Comments:** View of soil sample collection via hand auger at AOC 1 – SB 50. High density polyethylene bags were used to homogenize soil from each depth interval prior to sample collection.	

Photograph 2 **Date: 23 June 2020** **Direction: N** **Comments:** View of hand auger decontamination station. Hand augers were decontaminated using Luminox and a series of rinses with PFAS-free water. Clean equipment was staged over plastic sheeting.	

GEOSYNTEC CONSULTANTS Photographic Record	Geosyntec consultants
Client: Florida Department of Environmental Protection	**Project Number: FR3511C**
Site Name: Florida State Fire College (FSFC)	**Site Location: Ocala, FL**

Photograph 3 **Date: 24 June 2020** **Direction: E** **Comments:** View of the Direct Push Technology (DPT) drill rig advancing at AOC 1 – SB 56.	
Photograph 4 **Date: 24 June 2020** **Direction: NA** **Comments:** View of soil core from AOC 1 – SB 56 from 10 to 15 feet below land surface. Soil lithology was logged for each boring following sample collection at discrete depth intervals.	

GEOSYNTEC CONSULTANTS Photographic Record	Geosyntec consultants
Client: Florida Department of Environmental Protection	**Project Number: FR3511C**
Site Name: Florida State Fire College (FSFC)	**Site Location: Ocala, FL**

Photograph 5 **Date: 26 June 2020** **Direction: S** **Comments:** View of collecting an FRB within AOC 1.	

Photograph 6 **Date: 26 June 2020** **Direction: NW** **Comments:** View of decontamination procedures for the DPT sampling equipment. Equipment was pressure washed, scrubbed with Luminox, and rinsed several times with PFAS-free water.	

GEOSYNTEC CONSULTANTS Photographic Record	Geosyntec consultants
Client: Florida Department of Environmental Protection	**Project Number: FR3511C**
Site Name: Florida State Fire College (FSFC)	**Site Location: Ocala, FL**

Photograph 7 **Date: 26 June 2020** **Direction: N** **Comments:** View of grouting activities at AOC 1 – SB 51.	
Photograph 8 **Date: 26 June 2020** **Direction: NA** **Comments:** View of purging activities at the pre-filter area of Lhoist Well #8.	

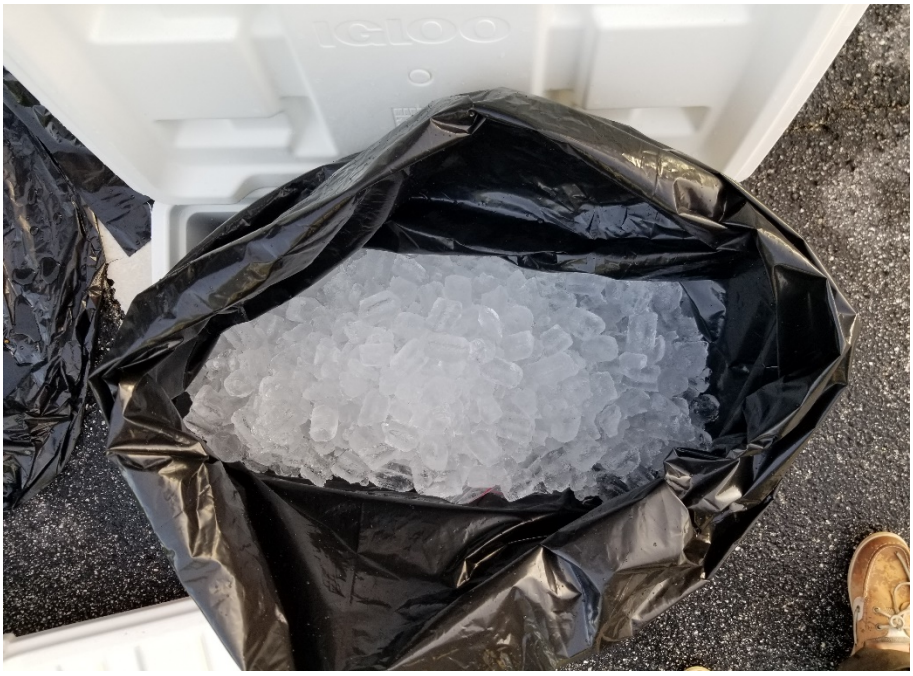
GEOSYNTEC CONSULTANTS Photographic Record	Geosyntec consultants
Client: Florida Department of Environmental Protection	**Project Number: FR3511C**
Site Name: Florida State Fire College (FSFC)	**Site Location: Ocala, FL**

Photograph 9	
Date: 26 June 2020	
Direction: NE	
Comments: View of 15 55-gallon drums filled with purge water and soil cuttings and staged near the wastewater treatment area. Ten drums were existing on site and 5 were generated during the week of 6/22/2020.	

Photograph 10	
Date: 29 June 2020	
Direction: NA	
Comments: View of ice placed in trash bag in cooler prior to placing samples in cooler.	

GEOSYNTEC CONSULTANTS Photographic Record	Geosyntec consultants
Client: Florida Department of Environmental Protection	**Project Number: FR3511C**
Site Name: Florida State Fire College (FSFC)	**Site Location: Ocala, FL**

Photograph 11	
Date: 29 June 2020	
Direction: NA	
Comments: View of samples placed in cooler on top of ice.	

Photograph 12	
Date: 29 June 2020	
Direction: NA	
Comments: View of ice placed on top of samples.	

GEOSYNTEC CONSULTANTS Photographic Record	Geosyntec consultants
Client: Florida Department of Environmental Protection	**Project Number: FR3511C**
Site Name: Florida State Fire College (FSFC)	**Site Location: Ocala, FL**

Photograph 13	
Date: 29 June 2020	
Direction: NA	
Comments: View of Ziploc bag with chain of custody, RQ, and cooler checklist taped to the cooler lid.	