



Purchasing Department  
(276) 645-7328

# CITY OF BRISTOL VIRGINIA

300 Lee Street, Bristol, Virginia 24201

February 3, 2026

## **Addendum No. 2: Response to Inquiry and Submission Form**

ITB # SW-26-002 Equalization Tank System

Issuance Date:	January 9, 2026
Inquiries Deadline:	January 21, 2026
Addendum No.1 Release:	January 28, 2026
Addendum No.2 Release:	February 3, 2026
Due Date:	February 13, 2026 at 2:00 PM, EST

This addendum details updates to the ITB calendar of events and an additional response to an inquiry received prior to the inquiry deadline cutoff. This addendum becomes part of the contract document between the City and any awarded Bidder.

This addendum includes the Submission Form which requires a signature to confirm the receipt of this Addendum. The Submission Form is included on page 5 of this document. The complete Submission Form should be included in the Bidder's five (5) required complete sealed bids to be submitted to the City which is due to the City on February 13, 2026.

## Update & Response to Inquiry

### 1. Updates to ITB Calendar of Events

<b>Calendar of Events</b>	<b>Original Date</b>	<b>Revised Date</b>
Issue Date	1/9/2026	No change
Prebid Conference Date	1/16/2026	No change
Inquiry Cutoff Date	1/21/2026	No change
Addendum No. 1 Posting Date	1/28/2026	No change
Addendum No. 2 Posting Date	Not included	2/3/2026
Bid Close Date	2/11/2026	2/13/2026
Award Date	TBD	No change

### 2. INQUIRY: Do you have a Waste Stream Analysis of the material that will be stored in the tanks?

**RESPONSE:** Yes, leachate characterization data is provided in the attached Table 2 of the Design Basis Memorandum. See Pages 3 and 4 of Addendum No. 2.

