



February 5, 2016

North Carolina Department of Environmental Quality
Division of Waste Management, Pre-Regulatory Landfill Unit
1646 Mail Service Center
Raleigh, North Carolina 27699

Attn: Ms. Analee Thornburg
Project Manager

Re: **Point of Entry (POE) System Maintenance Proposal and Cost Estimate
Task Order 571POE-9
Albemarle Dump
Albemarle, Stanly County, North Carolina
ID# NONCD0000571**

Dear Ms. Thornburg:

URS Corporation – North Carolina (URS) is pleased to provide this proposal and cost estimate for point-of-entry (POE) systems maintenance, post-maintenance sampling, and reporting activities at the Albemarle Dump. The POE systems included as part of this task order include those located at 32311 and 32322 Nanny Drive, 29387 Pennington Road (Joshua Youth Camp), 31796 Old Herlocker Road, and 34512 Tiffany Lane. This proposal is in response to the Pre-Regulatory Landfill Unit's (the Unit) request for proposal dated February 1, 2016. The POE systems serve as temporary resolutions to elevated contaminants of concern (COCs) in the residential potable wells.

Field activities will be performed in accordance with the URS Standard Operating Procedures/Quality Assurance Manual (SOP/QAM), dated June 21, 2010. Cost estimates for the individual tasks covered by this proposal are attached. A cost estimate for the solicited analytical services is provided as **Table 1**. Field days are estimated to be 12 hour days plus travel time. Office hours include populating sampling data tables, report section detail, and analytical completeness review.

System Maintenance Scope of Work

As directed by the Unit, URS will contract a POE system maintenance firm to perform annual maintenance including exchanging carbon vessels, ultraviolet unit service, chlorine injection unit and particle filter service, filter replacement, and carbon disposal for the POE systems associated with the five residences. In addition, one year's supply of filters will be provided to each resident for the respective POE system as part of this task order. A cost estimate for the associated POE system maintenance activities is attached.

System Sampling

Effluent water samples will be collected from the potable well systems at 32311 and 32322 Nanny Drive, Joshua Youth Camp (29387 Pennington Road), 31796 Old Herlocker Road, and 34512 Tiffany Lane following maintenance of the POE systems. System samples will be collected after maintenance into laboratory-supplied containers and submitted to the laboratory for the analysis of volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260B. The analytical methods utilized will have the lowest detection limits possible that are equivalent to or less than the North Carolina 2L standards and applicable Maximum Contaminant Levels (MCLs). VOC samples will be analyzed with a standard turnaround time. Estimated sample volumes, sample methodology, and pricing for



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laboratory analysis are attached. Samples collected in the field shall be transported to the laboratory as expeditiously as possible. A chain-of-custody record will accompany each shipment of samples to the laboratory. Analytical packages will be submitted to NCDEQ following URS' completeness check of the analytical package.

Report Preparation

A brief report documenting the field activities, field notes, photos, and laboratory report will be prepared.

Schedule

Annual maintenance and sampling will be scheduled on or before the first week of April, following authorization to proceed from the Unit.

Terms and Conditions

Our services will be provided under the terms and conditions of the Pre-Regulatory Landfill Contract N10001S in accordance with the scope and estimates provided.

An itemized budget for system maintenance and sampling is attached. If you have any questions or require additional information, please do not hesitate to contact Carlin Slusher at 919-461-1341.

Sincerely,
URS CORPORATION-NORTH CAROLINA

Carlin Slusher
Project Manager

Brett Berra, PE
Vice President

Enclosures