

August 29, 2025
File No. 090259.25

Mr. Mark Johnson
Director
Marion County Solid Waste Department
5601 S.E. 66th Street
Ocala, FL 34480

Subject: Semi-Annual Groundwater Monitoring and Reporting
 Davis Landfill, Newton Landfill, and Baseline Landfill
 Contract #25Q-090, Solid Waste Engineering Services

Dear Mr. Johnson:

SCS Engineers, Inc. (SCS) provides the following cost proposal to Marion County (the County) to assist with the ongoing groundwater monitoring requirements for the Davis, Newton, and Baseline landfills. Specifically, SCS will prepare and submit semi-annual groundwater monitoring reports to the Florida Department of Environmental Protection (FDEP). The following scope of services, per landfill site, is presented below.

SCOPE OF SERVICES

Task 1 - Davis Landfill - Coordination & Semi-Annual Monitoring Report Preparation

November 2025 Semi-Annual Groundwater Monitoring

SCS will coordinate the activities and provide necessary information to the sampling personnel contracted by the County for the completion of the November 2025 sampling event. SCS will provide the following information to the sampling personnel, which they will perform during the November 2025 event:

- Collection of one round of depth to groundwater level measurements from the monitoring well network designated within the surficial aquifer and groundwater flow zones B, C, D, E, F, and G.
- Collection of one groundwater sample from each of the wells listed below:
 - C Zone: DMW-20C, DMW-21C, DMW-30C, DMW-42C, and DMW-101C
 - D Zone: DMW-43D, DMW-45D, DMW-51D, DMW-55D, DMW-59D, DMW-61D, DMW-62D, DMW-63D, DMW-73D, DMW-75D, DMW-77D, DMW-88D, DMW-102D, DMW-103D, and DMW-108D
 - E Zone: DMW-54E, DMW-71E, DMW-89E, DMW-91E, DMW-92E, and DMW-111E

- F Zone: DMW-85F, DMW-86F, DMW-105F, DMW-106F, DMW-110F, DMW-112F, DMW-113F, and DMW-114F; and
- G Zone: DMW-107G

The groundwater, duplicate, and trip blank samples collected by the sampling personnel will be analyzed for VOCs using Environmental Protection Agency (EPA) Method 8260. Please note well that DMW-11B was removed from this sampling event per FDEP's review letter dated February 15, 2024. Additionally, wells DMW-44C and DMW-93C were removed from this sampling event per FDEP's review letter dated September 13, 2024.

Following the completion of the November 2025 semi-annual groundwater sampling event, SCS will prepare a semi-annual groundwater monitoring report for submittal to the FDEP on behalf of the County. As part of the report preparation, SCS will conduct the following:

- Review of laboratory data for validation purposes (quality assurance review)
- Tabulation of detections and exceedances in water quality data
- Preparation of groundwater flow maps for each zone sampled, as appropriate; and
- Update plume extent maps for each aquifer zone sampled

The semi-annual report will detail groundwater sampling activities and analytical results. The report will also include recommendations and conclusions based on the findings. SCS will submit an electronic copy to the County for review and comment. Following appropriate revision, SCS will submit an electronic copy to the FDEP. Following review by the FDEP, SCS will respond to one request for additional information and assumes no new data collection or substantial additional evaluation will be necessary.

May 2026 Semi-Annual Groundwater Monitoring

SCS will coordinate the activities and provide the necessary information to sampling personnel for the completion of the May 2026 sampling event. SCS will provide the following information to sampling personnel, which they will perform during the May 2026 event:

