

ADDENDUM NUMBER 1

PHASE I LEACHATE TREATMENT SYSTEM

**BRISTOL INTEGRATED SOLID WASTE MANAGEMENT FACILITY –
SOLID WASTE PERMIT #588**

BRISTOL, VIRGINIA

Prospective Bidders are hereby advised of the following addition to the Bid Documents for the subject Project:

- The following changes were made to RFP No. SW-23-013 – Request for Proposals:
 - Process Flow Diagram (DRAFT) is being provided to show the conceptual process connections.
 - Inclusion of dual parallel vessels for liquid phase granular activated carbon (GAC) polishing step as part of what is required within RFP No. SW-23-013 for the leachate treatment equipment. If a liquid phase GAC polishing step is not necessary, based on the other equipment included in the equipment supplier’s treatment system, then a statement is required as to why the GAC polishing step is not needed. If the equipment supplier does not include the GAC polishing step in their base-bid then the equipment supplier shall include the GAC polishing step as an optional add-on to the proposed base-bid cost.

The following attachments are also included as part of this Addendum:

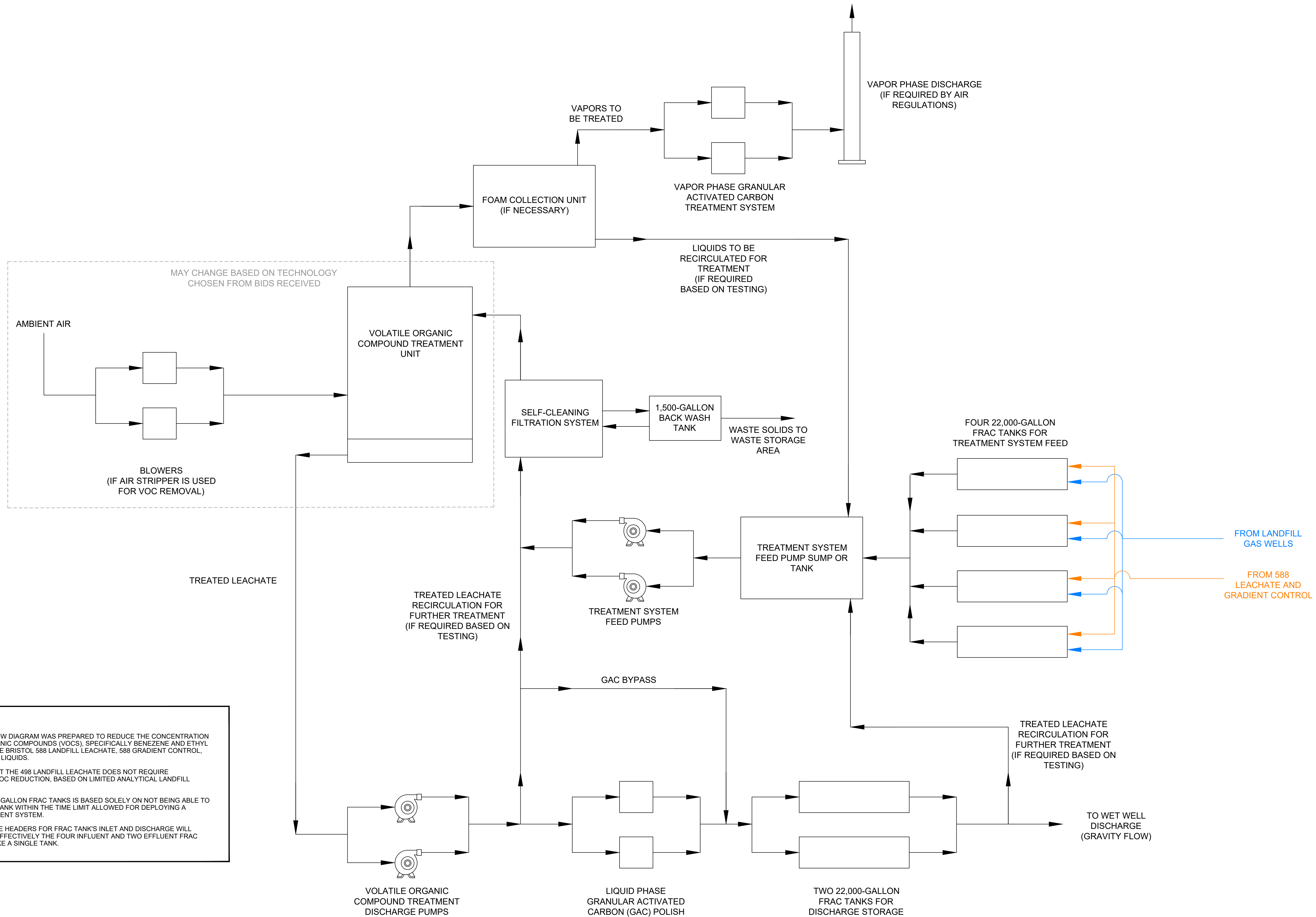
- Process Flow Diagram (DRAFT)

