



October 27, 2020

Mr. Brad Bucy
Lancaster County Water and Sewer District
1400 Pageland Hwy
Lancaster, SC 29721

**RE: FULL SERVICE ODOR CONTROLSM CONTRACT 2019 - 2020
LANCASTER COUNTY WATER AND SEWER DISTRICT, SC**

Dear Brad:

The purpose of this letter is to provide you with specifics of what is supplied to you as part of the Full Service Odor Control (FSOC). Evoqua Water Technologies has over 40+ years of odor control experience and over 2,000 odor and corrosion control sites in the United States. The FSOC program is designed to continuously monitor for odors, primarily Hydrogen sulfide (H₂S), within the District's dynamic wastewater collection system. The goal is to prevent the generation and/or release of odorous compounds into the atmosphere and help control corrosion of the collection system components.

The Evoqua FSOC utilizes current odor control chemical technology, advanced dosing controllers, and remote monitoring units. Specifically, Evoqua currently feeds Bioxide[®] at five pump stations and Odophos[®] at one site. Due to high demand of the dynamic collection system, three of the Bioxide[®] systems utilize our VersaDose LT[®] (VDLT) advanced dosing controllers. The VDLT can dose Bioxide[®] on a curve rather than operating at a fixed speed, allowing for more flexibility in liquid-phase treatment. The VDLTs also allow Evoqua to remotely monitor and adjust the dosing at these sites from any web-enabled device using our Link2Site[®] website. Finally, Evoqua has deployed three VaporLink[®] H₂S monitors in strategic areas of the collection system. These monitors utilize the cellular network to allow Evoqua to understand the H₂S levels at each site with near-instant display on our Link2Site[®] website. Using both the VDLT and the VaporLink[®] technology represents the most modern and proactive treatment methods on the market.

All this technology is further monitored, maintained, and enhanced by our local service team. The service team is based in Rock Hill, SC, works out of a remote service center and is comprised locally of a service supervisor and field service technician. This team performs monthly maintenance and optimization of the dosing and monitoring systems. The typical monthly service visit includes but is not limited to: water sampling for pH, liquid sulfide, and nitrate residual, regular preventative maintenance of the pumps and feed systems, and calibration of the VaporLink[®] H₂S monitors. In addition to these regular visits, occasional extra visits are made to address issues that are identified on the Link2Site[®] website allowing Evoqua to resolve issues before they are noticed by the public.

The last part of our program is the continued partnership that Evoqua shares with the District. Evoqua and LCWSD hold regular meetings to discuss past performance and to help predict any changes coming up within the system. Evoqua strives to maintain this continued partnership with LCWSD because the contract is one of the largest in the southeast. The open dialogue allows Evoqua and LCWSD to stay ahead of any developing odor situations and work to address them as quickly as possible. As a result of these recent meetings, Evoqua is working to propose two new Bioxide[®] feed sites and modify the odor control strategy at the Indian Land wastewater treatment plant to include the addition of our AlkaGen[®] pH shift technology.

In summary, Evoqua utilizes the most modern treatment technologies and strategies to create a proactive odor control program that aims to reduce odors before they become a nuisance. Evoqua appreciates your continued collaboration and business. We look forward to serving your odor and corrosion needs in the future. Our commitment to LCWSD is to provide the best odor and corrosion control program that matches best available technology while providing a cost-effective service.

Sincerely,

Evoqua Water Technologies LLC

Benjamin S. Wallis

Benjamin S. Wallis
Technical Sales Representative