- Collection of one round of depth to groundwater level measurements from the monitoring well network designated within the surficial aquifer and groundwater flow zones B, C, D, E, F, and G.
- Collection of one groundwater sample from each of the wells listed below:
 - C Zone: DMW-20C, DMW-21C, DMW-30C, DMW-42C, and DMW-101C
 - D Zone: DMW-43D, DMW-45D, DMW-51D, DMW-55D, DMW-59D, DMW-61D, DMW-62D, DMW-63D, DMW-73D, DMW-75D, DMW-77D, DMW-88D, DMW-102D, DMW-103D, and DMW-108D
 - E Zone: DMW-54E, DMW-71E, DMW-89E, DMW-91E, DMW-92E, and DMW-111E
 - F Zone: DMW-85F, DMW-86F, DMW-105F, DMW-106F, DMW-110F, DMW-112F, DMW-113F, and DMW-114F; and

- G Zone: DMW-107G

The groundwater, duplicate, and trip blank samples collected by sampling personnel will be analyzed for VOCs using EPA Method 8260. Please note well that DMW-11B was removed from this sampling event per FDEP's review letter dated February 15, 2024. Additionally, wells DMW-44C and DMW-93C were removed from this sampling event per FDEP's review letter dated September 13, 2024.

Following the completion of the May 2026 semi-annual groundwater sampling event, SCS will prepare a semi-annual groundwater monitoring report for submittal to the FDEP on behalf of the County. As part of the report preparation, SCS will conduct the following:

- Review of laboratory data for validation purposes (quality assurance review)
- Tabulation of detections and exceedances in water quality data
- Preparation of groundwater flow maps for each zone sampled, as appropriate; and
- Update plume extent maps for each aquifer zone sampled

The semi-annual report will detail groundwater sampling activities and analytical results. The report will also include recommendations and conclusions based on the findings. SCS will submit an electronic copy to the County for review and comment. Following appropriate revision, SCS will submit an electronic copy to the FDEP. Following review by the FDEP, SCS will respond to one request for additional information and assumes no new data collection or substantial additional evaluation will be necessary.

Task 2 - Newton Landfill - Coordination & Semi-Annual Monitoring Report Preparation

January 2026 Semi-Annual Groundwater Monitoring

SCS will coordinate the activities and provide the necessary information to sampling personnel for the completion of the January 2026 sampling event. SCS will provide the following information to sampling personnel, which they will perform during the January 2026 event:

- Collection of one round of depth to groundwater level measurements from the monitoring well network (31 wells) designated within the upper and lower groundwater zones.
- Collect groundwater samples from the following wells:
 - Upper Zone: NMW-2R, NMW-3R, NMW-4, NMW-8, NMW-10, NMW-24, NMW-31, and NMW-33
 - Lower Zone: NMW-11, NMW-12, NMW-13R, NMW-16, NMW-23, NMW-32D, NMW-34D, and NMW-38D

The groundwater, duplicate, and trip blank samples collected will be analyzed for arsenic, iron, and manganese by an FDOH-certified laboratory.

Following the completion of the January 2026 semi-annual groundwater sampling event, SCS will prepare a semi-annual groundwater monitoring report for submittal to the FDEP. As part of the report preparation, SCS will conduct the following:

- Review of laboratory data for validation purposes (quality assurance review)
- Tabulation of detections and exceedances in water quality data
- Preparation of groundwater flow maps for each zone sampled, as appropriate; and
- Update concentration maps for each zone sampled

The semi-annual report will detail groundwater sampling activities and analytical results. The report will also include recommendations and conclusions based on the findings. SCS will submit an electronic copy to the County for review and comment. Following appropriate revision, SCS will submit an electronic copy to the FDEP. Following review by the FDEP, SCS will respond to one request for additional information and assumes no new data collection or substantial additional evaluation will be necessary.

July 2026 Semi-Annual Groundwater Monitoring

SCS will coordinate the activities and provide the necessary information to sampling personnel for the completion of the July 2026 sampling event. SCS will provide the following information to sampling personnel, which they will perform during the July 2026 event:

- Collection of one round of depth to groundwater level measurements from the monitoring well network (31 wells) designated within the upper and lower groundwater zones.
- Collect groundwater samples from the following wells:
 - Upper Zone: NMW-2R, NMW-3R, NMW-4, NMW-8, NMW-31, and NMW-33
 - Lower Zone: NMW-16, NMW-23, NMW-32D, and NMW-34D

The groundwater, duplicate, and trip blank samples collected will be analyzed for arsenic, iron, and manganese by an FDOH-certified laboratory.

