

DETAIL OF ANNUAL CORRECTIVE ACTION COSTS (Incurred from 10-1-22 to 9-30-23)
William C. Meredith Company, Inc.
2335 Lawrence Street
East Point, Fulton County, Georgia
Hazardous Waste Facility Permit HW-062 (D)
EPA ID No. GAD003323805

Description of Work Phases (2022-2023 Fiscal Year Cost Preparation)	Unit	Rate	Cost	2023 Incurred
Preparation of 2021-2022 Fiscal Year Costs				
Project Management, Response to EPD comment letter, Fiscal Year Cost Estimate and Review	1	n/a	n/a	\$1,957.50
2022-2023 FISCAL YEAR COST PREPARATION - SUBTOTAL			n/a	\$1,957.50
COST PLUS 10% CONTINGENCY			n/a	\$0.00
GRAND TOTAL			n/a	\$1,957.50

DETAIL OF ANNUAL CORRECTIVE ACTION COSTS (Incurred from 10-1-22 to 9-30-23)
William C. Meredith Company, Inc.
2335 Lawrence Street
East Point, Fulton County, Georgia
Hazardous Waste Facility Permit HW-062 (D)
EPA ID No. GAD003323805

Description of Work Phases (RCRA Part B-Permit Preparation)	Unit	Rate	Cost	2023 Incurred
Preparation of RCRA Part-B Permit and Associate RCAP				
Project Management, EPD correspondence, Meetings and MS calls (out of scope)	1	n/a	n/a	\$4,372.50
Part B Permit Review, Development of RCAP and Sitewide Corrective Action Strategy (out of scope)	1	n/a	n/a	\$13,920.00
RCAP and Part B Permit Preparation (out of scope)	1	n/a	n/a	\$8,242.50
Project Management/Review, Finalize Corrective Action Strategy (Professional Geologist)	1	n/a	n/a	\$7,020.00
Report processing/administrative	1	n/a	n/a	\$2,291.25
Report materials, books, CDs, mailing/shipping costs, misc.	1	n/a	n/a	\$275.00
PART-B PREPARATION - SUBTOTAL			n/a	\$36,121.25
COST PLUS 10% CONTINGENCY			n/a	\$0.00
GRAND TOTAL			n/a	\$36,121.25

COSTS FOR ADDITIONAL DELINEATION/REMEDATION SERVICES (Incurred from 10-1-22 to 9-30-23)
William C. Meredith Company, Inc.
2335 Lawrence Street
East Point, Fulton County, Georgia
Hazardous Waste Facility Permit HW-062 (D)
EPA ID No. GAD003323805

