



**ADVANCED
ENVIRONMENTAL
MANAGEMENT, INC.**

3482 Keith Bridge Road # 137
Cumming, GA 30041
770-242-8282
info@aem-ga.com

"Economical Solutions to Environmental Problems"

July 27, 2026

Fitzgerald City Landfill
544 Camp Brooklyn Road
Fitzgerald, Georgia 31750

Attention: Mr. Hampton Raulerson
Ben Hill County Manager

Subject: Groundwater Monitoring & Supply Well Abandonment
Kiochee Church Rd Phase I Landfill
Permit No.:009-004D(SL)
Fitzgerald, Georgia
AEM Proposal No. P02166

Dear Mr. Raulerson:

AEM has prepared this proposal at the behest of the EPD to abandon six (6) groundwater monitoring wells and one (1) water supply well located at the Fitzgerald Phase I Landfill.

Abandonment of Monitoring Wells

The six (6) monitoring wells to abandon were installed in 1984 by the EPD as part of a Lead investigation at the facility and are no longer used.

AEM plans to remove the well pad and stick-up for the well, then over drill the total length of the well PVC pipe. The remaining hole will be filled with bentonite chips to plug and seal the hole in accordance with the Water Well Standards Act and the approved monitoring plan.

Abandonment of Supply Well

McLean & Smith Well Drilling, Inc of Jacksonville, GA will be responsible for abandoning the onsite water supply well in accordance with the Water Well Standards Act. AEM will supervise the abandonment and supply documentation to the EPD.

Contracting, Reporting, and Documentation

AEM plans to use Drilling Solutions, Inc of Canton, GA and McLean & Smith Well Drilling, Inc of Jacksonville, GA. AEM will provide all oversight of the well abandonment and any other work which may be required. We will provide a summary report for the project which should be kept in the Landfill records and submitted to the EPD.

AEM assumes the city will provide access for AEM and the drilling contractor, and disposal of any waste generated as part of the project.

Project Cost

Total estimated costs for drilling including labor and materials, oversight, and reporting for the well is estimated at \$16,089.00. The city will only be billed for actual quantities used. Unit rates and estimated quantities are summarized on the attached table.

Please review this proposal and call me with any questions you may have at (678) 602-8883 or you may email me at leo@aem-ga.com. If you approve this cost proposal, please provide authorization by email. AEM sincerely appreciates our ongoing relationship with the Ben Hill County and the opportunity to provide this proposal.

Sincerely,

Advanced Environmental Management, Inc.



Leo P. Ouellette, P.G.
Principal Geologist

COST TABLE
WELL ABANDONMENT
GWA-1, GWC-1, GWC-2, GWC-3, GWC-4, GWC-5, SUPPLY WATER WELL
Fitzgerald Phase I Landfill
Fitzgerald, Georgia

GROUNDWATER WELL ABANDONMENT

Task	Description	Quantity	Unit	Unit Rate	Task Total
1	2" PVC Well Overdrill	150	Feet	\$ 21.00	\$ 3,150.00
2	Bentonite Backfill	150	Feet	\$ 19.00	\$ 2,850.00
3	Demolition of Pad & Stickup	6	Each	\$ 403.00	\$ 2,418.00
4	PER DIEM	2	Day	\$ 518.00	\$ 1,036.00
5	Drinking Water Well Abandonment	1	Each	\$ 4,025.00	\$ 4,025.00
6	AEM Field Oversight	16	Hour	\$ 85.00	\$ 1,360.00
7	AEM Travel / Per Diem / Equipment	2	Day	\$ 150.00	\$ 300.00
8	AEM Documentation	10	Hour	\$ 95.00	\$ 950.00

Notes:

AEM assumes the facility will provide access for
AEM & Drilling Contractor.

AEM assumes that the county will dispose of the
old well material after abandonment.

Total \$ 16,089.00



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July 27, 2026

Fitzgerald City Landfill
544 Camp Brooklyn Road
Fitzgerald, Georgia 31750

Attention: Mr. Hampton Raulerson
Ben Hill County Manager

Subject: Methane Monitoring Well & Post Installation
Groundwater Well Repair
Kiochee Church Rd Phase II Landfill
Permit No.:009-005D(SL)
Fitzgerald, Georgia
AEM Proposal No. P02164

Dear Mr. Raulerson:

As per the most recent Design and Operation Plan 2019 Permit Review for Ben Hill County-Fitzgerald, Kiochee Church Rd, Phase 2 Landfill, that fourteen (14) methane monitoring points be implemented. Based on our analysis of surface and groundwater elevations twelve (12) of these monitoring locations will require monitoring wells and two (2) will require 4x4 wooden posts marking bar-hole punch locations.

Groundwater monitoring well GWC-13, located at the Fitzgerald Phase 2 landfill has been damaged since June 2022 and needs repair. This cost has also been provided.

AEM is pleased to present this proposal to install twelve (12) Methane Monitoring wells, two (2) bar-hole punch marker posts, and the repair of GWC-13.

