TASK ORDER NO. 2026-1
BETWEEN
OWNER AND ENGINEER
FOR PROFESSIONAL ENGINEERING SERVICES

FURTHER DESCRIPTION OF BASIC ENGINEERING SERVICES
AND RELATED MATTERS

This Task Order is hereby included as an addition to and incorporated as part of the Agreement for Engineering services dated _____ between County of Burke (OWNER), and Garrett & Moore, Inc. (ENGINEER) for Professional Engineering Services.

Burke County Landfill Sites

Fall 2025 Environmental Monitoring and Reporting

This Task Order describes services to be provided to address the required Fall 2025 environmental monitoring and reporting obligations for the following Burke County Landfill sites:

1. **Johns River C&D Expansion Landfill (Permit No. 12-03)**
   - 1.1. Fall 2025 Water Quality Monitoring and Reporting
   - 1.2. 2025 Q4 Quarterly Methane Gas Monitoring and Reporting
   - 1.3. 2025 Q4 Quarterly Stormwater Monitoring and Reporting
2. **Johns River Construction & Demolition (C&D) over Municipal Solid Waste (MSW) Landfill (Permit No. 1203-MSWL-1987/1203-CDLF-1998)**
   - 2.1. Fall 2025 Water Quality Monitoring and Reporting
   - 2.2. 2025 Q4 Quarterly Methane Gas Monitoring and Reporting
3. **East Burke Landfill (Permit No. 12-02)**
   - 3.1. Fall 2025 Water Quality Monitoring and Reporting
   - 3.2. 2025 Q4 Quarterly Methane Gas Monitoring and Reporting
4. **Kirksey Drive Landfill (Permit No. 12-01)**
   - 4.1. Fall 2025 Water Quality Monitoring and Reporting
   - 4.2. 2025 Q4 Quarterly Methane Gas Monitoring and Reporting

1. **The Basic Services of ENGINEER for this Task Order are as follows:**

TASK 1 – JOHNS RIVER C&D EXPANSION LANDFILL (PERMIT NO. 12-03)

SUBTASK 1.1 – FALL 2025 WATER QUALITY MONITORING & REPORTING

The Johns River C&D Expansion Landfill is currently in a Detection Monitoring Program with annual sampling events. Groundwater samples will be collected from six monitoring wells (MW-20, MW-21, MW-23S, MW-30, MW-35, MW-36, and MW-38) for analysis of Appendix I constituents, 1,4-dioxane, and C&D parameters. In addition, monitoring wells MW-15S, PZ-12, PZ-30S, and PZ-31 are sampled every three years with the next sampling event in 2027 (per DEQ Solid Waste Section letter dated August 8, 2025). Two additional supplemental wells (MW-23D and MW-24D) are located at the site but are not included in the routine monitoring program and are only sampled if needed. There is no surface water sampling included in the C&D Expansion Landfill monitoring plan, as site surface water is sampled as part of the C&D- over-MSW Landfill monitoring plan. QA/QC samples will include a trip blank for Appendix I VOCs, 1,4-dioxane, and tetrahydrofuran, and a field blank for Appendix I constituents, 1,4-dioxane, C&D parameters, and tetrahydrofuran.

ENGINEER will prepare a Water Quality Monitoring Report to document the semi-annual groundwater and surface water monitoring activities conducted during the second half of 2025. The report will include a DEQ Environmental Monitoring Reporting Form and will be prepared under the supervision of, and sealed by, a North Carolina Licensed Geologist. The content will be consistent with previously submitted reports for each site and will include similar text sections, tables, figures, and appendices.

SUBTASK 1.2 – 2025 Q4 METHANE MONITORING & REPORTING

Quarterly methane gas monitoring at the Johns River Landfill will be conducted at 34 locations, including ten gas probes (GP-1S, GP-1D, GP-2S, GP-2I, GP-2D, GP-4, GP-5, GP-6, GP-7, and GP-8), seven gas vents (GV-1 through GV-7), sixteen gas monitoring points (GMP-1 through GMP-7, GMP-7A, and GMP-8 through GMP-15), and one gas extraction unit post-flare location.

Monthly methane gas monitoring will be conducted in November 2025 and December 2025 at the Johns River Landfill for one gas probe (GP-5) and one gas monitoring point (GMP-15), where methane levels have previously exceeded acceptable limits.

A DEQ Solid Waste Section Landfill Gas Monitoring Data Form will be completed and the report submitted to DEQ.

Note that fees for this subtask have been split between Subtask 1.2 (C&D Expansion Methane Monitoring) and Subtask 2.2 (C&D-Over-MSW Methane Monitoring)

SUBTASK 1.3 – 2025 Q4 STORMWATER MONITORING AND REPORTING

ENGINEER will conduct stormwater sampling at the Johns River Landfill for 2025 Q4. Following a qualifying precipitation event, stormwater will be collected from facility outfalls identified in the site Stormwater Pollution Prevention Plan (SWPPP). Samples from each outfall will be analyzed for total suspended solids, pH, chemical oxygen demand, fecal coliform, and VOCs. Additionally, samples from outfalls in drainage areas that use more than 55 gallons per month of new hydraulic oil on average will also be analyzed for non-polar oil and grease. Upon receipt of laboratory data the Stormwater Discharge Monitoring Report (DMR) Form will be prepared by the ENGINEER and will submitted to DEQ by a Burke County representative.