Phase	Description of Work Phases	Unit	Rate	Cost	2023 Incurred
	SWMU 9 & 10 Delineation (Supplemental Phase 4)				
	<i>Installation of 17 TWs and 3 nested wells, soil and groundwater sampling including surface water and sediment</i>				
4	Prepare updated Health & Safety Plan/Field preparation/Coordinate vendors (Staff Scientist)	0	\$75.00	\$0.00	
4	Stream gauging/staking locations/surveying (2 Field Technicians)	0	\$110.00	\$0.00	
4	Drilling/Installation of 17 TWs and 3 nested wells (17 @ 35 ft each and 3 @ 55 ft each)	0	\$19.75	\$0.00	
4	Bobcat & rolloff rental for storage of soil cuttings (assume 1 week - not including disposal)	0	\$750.00	\$0.00	
4	Disposal of soil cuttings (assume 22 drums = 6 cubic yards (9 tons) in a roll-off)	0	\$100.00	\$0.00	
4	Field oversight/logging/soil sampling during well installation (Geologist/Env. Scientist)	0	\$75.00	\$0.00	
4	Soil sampling assistance/soil screening/well development (Technician/Staff Scientist)	0	\$55.00	\$0.00	
4	NAPL test kits to screen soils	0	\$10.00	\$0.00	
4	Field time for groundwater sampling of 17 new TWs, 3 existing TWs, 2 surface water (2 Technicians)	0	\$110.00	\$0.00	
4	Survey new temporary wells relative to existing well top-of-casing (Contractor)	0	\$750.00	\$0.00	
4	Field oversight during surveying (Technician)	0	\$55.00	\$0.00	
4	Photoionization detector use for soil screening during drilling/logging	0	\$75.00	\$0.00	
4	Equipment use: Survey level, multi-parameter low flow meter, peristaltic pump, Grunfos, WL meter	0	\$200.00	\$0.00	
4	Soil/water sampling supplies, gloves, disposable teflon-lined tubing, mileage, misc.	0	\$500.00	\$0.00	
4	Soil analysis for VOCs/SVOCs in TWs (assume 2 samples per boring), 2 sediment samples	0	\$202.00	\$0.00	
4	Groundwater analysis for VOCs/SVOCs for 17 new TWs, 3 new nested wells, 2 surface water	0	\$138.00	\$0.00	
4	Data evaluation, CAD figures (CAD Technician)	0	\$60.00	\$0.00	
4	Prepare/assist with data tabulation and Progress Report Preparation (Staff Scientist)	0	\$65.00	\$0.00	
4	Limited Field Oversight/Prepare Delineation Progress Report (Professional Geologist)	0	\$95.00	\$0.00	
4	2nd Interim Measures Project Management, Field Prep and Lab Correspondence (out of scope)	1	n/a	n/a	\$840.00
4	PG, PM review of 2nd Interim Measures Monitoring Report (out of scope)	1	n/a	n/a	\$847.50
4	Clerical report processing, 2nd Interim Measures Report (out of scope)	1	n/a	n/a	\$127.50
4	Onsite EPD meeting to discuss SWMU 9 and 10 Strategy and overall sitewide Correction Action, MW-2 rehab (out of scope)	1	n/a	n/a	\$3,317.50
4	Field work including stormwater and interim measures sampling	1	n/a	n/a	
4	Data tabulation and evaluation, preparation of Interim Measures Monitoring Report (out of scope)	1	n/a	n/a	
4	Preparation of CAD figures for Interim Measures Monitoring Report (out of scope)	1	n/a	n/a	
4	Senior review of data and Interim Measures Monitoring Report (out of scope)	1	n/a	n/a	
4	PHASE 4 SUPPLEMENTAL - SUBTOTAL			\$0.00	\$5,132.50
	PHASE 4 - SUBTOTAL WITH CONTINGENCY (10%)	1.10	\$0.00	\$0.00	

Phase	Impoundment Investigation	Unit	Rate	Cost	2023 Incurred
	<i>Installation of 3 temporary wells in the impoundment</i>				
N/A	Drill/install 3 temporary wells using dual direct push/auger rig (3 wells @ 35 feet each = 105 ft)	0	\$29.50	\$0.00	
N/A	Field oversight during drilling/soil screening/sampling, 2 days (Geologist/Env. Scientist)	0	\$75.00	\$0.00	
N/A	NAPL test kits to screen soils (4 per well)	0	\$10.00	\$0.00	
N/A	Soil analysis for SVOCs/VOCs (2 samples per boring)	0	\$202.00	\$0.00	
N/A	Surveying 3 new temporary wells (2 Technicians)	0	\$110.00	\$0.00	
N/A	Field gauging for NAPL monthly following TW installation, 6 months, 4 hrs per event (Technician)	0	\$55.00	\$0.00	
N/A	Field times for groundwater sampling after 6 months (Technician)	0	\$55.00	\$0.00	
N/A	Misc. expenses, mileage, sampling supplies, PID, equipment, etc.	0	\$500.00	\$0.00	
N/A	Project management/senior review of Impoundment Investigation Report	0	\$0.00	\$0.00	
N/A	Data evaluation, CAD figures (CAD Technician)	4	\$75.00	\$300.00	
N/A	Data tabulation and prepare Progress Report (Staff Scientist)	16	\$85.00	\$1,360.00	
N/A	Report processing/mailling (Administrative)	1	\$300.00	\$450.00	
N/A	PG review of report/project management (Professional Geologist)	4	\$105.00	\$420.00	
	SUBTOTAL			\$2,530.00	\$0.00
	SUBTOTAL WITH CONTINGENCY (10%)			\$2,783.00	