This Addendum must be identified in the proposal.

The deadline for receiving sealed Bids has not changed and is still 2:00 local time on the 17th day of February 2023, as stated in RFP No. SW-23-013.

While not constituting a revision to the Bid Documents for the subject Project, please note that a Response to Bidders Questions No. 1 is also attached.





NOTES

1. THIS PROCESS FLOW DIAGRAM WAS PREPARED TO REDUCE THE CONCENTRATION OF VOLATILE ORGANIC COMPOUNDS (VOCs), SPECIFICALLY BENZENE AND ETHYL BENZENE FROM THE BRISTOL 588 LANDFILL LEACHATE, 588 GRADIENT CONTROL, AND LANDFILL GAS LIQUIDS.
2. IT IS ASSUMED THAT THE 498 LANDFILL LEACHATE DOES NOT REQUIRE TREATMENT FOR VOC REDUCTION, BASED ON LIMITED ANALYTICAL LANDFILL LIQUIDS TESTING.
3. THE USE OF 22,000-GALLON FRAC TANKS IS BASED SOLELY ON NOT BEING ABLE TO ERECT A LARGER TANK WITHIN THE TIME LIMIT ALLOWED FOR DEPLOYING A LEACHATE TREATMENT SYSTEM.
4. THE DESIGN OF THE HEADERS FOR FRAC TANK'S INLET AND DISCHARGE WILL DEPEND ON HOW EFFECTIVELY THE FOUR INFLUENT AND TWO EFFLUENT FRAC TANKS CAN ACT LIKE A SINGLE TANK.

DRAFT - FOR REVIEW ONLY

REV.	DATE	DESCRIPTION

PROJECT NO.:	02218208.06
DESIGNED BY:	SJL/SLC
DRAWN BY:	BWM
CHECKED BY:	SLC
APPROVED BY:	

SCS ENGINEERS
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CITY OF BRISTOL VIRGINIA

CITY OF BRISTOL VIRGINIA SOLID WASTE
 2655 VALLEY DR.
 BRISTOL, VIRGINIA

PROCESS FLOW DIAGRAM

DATE:	FEB. 2023
##	
## OF 13 SHEETS	

RESPONSE TO BIDDERS QUESTIONS NO. 1**RENTAL AIR STRIPPER WITH VAPOR-PHASE VOLATILE ORGANIC COMPOUND (VOC) REDUCTION OR OTHER EFFECTIVE LIQUID PHASE VOC TREATMENT SYSTEM****BRISTOL INTEGRATED SOLID WASTE MANAGEMENT FACILITY
BRISTOL, VIRGINIA****February 3, 2023**

Following is a list of questions pertaining to the subject project that have been submitted by Bidders. Questions¹ are in bold type with the Engineer's response following each question in italics.

1. **The procurement document describes a system that is to be installed. Is installation included in this procurement?**

No, vendors should be prepared to deliver skid-mounted pre-plumbed and pre-wired rental units. Installation will be covered in a separate ITB.

2. **The procurement document mentions a pilot. Is this procurement intended to be for a small scale (<20 gpm) pilot or capable of treating the volumes as outlined in section 7?**

The equipment should be full scale and capable of treating volumes as outlined in section 7.

3. **We do not offer rental equipment, but could divide the total cost of equipment over 12 months?**

Vendors may determine their own methods used to develop monthly pricing. Submittals will be evaluated based on competitive monthly pricing, lease to own options, and credit toward purchase.

¹ Questions may be edited for clarity and similar questions may be combined.