Following the completion of the July 2026 semi-annual groundwater sampling event, SCS will prepare a semi-annual groundwater monitoring report for submittal to the FDEP. As part of the report preparation, SCS will conduct the following:

- Review of laboratory data for validation purposes (quality assurance review)
- Tabulation of detections and exceedances in water quality data
- Preparation of groundwater flow maps for each zone sampled, as appropriate; and
- Update concentration maps for each zone sampled

The semi-annual report will detail groundwater sampling activities and analytical results. The report will also include recommendations and conclusions based on the findings. SCS will submit an electronic copy to the County for review and comment. Following appropriate revision, SCS will submit an electronic copy to the FDEP. Following review by the FDEP, SCS will respond to one request for additional information and assumes no new data collection or substantial additional evaluation will be necessary.

Task 3 - Baseline Landfill - Coordination & Semi-Annual Monitoring Report

August 2025 Semi-Annual Groundwater Monitoring

SCS will coordinate the activities and provide the necessary information to sampling personnel for the completion of the August 2025 sampling event. SCS will provide the following information to sampling personnel, which they will perform during the August 2025 event:

- Collection of one round of depth to groundwater level measurements from the monitoring well network (45 wells).
- Collect groundwater samples from the following wells:
 - Background Wells: MW-15, MW-16, and P-17
 - Compliance Wells: MW-2, MW-5A, MW-6, MW-7, MW-8D, MW-9, MW-11, MW-12, MW-13, MW-14, P-21, P-22, and P-27
 - Assessment Wells: P-24 and P-25

The groundwater, duplicate, and trip blank samples collected will be analyzed for 40 CFR Part 258 Appendix I parameters, ammonia-N – N (Total), chlorides, iron, mercury, nitrate, sodium, and total dissolved solids (TDS) by a FDOH-certified laboratory.

Following the completion of the August 2025 semi-annual groundwater sampling event, SCS will prepare a semi-annual groundwater monitoring report for submittal to the FDEP. As part of the report preparation, SCS will conduct the following:

- Review of laboratory data for validation purposes (quality assurance review)
- Tabulation of detections and exceedances in water quality data
- Preparation of groundwater flow maps, as appropriate
- Update concentration maps; and
- Update trend graphs, as appropriate

The semi-annual report will detail groundwater sampling activities and analytical results. The report will also include recommendations and conclusions based on the findings. SCS will submit an electronic copy to the County for review and comment. Following appropriate revision, SCS will submit an electronic copy to the FDEP. Following review by the FDEP, SCS will respond to one request for additional information and assumes no new data collection or substantial additional evaluation will be necessary.

February 2026 Semi-Annual Groundwater Monitoring

SCS will coordinate the activities and provide the necessary information to sampling personnel for the completion of the February 2026 sampling event. SCS will provide the following information to sampling personnel, which they will perform during the February 2026 event:

- Collection of one round of depth to groundwater level measurements from the monitoring well network (45 wells).

- Collect groundwater samples from the following wells:
 - Background Wells: MW-15, MW-16, and P-17
 - Compliance Wells: MW-2, MW-5A, MW-6, MW-7, MW-8D, MW-9, MW-11, MW-12, MW-13, MW-14, P-21, P-22, and P-27
 - Assessment Wells: P-24 and P-25

The groundwater, duplicate, and trip blank samples collected will be analyzed for 40 CFR Part 258 Appendix I parameters, ammonia-N (Total), chlorides, iron, mercury, nitrate, sodium, and TDS by a FDOH-certified laboratory.