	Vertical Bedrock Delineation (Supplemental Phase 3)	Unit	Rate	Cost	2023 Incurred
	Installation of MW-12B (field only- results will be reported in conjunction with Phase 3/4 Progress Reports)				
3	Field preparation, scheduling, vendor coordination (Staff Scientist)	0	\$55.00	\$0.00	
3	Land clearing to access MW-12 cluster (Technician and equipment, chainsaw)	0	\$250.00	\$0.00	
3	Drill/install 4" or 6" outer casing for well MW-12B (75 ft well, outer casing to 40')	0	\$37.50	\$0.00	
3	Air rotary drilling for well MW-12B (from 40-75')	0	\$55.00	\$0.00	
3	Drilling mobilization charge including obtaining access (1 rig)	0	\$750.00	\$0.00	
3	Bob cat/skid steer to relocate drill cuttings up hill into drums	0	\$550.00	\$0.00	
3	Soil analysis for VOCs/SVOCs	0	\$202.00	\$0.00	
3	Field oversight during drilling/soil screening/logging/sampling (Geologist)	0	\$85.00	\$0.00	
3	Soil analysis for VOCs/SVOCs	0	\$214.80	\$0.00	
3	Well development after installation, groundwater sample collection (Technician)	0	\$55.00	\$0.00	
3	Groundwater analysis for VOCs/SVOCs from MW-12 cluster (3 wells)	0	\$138.00	\$0.00	
3	Soil cutting disposal, subtitle D landfill (assume 6 drums)	0	\$100.00	\$0.00	
3	Field equipment including multi-parameter meter, Grunfos pump, generator, WL meter, tubing, etc.	0	\$150.00	\$0.00	
	Installation of 3 rock wells to 200'				
3	Field preparation, scheduling, vendor coordination (Staff Scientist)	0	\$55.00	\$0.00	
3	Coring set-up fee (3 wells)	0	\$100.00	\$0.00	
3	Driller mobilization, coring, packer testing, well installation (Lump sum- Driller)	0	\$31,950.00	\$0.00	
3	Field oversight during deep well & rock coring/soil screening/logging, assume 12 days (Senior Geologist)	0	\$85.00	\$0.00	
3	Professional Geologist field oversight	0	\$95.00	\$0.00	
3	NAPL test kits, check core surfaces and fractures (8 per well)	0	\$10.00	\$0.00	
3	Follow up bore hole investigation- geophysical logging (3 wells)	0	\$4,000.00	\$0.00	
3	Field oversight during geophysical investigation, assume 4 days (Senior Geologist)	0	\$85.00	\$0.00	
3	Well development after installation, groundwater sample collection (Technician)	0	\$55.00	\$0.00	
3	Groundwater analysis for VOCs/SVOCs	0	\$138.00	\$0.00	
3	Soil cutting disposal, subtitle D landfill (assume 20 drums)	0	\$150.00	\$0.00	
3	Field time for surveying new wells (2 Technicians)	0	\$55.00	\$0.00	
3	Discrete sampling of rock core well at approx. 80', 100', 125', & 150' using inflatable packers including evaluation of hydraulic flow in various lithologic zones (EnviroRisk time to assist driller)	0	\$1,500.00	\$0.00	
3	Groundwater analysis for SVOCs, "rush turnaround" for discrete samples (3 samples per well)	0	\$180.00	\$0.00	
3	Well construction following geophysical investigation with supplies including 5' prepack and bentonite sleeve	0	\$2,000.00	\$0.00	
3	Field equipment including survey level, multi-parameter meter, Grunfos pump, generator, WL meter, tubing, etc.	0	\$500.00	\$0.00	
3	Project Management/data evaluation (Professional Geologist)	0	\$105.00	\$0.00	
3	Data evaluation/tabulation, preparation of Phase 3 Supplemental Report (Project Scientist)	1	n/a	n/a	
3	PG review of Phase 3 Supplemental Report, deep well rock core logs, geological description (PG)	1	n/a	n/a	
3	Report processing/administrative, data tabulation, figure edits	1	n/a	n/a	
3	Report materials, mailing/shipping costs, misc.	1	n/a	n/a	
	PHASE 3 SUPPLEMENTAL - SUBTOTAL			\$0.00	\$0.00
	PHASE 3 - SUBTOTAL W/CONTINGENCY (10%)			\$0.00	