We have assumed that all outfalls may be sampled in a single mobilization for this Task.

TASK 2 – JOHNS RIVER C&D-OVER-MSW LANDFILL (PERMIT NO. 1203-MSWL-1987/1203-CDLF-1998)

SUBTASK 2.1 - FALL 2025 WATER QUALITY MONITORING & REPORTING The Johns River C&D-over-MSW Landfill is currently in both an Assessment Monitoring Program and a Corrective Action Monitoring Program with semiannual sampling events. Groundwater samples will be collected from six monitoring wells (MW-10, MW-11, MW-12, MW-13, MW-16S, and MW-21) as part of the assessment monitoring, and from four monitoring wells (MW-18, MW-19, MW-36, and MW-38) as part of the corrective action monitoring. During the first half semiannual monitoring event, the assessment monitoring wells are analyzed for Appendix I constituents, detected Appendix II constituents (cyanide, tin, mercury, and dichlorodifluoromethane), 1,4-dioxane, and C&D parameters. During the second half semiannual event (including the subject second half 2025 event), these wells are analyzed for Appendix II constituents, 1,4-dioxane, and C&D parameters. Corrective action monitoring wells are sampled for constituents of concern including select VOCs and select metals. In addition, select monitoring wells in both assessment monitoring (MW-11, MW-12, MW-16S, and MW- 21) and corrective action (MW-18 and MW-19) monitoring are also sampled for monitored natural attenuation (MNA)

parameters, including temperature, pH, specific conductance, oxidation-reduction potential, dissolved oxygen, nitrate, sulfate, chloride, dissolved hydrogen, alkalinity, total organic carbon, ethane, and ferrous iron.

Surface water samples will be collected from three locations (SMP-5, SMP-6, and SMP-7) and analyzed for Appendix I constituents, detected Appendix II constituents (cyanide, tin, mercury, and dichlorodifluoromethane), and 1,4-dioxane. QA/QC samples will include a trip blank for Appendix I VOCs, 1,4-dioxane, and tetrahydrofuran, and a field blank for Appendix I constituents, Appendix II constituents, 1,4-dioxane, and C&D parameters.

In accordance with the requirements of the landfill's Corrective Action Plan (CAP), additional MNA parameters, including carbon dioxide, sulfide, volatile fatty acids, ethane, and ethene, are analyzed during the first and second half semiannual events every five years for select wells (MW-11, MW-12, MW-16S, MW-18, MW-19, and MW-21). This schedule aligns with the two events immediately preceding the next Corrective Action Evaluation Report (CAER), which includes the spring and fall events in 2025. As such, sampling for these additional MNA parameters will be included during the scheduled water quality monitoring event at the Johns River C&D-over-MSW Landfill.

ENGINEER will prepare a Water Quality Monitoring Report to document the semi-annual groundwater and surface water monitoring activities conducted during the second half of 2025. The report will include a DEQ Environmental Monitoring Reporting Form and will be prepared under the supervision of, and sealed by, a North Carolina Licensed Geologist. The content will be consistent with previously submitted reports for each site and will include similar text sections, tables, figures, and appendices.

SUBTASK 2.2 – 2025 Q4 METHANE MONITORING & REPORTING

Quarterly methane gas monitoring at the Johns River Landfill will be conducted at 34 locations, including ten gas probes (GP-1S, GP-1D, GP-2S, GP-2I, GP-2D, GP-4, GP-5, GP-6, GP-7, and GP-8), seven gas vents (GV-1 through GV-7), sixteen gas monitoring points (GMP-1 through GMP-7, GMP-7A, and GMP-8 through GMP-15), and one gas extraction unit post-flare location.

Monthly methane gas monitoring will be conducted in November 2025 and December 2025 at the Johns River Landfill for one gas probe (GP-5) and one gas monitoring point (GMP-15), where methane levels have previously exceeded acceptable limits.

A DEQ Solid Waste Section Landfill Gas Monitoring Data Form will be completed and the report submitted to DEQ.

Note that fees for this subtask have been split between Subtask 1.2 (C&D Expansion Methane Monitoring) and Subtask 2.2 (C&D-Over-MSW Methane Monitoring)

TASK 3 – EAST BURKE LANDFILL (PERMIT NO. 12-02)

SUBTASK 3.1 - FALL 2025 WATER QUALITY MONITORING & REPORTING

The East Burke Landfill is currently in a Detection Monitoring Program with semiannual sampling events. Groundwater samples will be collected from four monitoring wells (MW-1, MW-2, MW-3, and AMW-3) for analysis of Appendix I constituents and 1,4-dioxane. Surface water samples will be collected from two locations (SW-1 and SW-2) for analysis of Appendix I constituents and 1,4-dioxane. QA/QC samples will include a trip blank for VOCs and 1,4- dioxane, and a field blank for Appendix I constituents and 1,4-dioxane.