Well Installation

AEM Plans to have the wells drilled with minimum 6-inch diameter hole to auger refusal or water whichever is encountered first. The wells will require a 1-inch schedule 40 PVC pipe. The goal is to have the wells screened at depth up to approximately 5ft to ground surface. Design places Pea gravel to top of screens, 6-inches sand, then bentonite. 4X4 pads with survey pins and new aluminum stick-ups. Well installation will follow Georgia EPD and State of Georgia plans and guidelines.

Bar-hole Punch Marker Installation

AEM plans to have two (2) 4X4 wooden post bar-hole punch markers cemented and installed into ground with labeling of MM-1 and MM-2 to ensure consistency for monitoring. The post markers will adhere to the design prescribed in the D&O plan.

GWC-13 Repair

AEM will supervise the repair for GWC-13. AEM plans to have the current stick-up and well pad removed. The subsurface will be excavated at most 3ft to access PVC. Then the 2-inch PVC pipe can be cut so that new 2-inch PVC can be coupled to the existing. Excavation will be refilled with bentonite to a depth of approximately one foot below ground surface. A new stick-up and a 6x6 well pad with survey pin will be installed. Lastly, a weep hole will be drilled at the base of the stick up for drainage. The well completion will adhere to the design prescribed in the D&O plan.

Contracting, Reporting, and Documentation

AEM Plans to use Drilling Solutions of Canton, GA. The wells will be surveyed by Cody Califf, a licensed GA surveyor, with Innovate Engineering & Surveying of Valdosta, GA.

AEM will provide all oversight of the drilling and the well installation, including installation supervision, and submission of the well construction and well development documentation for both wells.

AEM will provide all oversight of the installation of both bar-hole punch marker posts and ensure that the labeling of both posts align with the correct geo location.

AEM will provide all oversight of the GWC-13 pad replacement, the installation of the new protective casing and any other work which may be required.

A Professional Geologist or Engineer will supervise the installation and reporting. Summary Reports will be submitted to GEOS for approval.

AEM assumes the city will provide access for AEM, the drilling contractor and the surveying company.

Project Cost

Total estimated costs for drilling, post installation, and repair including labor and materials, oversight, reporting, and surveying for the well is estimated at \$35,218.00. The city will only be billed for actual quantities used. Unit rates and estimated quantities are summarized on the attached table.

Please review this proposal and call me with any questions you may have at (678) 602-8883 or you may email me at leo@aem-ga.com. If you approve this cost proposal, please provide authorization by email. AEM sincerely appreciates our ongoing relationship with Ben Hill County and the opportunity to provide this proposal.

Sincerely,

Advanced Environmental Management, Inc.

A handwritten signature in cursive script, reading "Leo Ouellette".

Leo P. Ouellette, P.G.
Principal Geologist

COST TABLE
WELL INSTALLATIONS & REPAIR
 Fitzgerald Phase II Landfill
 Fitzgerald, Georgia

METHANE MONITORING SYSTEM INSTALLATIONS

Task	Description	Quantity	Unit	Unit Rate	Task Total
1	ATV Mob & Fuel	1	Each	\$ 3,048.00	\$ 3,048.00
2	HSA Drilling	175	Foot	\$ 19.00	\$ 3,325.00
3	1" PVC Install	175	Foot	\$ 27.00	\$ 4,725.00
4	Stickup & 4X4 Well Pad	12	Each	\$ 547.00	\$ 6,564.00
5	Moving & Set Up	2	Hour	\$ 403.00	\$ 806.00
6	Per Diem	5	Day	\$ 518.00	\$ 2,590.00
7	Sign Post Install	2	Each	\$ 144.00	\$ 288.00
8	AEM Field Oversight	50	Hour	\$ 85.00	\$ 4,250.00
9	AEM Travel / Per Diem / Equipment	5	Day	\$ 150.00	\$ 750.00
10	AEM Documentation	30	Hour	\$ 95.00	\$ 2,850.00

Total \$ 29,196.00

WELL REPAIR GWC-13

Task	Description	Quantity	Unit	Unit Rate	Task Total
1	2" PVC Well Repair	2	Hour	\$ 575.00	\$ 1,150.00
2	STICKUP & 6X6 Well Pad	1	Each	\$ 863.00	\$ 863.00
3	AEM Field Oversight	2	Hour	\$ 85.00	\$ 170.00
4	AEM Travel / Per Diem / Equipment (Included above)	0	Day	\$ 150.00	\$ -
5	AEM Documentation	5	Hour	\$ 95.00	\$ 475.00

Total \$ 2,658.00

Survey

Task	Description	Quantity	Unit	Unit Rate	Task Total
1	Survey by Georgia RLS	1	Each	\$ 3,364.00	\$ 3,364.00

Notes:

AEM assumes the facility will provide access for AEM & Drilling Contractor.

AEM assumes that the county will dispose of the old well material after abandonment.

Total \$3,364.00

Grand Total \$35,218.00