	Surfactant Treatment System	Unit	Rate	Cost	2023 Incurred
N/A	Treatability evaluation of various surfactants	1	\$6,500.00	\$6,500.00	
N/A	Recovery well yield/drawdown testing	1	\$5,500.00	\$5,500.00	
N/A	Project scheduling/coordinate with vendors	20	\$75.00	\$1,500.00	
N/A	Installation of 28 4" permanent RWs to 50', 6.25" ID, installed using HSA, 25' screens (Driller)	1,400	\$45.50	\$63,700.00	
N/A	Soil management (bobcat) and disposal (assumes 21 tons at Subtitle D)	1	\$2,970.00	\$2,970.00	
N/A	Drilling oversight for recovery wells, assume 10 days (Geologist)	100	\$75.00	\$7,500.00	
N/A	Direct push drilling of injection wells, assumes 140 wells to 35' (day rate driller)	15	\$1,380.00	\$20,700.00	
N/A	Drilling oversight for injection wells, assume 15 days (Technician)	150	\$55.00	\$8,250.00	
N/A	PVC pipe, per foot (140 wells @ 35' = 4900)	4,900	\$4.50	\$22,050.00	
N/A	Injection well vaults and installation	140	\$65.00	\$9,100.00	
N/A	Surfactant injections, assume 500g per well and 3000g/day injected (day rate)	24	\$1,500.00	\$36,000.00	
N/A	Purchase of surfactant (assumes 500g per well of 3-5%)	1	\$60,000.00	\$60,000.00	
N/A	Incidentals	1	\$500.00	\$500.00	
N/A	Trenching and well vault installation (2 Technicians, 2 weeks)	100	\$110.00	\$11,000.00	
N/A	System installation and start-up (2 Technicians, 2 weeks)	80	\$110.00	\$8,800.00	
N/A	2" PVC for influent piping (per foot)	1,260	\$2.05	\$2,583.00	
N/A	Air influent tubing and 2" PVC housing (per foot)	1,260	\$1.95	\$2,457.00	
N/A	30-40 HP air compressor	1	\$6,000.00	\$6,000.00	
N/A	Air pump with quick connects	28	\$1,500.00	\$42,000.00	
N/A	Air pump with pressure regulators	28	\$98.50	\$2,758.00	
N/A	Cycle counters (rather than totalizers)	28	\$185.00	\$5,180.00	
N/A	Downhole tubing (50 ft lengths) within each of the 28 wells	1,400	\$2.75	\$3,850.00	
N/A	2'x2' vaults	28	\$219.00	\$6,132.00	
N/A	Control panel	1	\$1,275.00	\$1,275.00	
N/A	2" PVC ball valves	28	\$18.75	\$525.00	
N/A	PVC elbows (45 degree angles)	28	\$18.75	\$525.00	
N/A	Backhoe rental, each week	10	\$125.00	\$1,250.00	
N/A	Laboratory analysis of 5 influent samples for VOCs/SVOCs	5	\$202.00	\$1,010.00	
N/A	Project Management and Technical Evaluation (Professional Geologist)	16	\$105.00	\$1,680.00	
N/A	Data evaluation/tabulation, preparation of Progress Report (Project Scientist)	32	\$75.00	\$2,400.00	
N/A	Preparation of updated CAD figures (CAD Technician)	8	\$65.00	\$520.00	
N/A	Report processing/administrative	6	\$45.00	\$270.00	
N/A	Report materials, mailing/shipping costs, misc.	1	\$150.00	\$150.00	
	SUBTOTAL			\$344,635.00	\$0.00
	SUBTOTAL W/CONTINGENCY (10%)			\$379,098.50	

