

EXHIBIT C
Task Order Number 19-02
Groundwater Monitoring Program and Monitor Natural Attenuation (MNA) at the
Buncombe County Old Landfill
Buncombe County Environmental Management Department

SCOPE OF SERVICES

Scope of Work Description

This proposal provides for the continued surface and groundwater monitoring at the Old Buncombe County Landfill by SCS Engineers, P.C. (SCS). The period of this agreement begins with the initiation of the task order and ends following the approval of reports submitted to North Carolina Department of Environmental Quality (DEQ) following the sampling/testing to be conducted during the 2nd quarter of 2019. The Old County Landfill (OCL) is a closed solid waste disposal facility. Groundwater and surface water monitoring is a requirement of the solid waste regulations under which the facility is permitted. The base testing procedure for the facility and the individual wells is the Appendix 1 of 40 CFR Part 258 constituents. Sampling and testing according to Appendix II is required for certain testing periods for some of the wells at the OCL. Some of the wells require that only field parameter data be gathered.

The wells and surface water locations at the OCL facility must be sampled and the results reported to DEQ semi-annually, which will be twice during the term of this proposal. MNA testing will be conducted at the designated wells with both sampling events. A five year MNA report will be required during the term of contract following this agreement that will be initiated after July 1, 2019.

The first sampling event under this agreement will be the 4th quarter of 2018 with the second sampling event occurring in the 2nd quarter of 2019. This task order will continue in effect until the final report for the last scheduled sampling/testing event is accepted by DEQ.

From time to time the County calls on SCS to provide engineering support for tasks on an on-call basis. To provide for quick response a task for engineering support is included in this proposal. Direction to conduct efforts under this task will be from the Solid Waste Director and/or his designate.

To provide these services the following scope is proposed:

SCOPE OF SERVICES

TASK 1 – Semi-Annual Groundwater and Surface Water Sampling

SCS will provide semi-annual sampling services for the OCL in accordance with the Site Permit (Permit No. 1101), Corrective Action Plan (CAP) approved by DEQ on September 24, 2014 and

DEQ Solid Waste Regulations (NCAC 13B.1632 and Groundwater, Surface Water, and Soil Sampling for Landfills). This service includes groundwater-monitoring wells and surface monitoring locations. Some of the wells associated with Area D of the landfill will be sampled for Appendix II constituents during the 4th quarter sampling event as required by DEQ. Up to seventeen monitoring wells will be tested for field parameters only. Additionally, MNA parameters will be collected semi-annually in to address data required to prepare a five year status report in accordance with the CAP approved by DEQ. Travel and/or equipment blanks will be collected and processed for quality control. The sampling results will be transmitted to DEQ and the County with the semi-annual reports. Additionally, SCS will provide the County with a Microsoft Access database file with the results. At the old landfill there are 24 groundwater monitoring wells, 14 additional inactive monitoring wells that are checked for certain field parameters, 5 surface water sampling locations, 4 wells that are tested for additional parameters, and 10 Monitoring Natural Attenuation wells. Funds are included in the budget for potential re-testing if necessary of surface or groundwater, thus the number of wells in the fee estimate summary table may be different from the number above. Note that testing requirements vary between the individual semi-annual testing periods.

Task 2 – Reporting

SCS will provide groundwater reporting services for the OCL in accordance with the Site Permit (Permit No. 1101), Corrective Action Plan (CAP) approved by DEQ on September 24, 2014 and DEQ Solid Waste Regulations (NCAC 13B.1632). SCS will review analytical results and report any exceedances.

The semi-annual reports will include groundwater contour figures, data summary tables, a brief summary of the analytical results, and discussion regarding historical trends and other related issues affecting groundwater quality. Reports will be submitted to DEQ and the County within 120 days from the date of sampling as required by DEQ. The latest version of the DEQ reporting form will be used to relay the data to the state agency.

If a re-sampling event occurs a letter report will be prepared summarizing the data from the re-sampling event within 30 days of receipt of final results from the laboratory. Response to one round of DEQ review comments is included.

Task 3 – Monitoring and Natural Attenuation (MNA)

SCS will conduct MNA reporting in accordance with the approved CAP (September 24, 2014) and the DEQ Response to Request for Reduction of MNA Parameters letter dated December 15, 2016. MNA parameters will be collected with the semi-annual sampling. An annual MNA report is due with the fall 2018 semi-annual sampling. Additionally in 2019, MNA reports are due with the spring and fall sampling events in accordance with the DEQ Response to Request for Reduction of MNA Parameters. This contract will cover two MNA reports, one in the fall of 2018 and one in the spring of 2019.