Following the completion of the February 2026 semi-annual groundwater sampling event, SCS will prepare a semi-annual groundwater monitoring report for submittal to the FDEP. As part of the report preparation, SCS will conduct the following:

- Review of laboratory data for validation purposes (quality assurance review)
- Tabulation of detections and exceedances in water quality data
- Preparation of groundwater flow maps, as appropriate
- Update concentration maps; and
- Update Trend graphs, as appropriate

The semi-annual report will detail groundwater sampling activities and analytical results. The report will also include recommendations and conclusions based on the findings. SCS will submit an electronic copy to the County for review and comment. Following appropriate revision, SCS will submit an electronic copy to the FDEP. Following review by the FDEP, SCS will respond to one request for additional information and assumes no new data collection or substantial additional evaluation will be necessary.

FEE ESTIMATE AND SCHEDULE

The proposed fee to complete Tasks 1 through 3 as described above is **\$88,880**. Our services will be invoiced monthly on a percentage complete and lump sum basis, not to exceed \$88,880 without prior authorization. A fee breakdown per task is shown below.

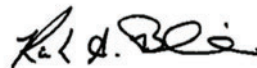
Task	Location	Descriptions	Fee
Task 1	Davis Landfill	Coordination & Semi-Annual Monitoring Report Preparation	
		Total Task 1:	\$35,300
Task 2	Newtown Landfill	Coordination & Semi-Annual Monitoring Report Preparation	
		Total Task 2:	\$27,580
Task 3	Baseline Landfill	Coordination & Semi-Annual Monitoring Report Preparation	
		Total Task 3:	\$26,000
PROPOSAL TOTAL			\$88,880

SCS will submit each report (Tasks 1, 2, and 3) to the FDEP for review within 60 days of receipt of the final laboratory analytical results and receipt of the necessary documentation from sampling personnel. SCS' services will be performed per Contract #25Q-090 Solid Waste Engineering Services, and the attached fee estimate.

We appreciate the opportunity to provide this proposal. Please contact us if you have any questions about this proposal or require additional information.



Fauve Herron, E.I.T.
Project Professional
SCS Engineers



Kirk A. Blevins
Project Director
SCS Engineers

FCH/KAB

Attachments

LABOR COSTS

[illegible]