	Construction of Treatment Barrier (Phase 8)	Unit	Rate	Cost	2023 Incurred
8	Drilling of 3, 2" wells to 60' around MW-3A for permanganate candle pilot (Driller)	180	\$25.00	\$4,500.00	
8	Drilling oversight (Technician)	8	\$50.00	\$400.00	
8	Purchase of permanganate candles for pilot test in 3 wells, installation	1	\$2,000.00	\$2,000.00	
8	Monthly parameter checks for 6 months, assume 3 hours per check (Technician)	18	\$55.00	\$990.00	
8	Installation of 85, 2" injection wells by augering to 40', screened 25-40' (3,400 total ft)	3400	\$18.75	\$63,750.00	
8	Install flush mount well vaults and concrete pads (no bumper supports)	85	\$50.00	\$4,250.00	
8	Oversight during injection well installation, straight auger, no soil sampling (Staff Geologist - assume 20 days)	200	\$75.00	\$15,000.00	
8	Bobcat & rolloff rental for storage of soil cuttings (assume 5 days - not including disposal)	1	\$1,000.00	\$1,000.00	
8	Installation of permanganate candles, suspended in wells	1	\$3,750.00	\$3,750.00	
8	ISCO candles, 60 wells x 15' = 1275'	900	\$39.75	\$35,775.00	
8	Professional oversight/parameter readings/health & safety monit. (7 days -Staff Scientist)	70	\$55.00	\$3,850.00	
8	30 day follow-up parameter evaluation & sampling of 8 wells for VOCs/SVOCs (Technician)	8	\$50.00	\$400.00	
8	Monthly follow-up checks for 6 months, assume 4 hours each inspection (Technician)	24	\$50.00	\$1,200.00	
8	Groundwater analysis for VOCs/SVOCs	8	\$202.00	\$1,616.00	
8	Equipment: PID meter, multi-parameter low flow meter, peristaltic pump, WL meter, etc.	7	\$125.00	\$875.00	
8	Misc. sampling equipment, expenses, mileage, misc.	1	\$500.00	\$500.00	
8	Data evaluation, CAD figures, report assistance (CAD Technician)	16	\$50.00	\$800.00	
8	Field parameter evaluation/tabulation, assist w/reporting (Staff Scientist)	10	\$65.00	\$650.00	
8	Data evaluation/Project management/limited field oversight (Professional Geologist)	16	\$105.00	\$1,680.00	
	PHASE 8 SUPPLEMENTAL- SUBTOTAL			\$142,986.00	\$0.00
	PHASE 8 - SUBTOTAL W/ CONTINGENCY (10%)			\$157,284.60	

GRAND TOTAL				\$539,166.10	\$5,132.50
--------------------	--	--	--	---------------------	-------------------

DETAIL OF ANNUAL CORRECTIVE ACTION COSTS (Incurred from 10-1-22 to 9-30-23)
William C. Meredith Company, Inc.
2335 Lawrence Street
East Point, Fulton County, Georgia
Hazardous Waste Facility Permit HW-062 (D)
EPA ID No. GAD003323805

Description of Work Phases (ANNUAL SAMPLING)	Unit	Rate	Cost	2023 Incurred
ANNUAL SAMPLING/REPORTING (March) - 17 wells total. Sample wells not containing NAPL for VOCs/SVOCs: MW-3A, MW-3B, MW-5A, MW-5R (NAPL), MW-6R (NAPL), MW-7, MW-7A, MW-7B, MW-8, MW-8A, MW-8B, MW-8B2, MW-9, MW-10, and MW-11 (NAPL), MW-12 and MW-12A. Collect 1 duplicate and 1 equipment blank.				
Groundwater sampling of 14 MWs (assume POC wells contain NAPL), plus duplicate & equipment blank, (low flow - 2 techs - assume 20 hours)	20	\$150.00	\$3,000.00	
Equipment use: Grunfos submersible pump/generator, low flow meter, peristaltic pump, interface probe, tubing	1	\$1,000.00	\$1,000.00	
Sampling supplies, gloves, bailers, mileage, misc.	1	\$225.00	\$225.00	
Groundwater analysis for VOCs/SVOCs (14 samples plus 1 duplicate) NOTE: 21 wells sampled in 2022	15	\$230.00	\$3,450.00	
Field prep	4	\$95.00	\$380.00	
Vehicle mileage	1	n/a	n/a	
Data evaluation, tabulation, CADD figures, report assist. (CADD Technician)	16	\$65.00	\$1,040.00	
Annual Report Preparation (Project Scientist)	40	\$85.00	\$3,400.00	
Project Management/Review (Professional Geologist)	6	\$105.00	\$630.00	
Report processing/administrative	3	\$65.00	\$195.00	
Report materials, books, mailing/shipping costs, misc.	1	\$125.00	\$125.00	
SEMI-ANNUAL SAMPLING/REPORTING EVENT - SUBTOTAL			\$13,445.00	
COST PLUS 10% CONTINGENCY			\$14,789.50	\$0.00

Please note sampling frequency was amended in the March 29, 2018 Class 3 Permit Modification. Sampling in March/April 2021 was a triennial event and costs are split between annual sampling and triennial sampling. All wells on site were sampled. Analytical costs are shared with the Interim Measures analytical cost.