Task 4 – Site Access Road and Minor Well Maintenance

Access to the groundwater and gas monitoring well locations must be maintained for the timely conducting of the sampling program. Failure to do so could lead to notices of violation if the sampling/reporting process does not follow state requirements. Road access to each monitoring point based on the established access road system for the site will be conducted on a quarterly basis for the gas monitoring wells and twice during the term of this agreement for the groundwater wells. This task excludes tree cutting or other major maintenance activities. If these services are needed, they will be discussed with the County and any additional costs will be agreed upon before proceeding with such work. Routine minor maintenance of the gas monitoring wells and the groundwater wells will be conducted on an as-needed basis and will be conducted as per direction of the County staff.

Task 5 – Other Engineering Services

From time to time situations arise that either are short in duration or need rapid response. To address this type of effort, funds are included in this proposal in order for SCS to respond upon short notice. Larger assignments may be initiated under this agreement in order to respond quickly and to determine the extent of the effort required to perform the professional services. In those cases a separate task order may be prepared to complete the assignment.

GENERAL NOTE

Note that testing beyond the parameters discussed above is not included in this proposal, however, should it become necessary to test for parameters other than Appendix I, Appendix II, and MNA parameters, SCS will provide an estimate of such costs to the County for approval prior to initiating those services. Additionally, should sampling and testing services be required at other County locations, the testing rates noted herein will be honored. Testing locations may be added or removed from this estimate at the direction of the County's solid waste representative. Should the number of locations be changed by more than 20%, the right to renegotiate the fees is reserved.

SAMPLING FEES

Sampling fees are incorporated into the Appendix I and Appendix II rates referenced above. Sampling fees for special tests will be determined and agreed to with the County prior to the sampling event. Expedited laboratory analytical results, quicker than the standard one week turn around, will incur additional charges.

DELIVERABLES AND SCHEDULE

Work will commence within 30 days of notice to proceed and will be completed by 09/30/2019 or by final acceptance of the required reports by DEQ. Schedule includes 2 events of sampling/testing groundwater and surface water including testing required under the MNA program. Some funds are included for on-call minor/preliminary engineering services

Compensation

Compensation to the Contractor for services performed under this Task Order will be in accordance with the (lump sum or time and materials (circle one)) invoice method and shall be based upon the fees as set out in the Agreement.

SCS ENGINEERS, PC proposes to complete this Task for a fee of \$195,315. This fee, which is based on the assumptions provided in this Task Order proposal, shall not be exceeded without written authorization from the County. See Attachment 1 for breakdown of fees.

<p>BUNCOMBE COUNTY BOARD OF COUNTY COMMISSIONERS</p> <p>By:</p> <p>_____ (Signature)</p> <p>_____ (Printed Name)</p> <p>_____ (Title)</p> <p>_____ (Date)</p>	<p>CONTRACTOR SCS ENGINEERS, PC</p> <p>By:</p> <p><u>C. Ed Hilton, Jr.</u> (Signature)</p> <p>C. Ed Hilton, Jr. PE (Printed Name)</p> <p>Vice President (Title)</p> <p><u>10/22/18</u> (Date)</p>
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THIS INSTRUMENT HAS BEEN PRE-AUDITED IN THE MANNER REQUIRED BY THE LOCAL GOVERNMENT AND FISCAL CONTROL ACT

Finance Director

Approved as to form:

County Attorney/County Staff Attorney

Attachment 1

Old Landfill Sampling	Units	Unit Rate	Estimated Fees- 1 Year
TASK 1 - Semi-Annual Sampling/Testing			
Groundwater Monitoring Wells (Appendix I)	55	\$414.00	\$22,770.00
Groundwater Monitoring Wells (Appendix II)	8	\$1,138.50	\$9,108.00
Surface Water Locations	12	\$327.75	\$3,933.00
Field Parameter Collection	28	\$115.00	\$3,220.00
Travel Blanks	20	\$69.00	\$1,380.00
Equipment Blanks	20	\$161.00	\$3,220.00
Subtotal			<u>\$43,631.00</u>
TASK 2- Semi-Annual Reporting			
Semi-Annual Reports/Project Management	2	\$19,006.35	\$38,012.70
Carry over from prior contract	1	\$7,006.35	\$7,006.35
Subtotal			<u>\$45,019.05</u>
TASK 3- Monitoring and Natural Attenuation (MNA) Sampling/Reporting			
Sampling/Lab Testing (MNA)	26	\$957.95	\$24,906.70
Reporting	2	\$9,940.00	\$19,880.00
Carry over from prior contract	1	\$718.36	\$718.36
Subtotal			<u>\$45,505.06</u>
TASK 4- Site Access Road & Minor Well Maintenance	2	\$12,900.00	\$25,800.00
TASK 5- Engineering Services	1	\$35,360.00	\$35,360.00
TOTAL Estimated Fees for 1 Year Term			\$195,315.11