ENGINEER will prepare a Water Quality Monitoring Report to document the semi-annual groundwater and surface water monitoring activities conducted during the second half of 2025. The report will include a DEQ Environmental Monitoring Reporting Form and will be prepared under the supervision of, and sealed by, a North Carolina Licensed Geologist. The content will be consistent with previously submitted reports for each site and will include similar text sections, tables, figures, and appendices.

SUBTASK 3.2 – 2025 Q4 METHANE MONITORING & REPORTING

Methane gas monitoring at the East Burke Landfill includes seven gas probes (GP-1, GP-1B, and GP-2 through GP-6). The fourth quarter 2025 monitoring event will be conducted concurrently with the second half water quality monitoring event for this site.

A DEQ Solid Waste Section Landfill Gas Monitoring Data Form will be completed and the report submitted to DEQ.

TASK 4 – KIRKSEY DRIVE LANDFILL (PERMIT NO. 12-01)

SUB-TASK 4.1 – FALL 2025 WATER QUALITY MONITORING & REPORTING

The Kirksey Drive Landfill is currently in a Detection Monitoring Program with semiannual sampling events. Groundwater samples will be collected from eight monitoring wells (MW-1, MW-2, MW-3D, MW-3S, MW-4, MW-5, MW-6D, and MW-6S) for analysis of Appendix I constituents and 1,4-

dioxane. Surface water samples will be collected from three locations (SMP-1, SMP-2, and SMP-3) for analysis of Appendix I constituents and 1,4-dioxane. Quality assurance/quality control (QA/QC) samples will include a trip blank for VOCs and 1,4-dioxane, and a field blank for Appendix I constituents and 1,4-dioxane.

ENGINEER will prepare a Water Quality Monitoring Report to document the semi-annual groundwater and surface water monitoring activities conducted during the second half of 2025. The report will include a DEQ Environmental Monitoring Reporting Form and will be prepared under the supervision of, and sealed by, a North Carolina Licensed Geologist. The content will be consistent with previously submitted reports for each site and will include similar text sections, tables, figures, and appendices.

SUBTASK 4.2 – 2025 Q4 METHANE MONITORING & REPORTING

Methane gas monitoring at the Kirksey Drive Landfill includes six gas probes (GP-1 through GP-6) and three structures: the National Guard Armory, Friends for Animals (SPCA), and the Burke County Animal Shelter. The fourth quarter 2025 monitoring event will be conducted concurrently with the second half water quality monitoring event for this site.

A DEQ Solid Waste Section Landfill Gas Monitoring Data Form will be completed and the report submitted to DEQ.

2. **The responsibilities of OWNER are as follows:**

    1. Review all project deliverables in a timely manner and forward submittals to ENGINEER as appropriate.

3. **The time period for the performance of ENGINEER's services are as follows:**

    - Water quality sampling will be completed within 30 days following task order approval, and reporting completed within DEQ-specified time following receipt of analytical data.
    - Methane monitoring will be completed before the end of calendar year 2025.
    - Stormwater monitoring will be completed before the end of calendar year 2025.

4. The method of payment for services rendered by ENGINEER shall be set forth as follows:

See Table 1 below for fee schedule. ENGINEER will invoice Owner monthly by task on percent complete.

Table 1

Task Order 2026-1 Fees

Task	Task Description	Fee
Task 1 Johns River C&D Expansion Landfill		
1.1	Fall 2025 Water Quality Monitoring and Reporting	$ 13,240
1.2	2025 Q4 Methane Monitoring and Reporting	$ 2,695
1.3	2025 Q4 Stormwater Monitoring and Reporting	$ 7,020
Task 1 Johns River C&D Expansion Subtotal		**$ 22,955**
Task 2 Johns River C&D-Over-MSW Landfill		
2.1	Fall 2025 Water Quality Monitoring and Reporting	$ 26,740
2.2	2025 Q4 Methane Monitoring and Reporting	$ 2,695
Task 2 Johns River C&D-Over-MSW Subtotal		**$ 29,435**
Task 3 East Burke Landfill		
3.1	Fall 2025 Water Quality Monitoring and Reporting	$ 9,840
3.2	2025 Q4 Methane Monitoring and Reporting	$ 1,705
Task 3 East Burke Landfill Subtotal		**$ 11,545**
Task 4 Kirksey Drive Landfill		
4.1	Fall 2025 Water Quality Monitoring and Reporting	$ 15,940
4.2	2025 Q4 Methane Monitoring and Reporting	$ 1,705
Task 4 Kirksey Drive Landfill Subtotal		**$ 17,645**

5. **OWNER has established the following special provision and/or other consideration or requirements in respect to the Assignment.**

None.

IN WITNESS WHEREOF, the parties hereto have executed this Task Order to be effective as of the date executed by OWNER.

FOR THE OWNER:	FOR THE ENGINEER:
County of Burke	**Garrett & Moore, Inc.**
By: _____	By: _____
Name: _____	Name: Vance F. Moore, P.E.
Title: _____	Title: President
Date: _____	Date: October 17, 2025