Description of Work Phases (BIENNIAL SAMPLING)	Unit	Rate	Cost	2023 Incurred
BIENNIAL SAMPLING/REPORTING (once every 2 years in March) - 24 wells total for VOCs/SVOCs. Sample 17 wells from annual event listed above plus: MW-1, MW-2, MW-3, MW-4, MW-7B2, MW-13, and MW-14. Collect 1 duplicate and 1 equipment blank.				
Groundwater sampling of 21 MWs (assume POC wells contain NAPL), plus duplicate & equipment blank, 23 total (low flow - 2 techs - assume 30 hours)	30	\$150.00	\$4,500.00	\$4,915.00
Equipment use: Grunfos submersible pump/generator, low flow meter, peristaltic pump, interface probe, tubing	1	\$1,250.00	\$1,250.00	\$1,000.00
Sampling supplies, gloves, bailers, mileage, misc.	1	\$250.00	\$250.00	\$225.00
Groundwater analysis for VOC/SVOC (21 samples plus one duplicate)	22	\$230.00	\$5,060.00	\$5,109.60
Data evaluation, tabulation, CADD figures, report assist. (CADD Technician)	12	\$65.00	\$780.00	\$840.00
Annual Report Preparation (Project Scientist)	20	\$85.00	\$1,700.00	\$3,360.00
Project Management/Report Prep/Review (Professional Geologist)	6	\$105.00	\$630.00	\$960.00
Report processing/administrative	3	\$65.00	\$195.00	\$255.00
Report materials, books, mailing/shipping costs, misc.	1	\$125.00	\$125.00	\$320.00
SEMI-ANNUAL SAMPLING/REPORTING EVENT - SUBTOTAL			\$14,490.00	\$16,984.60
COST PLUS 10% CONTINGENCY			\$15,939.00	\$18,683.06

Please note sampling frequency was amended in the March 29, 2018 Class 3 Permit Modification.

Description of Work Phases (TRIENNIAL SAMPLING)	Unit	Rate	Cost	2023 Incurred
TRIENNIAL SAMPLING/REPORTING (once every 3 years in March) - Sample 17 wells for VOCs/SVOCs (annual list above). Collect one duplicate and 1 equipment blank. Sample the following 6 wells for metals: MW-2, MW-3, MW-5R, MW-8, MW-11, and MW-12. Sample MW-7B for dioxins/furans. Collect sample from one POC well for Appendix IX/dioxins/furans. Report prep time etc. listed in annual tasks above.				
Groundwater sampling for VOCs, SVOC, metals, dioxins/furans, and Appendix IX (low flow - 2 techs - assume 10 hours) Time for sampling VOCs/SVOCs in Annual Event above.	10	\$150.00	\$1,500.00	
Equipment use: additional costs only for metals/dioxins/furans/Appendix IX	1	\$100.00	\$100.00	
Sampling supplies, gloves, bailers, mileage, misc. Additional costs only for metals/dioxins/furans/Appendix IX.	1	\$50.00	\$50.00	
Groundwater analysis for VOCs/SVOCs (1 POC well), other analytical costs in Annual Event above	1	\$230.00	\$230.00	
Groundwater analysis for Appendix IX Parameters (excluding dioxins/furans) - 1 POC well	1	\$1,000.00	\$1,000.00	
Groundwater analysis for Metals including sulfide (6 wells)	6	\$145.00	\$870.00	
Groundwater analysis for Dioxins/Furans (POC well plus MW-7B)	2	\$1,150.00	\$2,300.00	
Data evaluation, tabulation, CADD figures, report assist. Only includes additional time for metals/dioxins/furans/Appendix IX data (CADD Technician)	4	\$65.00	\$260.00	
Report Preparation, only includes additional time for metals/dioxins/furans/Appendix IX data (Project Scientist)	8	\$85.00	\$680.00	
Project Management/Report Prep/Review (Professional Geologist)	4	\$105.00	\$420.00	
Report processing/administrative (included with annual costs above)	3	\$65.00	\$195.00	
Report materials, books, mailing/shipping costs, misc. (included with annual costs above)	1	\$125.00	\$125.00	
ANNUAL SAMPLING/REPORTING EVENT - SUBTOTAL			\$7,730.00	
COST PLUS 10% CONTINGENCY			\$8,503.00	\$0.00

Please note sampling frequency was amended in the March 29, 2018 Class 3 Permit Modification. Sampling in March/April 2021 was a triennial event and costs are split between annual sampling and triennial sampling. All wells on site were sampled. Analytical costs are shared with the Interim Measures analytical cost.