DIRECT COSTS

Unit Cost			Task (Quantity)												Total	Total	
Reimbursable	(\$)	Unit	Task 1	Task 2	Task 3	Task 4	Task 5	Task 6	Task 7	Task 8	Task 9	Task 10	Task 11	Task 12	Units	(\$)	
			Coordination & Report Prep - Nov 2025	Coordination & Report Prep - May 2026													
Vehicle Mileage	\$ 0.58	mile	0	0	0	0	0	0	0	0	0	0	0	0	0		\$ -
Vehicle	\$ 85.00	day	0	0	0	0	0	0	0	0	0	0	0	0	0		\$ -
Vehicle	\$ 400.00	week	0	0	0	0	0	0	0	0	0	0	0	0	0		\$ -
Report Reproduction Fee 1	\$ 50.00	report	0	0	0	0	0	0	0	0	0	0	0	0	0		\$ -
Report Reproduction Fee 2	\$ 100.00	report	0	0	0	0	0	0	0	0	0	0	0	0	0		\$ -
Report Reproduction Fee 3	\$ 150.00	report	0	0	0	0	0	0	0	0	0	0	0	0	0		\$ -
Report Reproduction Fee 4	\$ 200.00	report	0	0	0	0	0	0	0	0	0	0	0	0	0		\$ -
Report Reproduction Fee 5	\$ 250.00	report	0	0	0	0	0	0	0	0	0	0	0	0	0		\$ -
CAD/GIS Usage	\$ 5.00	hour	0	0	0	0	0	0	0	0	0	0	0	0	0		\$ -
Auger - Handheld	\$ 5.00	day	0	0	0	0	0	0	0	0	0	0	0	0	0		\$ -
Field Tablet	\$ 5.00	day	0	0	0	0	0	0	0	0	0	0	0	0	0		\$ -
Field Truck	\$ 95.00	day	0	0	0	0	0	0	0	0	0	0	0	0	0		\$ -
Field Truck	\$ 425.00	week	0	0	0	0	0	0	0	0	0	0	0	0	0		\$ -
Field Truck	\$ 1,400.00	mo.	0	0	0	0	0	0	0	0	0	0	0	0	0		\$ -
Four Gas Meter	\$ 15.00	day	0	0	0	0	0	0	0	0	0	0	0	0	0		\$ -
Four Gas Meter	\$ 75.00	week	0	0	0	0	0	0	0	0	0	0	0	0	0		\$ -
GEM Meter	\$ 136.00	day	0	0	0	0	0	0	0	0	0	0	0	0	0		\$ -
GEM Meter	\$ 375.00	week	0	0	0	0	0	0	0	0	0	0	0	0	0		\$ -
GEM Meter	\$ 1,055.00	mo.	0	0	0	0	0	0	0	0	0	0	0	0	0		\$ -
GPS Equipment - Handheld	\$ 25.00	day	0	0	0	0	0	0	0	0	0	0	0	0	0		\$ -
Groundwater Equipment Kit	\$ 250.00	day	0	0	0	0	0	0	0	0	0	0	0	0	0		\$ -
GW Sampling Equipment - Supplemental	\$ 113.00	filter	0	0	0	0	0	0	0	0	0	0	0	0	0		\$ -
Nuclear Gauge	\$ 50.00	day	0	0	0	0	0	0	0	0	0	0	0	0	0		\$ -
Nuclear Gauge	\$ 150.00	week	0	0	0	0	0	0	0	0	0	0	0	0	0		\$ -
Soil Sampling Equipment Kit	\$ 50.00	day	0	0	0	0	0	0	0	0	0	0	0	0	0		\$ -
Surface Water Equipment Kit	\$ 100.00	day	0	0	0	0	0	0	0	0	0	0	0	0	0		\$ -
Trimble Equipment Kit	\$ 50.00	day	0	0	0	0	0	0	0	0	0	0	0	0	0		\$ -
Trimble Equipment Kit	\$ 200.00	week	0	0	0	0	0	0	0	0	0	0	0	0	0		\$ -
Trimble Equipment Kit	\$ 750.00	mo.	0	0	0	0	0	0	0	0	0	0	0	0	0		\$ -
Turbidity Meter / Peristaltic Pump	\$ 30.00	day	0	0	0	0	0	0	0	0	0	0	0	0	0		\$ -
Turbidity Meter / Peristaltic Pump	\$ 80.00	week	0	0	0	0	0	0	0	0	0	0	0	0	0		\$ -
Water Level Meter / Interface Probe	\$ 25.00	day	0	0	0	0	0	0	0	0	0	0	0	0	0		\$ -
YSI 556 Meter	\$ 110.00	day	0	0	0	0	0	0	0	0	0	0	0	0	0		\$ -
YSI 556 Meter	\$ 320.00	week	0	0	0	0	0	0	0	0	0	0	0	0	0		\$ -
Direct Costs			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -

REIMBURSABLE COSTS

[illegible]

Total Project Costs

[illegible]

[illegible]

LABOR COSTS

Personnel	Task 1 Coordination & Report Prep - Aug 2025		Task 2 Coordination & Report Prep - Feb 2026		Task 3	Task 4	Task 5	Task 6	Task 7	Task 8	Task 9	Task 10	Task 11	Task 12	(\$)		
Principal	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$
Project Director	\$	1,750	\$	1,750	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$
Senior Project Manager	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$
Project Manager	\$	5,800	\$	5,800	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$
Senior Project Professional	\$	1,700	\$	1,700	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$
Senior Engineer/Scientist Intern	\$	3,750	\$	3,750	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$
Engineer/Scientist Intern	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$
Designer	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$
Senior Technician	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$
Technician	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$
Draftsperson	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$
Administrative Assistant	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$
Clerical	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$
Subtotal Labor (\$)	\$	13,000	\$	13,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$

DIRECT COSTS

[illegible]

REIMBURSABLE COSTS

[illegible][illegible]