TOTAL 30 YEAR COST FOR SAMPLING / REPORTING				
ANNUAL COSTS (30 EVENTS)	30.0	\$14,789.50	\$443,685.00	
BIENNIAL COSTS (15 EVENTS)	15.0	\$15,939.00	\$239,085.00	
TRIENNIAL COSTS (10 EVENTS)	10.0	\$8,503.00	\$85,030.00	
TOTAL 30 YEAR COST FOR SAMPLING / REPORTING			\$767,800.00	\$18,683.06

DETAIL OF ANNUAL CORRECTIVE ACTION COSTS (Incurred from 10-1-22 to 9-30-23)
William C. Meredith Company, Inc.
2335 Lawrence Street
East Point, Fulton County, Georgia
Hazardous Waste Facility Permit HW-062 (D)
EPA ID No. GAD003323805

Description of Work Phases	Unit	Rate	Cost	2023 Incurred
Inspection/Maintenance Associated with Closed HWMU, Monitoring Wells (routine quarterly inspections, maintenance, repair by site manager or independent contractor)				
Daily inspections, 1.0 hr/day (refer to Appendix F-1 to F-9 for detailed list)	250.0	\$80.00	\$20,000.00	\$20,000.00
Routine quarterly inspections (assume 4 trips @ 1 hours per inspection)	4.0	\$80.00	\$320.00	\$320.00
Inspection Trip after 3" rain storm (assume 2 insp. per year @ 2 hours)	4.0	\$80.00	\$320.00	\$320.00
HWMU maintenance - add fertilizer to grass cover (1/2 acre) 1 application per year	1.0	\$100.00	\$100.00	\$100.00
HWMU maintenance - mow grass, 18 times per year or 2 times per month for 9 months	9.0	\$100.00	\$900.00	\$900.00
HWMU maintenance - repair cap topsoil, re-seed due to rain damage, etc.	1.0	\$150.00	\$150.00	\$150.00
HWMU maintenance - repair run-on/run-off control, crushed rock on ditches	1.0	\$1,500.00	\$1,500.00	\$31,147.30
Misc. - replacement cost for monitoring well locks, assume every 15 years, \$200 div. by 15	1.0	\$13.33	\$13.33	\$13.33
Misc. - re-paint well procovers/casing & bollards, assume every 5 years, \$450 div. by 5	1.0	\$90.00	\$90.00	\$90.00
Misc. - repaint well numbers on casings each year, assume 3 hours @ \$35 plus \$15 for paint	1.0	\$120.00	\$120.00	\$120.00
Misc. - re-grading of soil around concrete well pads, assume 1 pad per year @ 2 hours	1.0	\$160.00	\$160.00	\$160.00
ANNUAL COST FOR INSPECTION/MAINTENANCE FOR CLOSED HWMU - SUBTOTAL			\$23,673.33	\$53,320.63
ADMINISTRATIVE COST (5%)				\$1,183.67
COST PLUS 5% CONTINGENCY			\$26,099.85	

Description of Work Phases	Unit	Rate	Cost	2023 Incurred
CURRENT CORRECTIVE ACTION COSTS FOR O&M OF PUMP-AND-TREAT SYSTEM INCLUDING OPERATION OF WASTE WATER TREATMENT SYSTEM & HAZARDOUS WASTE DISPOSAL, ETC.				
Electricity est. to operate 5 HP compressor for treatment system & groundwater pumping system	1.0	\$2,777.00	\$2,777.00	\$2,777.00
Misc. electricity to operate sump pump & filter press	1.0	\$750.00	\$750.00	\$750.00
Labor to operate treatment system, groundwater pumps, filter press, etc. (2 hrs/day @ 104 days/yr)	208.0	\$20.00	\$4,160.00	\$4,160.00
Purchase of flocculation chemicals	1.0	\$2,260.00	\$2,260.00	\$2,800.00
Laboratory analysis of effluent water samples for sanitary sewer discharge	12.0	\$250.00	\$3,000.00	\$2,795.00
Replacement of treatment system filters	12.0	\$5.00	\$60.00	\$60.00
Replacement of activated carbon for treatment system, assume once per year, 2000 lbs per year	2,000.0	\$1.14	\$2,280.00	\$2,280.00
Replace filter powder for treatment system	1.0	\$5,840.00	\$5,840.00	\$5,375.66
Add heating elements and insulation to air lines	1.0	\$150.00	\$150.00	\$0.00
Replace two heat elements in separator tank	1.0	\$60.00	\$60.00	\$0.00
Air compressor service	1.0	\$500.00	\$500.00	\$500.00
Repair pumps, hoses, filter press, etc. for system	1.0	\$2,000.00	\$2,000.00	\$2,000.00
Transportation & disposal of hazardous waste, free product & wastewater generated filter press cake	1.0	\$7,375.00	\$7,375.00	\$11,209.24
ANNUAL COST FOR O&M FOR PUMP AND TREAT & WASTEWATER TREATMENT SYSTEM			\$31,212.00	\$34,706.90
COST PLUS 5% CONTINGENCY			\$32,772.60	
ASSUME 75% OF TOTAL O&M COSTS (PORTION OF COSTS TOWARDS FACILITY OPERATIONS)			\$24,579.45	\$26,030.18
TOTAL ANNUAL COST FOR INSPECTION/MAINTENANCE OF HWMU AND O&M SYSTEM			\$50,679.30	\$79,350.81

SUMMARY OF COSTS (Incurred from 10-1-22 to 9-30-23)
William C. Meredith Company, Inc.
2335 Lawrence Street
East Point, Fulton County, Georgia
Hazardous Waste Facility Permit HW-062 (D)
EPA ID No. GAD003323805

SUMMARY OF ADDITIONAL DELINEATION/REMEDATION SERVICES COSTS			
PHASE	DESCRIPTION OF PHASES	COST	2023 Incurred
<i>Costs will be updated, as needed, with the appropriate Progress Reports</i>			
4	SWMU 9 & 10 DELINEATION (SUPPLEMENTAL)	\$0.00	\$5,132.50
N/A	PART-B PERMIT PREPARATION	\$0.00	\$36,121.25
N/A	2021-2022 FISCAL YEAR COST ESTIMATE	\$0.00	\$1,957.50
N/A	IMPOUNDMENT INVESTIGATION	\$2,783.00	\$0.00
3	VERTICAL BEDROCK DELINEATION (SUPPLEMENTAL)	\$0.00	\$0.00
N/A	SURFACTANT TREATMENT SYSTEM	\$379,098.50	\$0.00
8	CONSTRUCTION OF TREATMENT BARRIER	\$157,284.60	\$0.00
TOTAL DELINEATION/REMEDATION		\$539,166.10	\$43,211.25
SUMMARY OF SAMPLING/REPORTING AND O&M SYSTEM COSTS			
		COST	2023 Incurred
ANNUAL COST FOR SAMPLING AND REPORTING		\$0.00	\$18,683.06
30 YEAR COST FOR SAMPLING AND REPORTING		\$767,800.00	n/a
ANNUAL COST FOR INSPECTION/MAINTENANCE OF HWMU		\$26,099.85	\$53,320.63
30 YEAR COST FOR INSPECTION/MAINTENANCE OF HWMU		\$782,995.50	n/a
ANNUAL YEAR COST FOR O&M SYSTEM		\$24,579.45	\$26,030.18
30 YEAR COST FOR O&M SYSTEM		\$737,383.50	n/a
TOTAL SAMPLING/REPORTING AND O&M COSTS, 30 YEARS		\$2,288,179.00	\$98,033.87
GRAND TOTAL FOR 30 YEARS			
TOTAL DELINEATION/REMEDATION/SAMPLING/REPORTING/O&M		\$2,827,345.10	n/a
YEARLY COST (TOTAL / 20)		\$141,367.26	n/a
2023 TOTAL INCURRED COSTS			
ADDITIONAL DELINEATION/REMEDATION SERVICES COSTS			\$43,211.25
SAMPLING/REPORTING AND O&M SYSTEM COSTS			\$98,033.87
TOTAL SPENT IN 2023			\$141,245.12
SHORTAGE FOR 2023			\$122.14

NOTES: The fiscal year during this reporting period is October 1, 2022 - September 30, 2023.