**Table 2. Composite Samples Analytical Results**  
 Bristol Virginia Sanitary Landfill  
 Bristol, VA

Sample Location				BVUA Compliance Manhole	
				SP11-041724	
Sample ID				SP11-041724	
Sample Type				Leachate Stream	
Collection Date				4/17/2024	
Parameter	CAS	Method	Units	Results	Qual
<b>Metals</b>					
Arsenic	7440-38-2	200.7	mg/L	0.12	
Cadmium	7440-43-9	200.7	mg/L	0.0027	U
Calcium	7440-70-2	200.7	mg/L	351	
Chromium	7440-47-3	200.7	mg/L	0.0618	
Cobalt	7440-48-4	200.7	mg/L	0.0058	U
Copper	7440-50-8	200.7	mg/L	0.0162	U
Iron	7439-89-6	200.7	mg/L	27.3	
Lead	7439-92-1	200.7	mg/L	0.0085	J
Magnesium	7439-95-4	200.7	mg/L	91.1	
Manganese	7439-96-5	200.7	mg/L	2.51	
Mercury	7439-97-6	245.1	mg/L	0.00013	U
Molybdenum	7439-98-7	200.7	mg/L	0.0089	U
Nickel	7440-02-0	200.7	mg/L	0.0106	J
Potassium	7440-09-7	200.7	mg/L	254	
Selenium	7782-49-2	200.7	mg/L	0.0311	U
Silver	7440-22-4	200.7	mg/L	0.0046	U
Sodium	7440-23-5	200.7	mg/L	642	
Zinc	7440-66-6	200.7	mg/L	0.0849	
<b>Conventional Pollutants</b>					
BOD, 5 day	-	5210B	mg/L	2,270	
O&G	-	1664B	mg/L	1.5	J
O&G, Animal/Veg	-	1664B	mg/L	1.1	U
TSS	-	2540D	mg/L	96	
<b>Non-Conventional Pollutants</b>					
COD	-	5220D	mg/L	3,770	
Nitrogen, Ammonia	7664-41-7	350.1	mg/L	292	
TKN	7727-37-9	351.2	mg/L	337	
Nitrogen, Nitrate	14797-55-8	353.2	mg/L	0.011	J
Nitrogen, Nitrite	14797-65-0	353.2	mg/L	0.026	
Phosphorus, Total	7723-14-0	365.1	mg/L	0.14	
<b>General Chemistry Parameters</b>					
Alkalinity, Total as CaCO <sub>3</sub>	-	2320B	mg/L	1,170	
Hardness, Total (SM 2340B)	-	200.7	mg/L	1,250	
Sulfate	14808-79-8	300.0	mg/L	36.8	M1
Sulfide	18496-25-8	4500-S2D	mg/L	0.022	U
TDS	-	2540C	mg/L	4,890	
TOC	7440-44-0	5310B	mg/L	1,240	
TPH	-	1664B	mg/L	4.9	U
<b>VOCs</b>					
Acrolein	107-02-8	624.1	µg/L	NR	U
Benzene	71-43-2	624.1	µg/L	189	
Bromodichloromethane	75-27-4	624.1	µg/L	10.3	U
Bromoform	75-25-2	624.1	µg/L	14.7	U
Bromomethane	74-83-9	624.1	µg/L	38.5	U
Carbon tetrachloride	56-23-5	624.1	µg/L	11.8	U
Chlorobenzene	108-90-7	624.1	µg/L	9.7	U
Chloroethane	75-00-3	624.1	µg/L	17.7	U
Chloroform	67-66-3	624.1	µg/L	12.2	U
Chloromethane	74-87-3	624.1	µg/L	15.0	U
Dibromochloromethane	124-48-1	624.1	µg/L	9.7	U
1,2-Dichlorobenzene	95-50-1	624.1	µg/L	8.2	U
1,3-Dichlorobenzene	541-73-1	624.1	µg/L	10.0	U
1,4-Dichlorobenzene	106-46-7	624.1	µg/L	7.8	U
1,1-Dichloroethane	75-34-3	624.1	µg/L	11.8	U
1,2-Dichloroethane	107-06-2	624.1	µg/L	10.6	U
1,1-Dichloroethene	75-35-4	624.1	µg/L	10.4	U
cis-1,2-Dichloroethene	156-59-2	624.1	µg/L	12.1	U
trans-1,2-Dichloroethene	156-60-5	624.1	µg/L	12.0	U
1,2-Dichloropropane	78-87-5	624.1	µg/L	10.9	U
cis-1,3-Dichloropropene	10061-01-5	624.1	µg/L	8.7	U
trans-1,3-Dichloropropene	10061-02-6	624.1	µg/L	8.5	U
Ethylbenzene	100-41-4	624.1	µg/L	22.5	J
Methylene Chloride	75-09-2	624.1	µg/L	22.8	U
1,1,2,2-Tetrachloroethane	79-34-5	624.1	µg/L	7.6	U
Tetrachloroethene	127-18-4	624.1	µg/L	9.4	U
Toluene	108-88-3	624.1	µg/L	10.2	U
1,1,1-Trichloroethane	71-55-6	624.1	µg/L	10.7	U
1,1,2-Trichloroethane	79-00-5	624.1	µg/L	9.4	U
Trichloroethene	79-01-6	624.1	µg/L	10.2	U
Trichlorofluoromethane	75-69-4	624.1	µg/L	10.1	U
Vinyl chloride	75-01-4	624.1	µg/L	10.2	U
<b>SVOCs</b>					
Acenaphthene	83-32-9	625.1	µg/L	36.5	U
Acenaphthylene	208-96-8	625.1	µg/L	35.5	U
Anthracene	120-12-7	625.1	µg/L	42.0	U
Benzo(a)anthracene	56-55-3	625.1	µg/L	48.9	U
Benzo(a)pyrene	50-32-8	625.1	µg/L	50.5	U
Benzo(b)fluoranthene	205-99-2	625.1	µg/L	47.3	U
Benzo(g,h,i)perylene	191-24-2	625.1	µg/L	51.6	U
Benzo(k)fluoranthene	207-08-9	625.1	µg/L	49.3	U
4-Bromophenylphenyl ether	101-55-3	625.1	µg/L	32.2	U
Butylbenzylphthalate	85-68-7	625.1	µg/L	57.1	U
4-Chloro-3-methylphenol	59-50-7	625.1	µg/L	60.7	U
bis(2-Chloroethoxy)methane	111-91-1	625.1	µg/L	33.1	U
bis(2-Chloroethyl) ether	111-44-4	625.1	µg/L	34.7	U
2-Chloronaphthalene	91-58-7	625.1	µg/L	31.3	U
2-Chlorophenol	95-57-8	625.1	µg/L	21.8	U
4-Chlorophenylphenyl ether	7005-72-3	625.1	µg/L	36.4	U
Chrysene	218-01-9	625.1	µg/L	50.4	U
Dibenz(a,h)anthracene	53-70-3	625.1	µg/L	53.6	U
3,3'-Dichlorobenzidine	91-94-1	625.1	µg/L	148	U
2,4-Dichlorophenol	120-83-2	625.1	µg/L	25.5	U
Diethylphthalate	84-66-2	625.1	µg/L	37.3	U
2,4-Dimethylphenol	105-67-9	625.1	µg/L	30.9	U
Dimethylphthalate	131-11-3	625.1	µg/L	38.7	U
Di-n-butylphthalate	84-74-2	625.1	µg/L	40.0	U
4,6-Dinitro-2-methylphenol	534-52-1	625.1	µg/L	141	U
2,4-Dinitrophenol	51-28-5	625.1	µg/L	473	U
2,4-Dinitrotoluene	121-14-2	625.1	µg/L	29.5	U
2,6-Dinitrotoluene	606-20-2	625.1	µg/L	31.3	U
Di-n-octylphthalate	117-84-0	625.1	µg/L	71.3	U
bis(2-Ethylhexyl)phthalate	117-81-7	625.1	µg/L	67.8	U
Fluoranthene	206-44-0	625.1	µg/L	39.8	U
Fluorene	86-73-7	625.1	µg/L	38.0	U
Hexachloro-1,3-butadiene	87-68-3	625.1	µg/L	32.2	U
Hexachlorobenzene	118-74-1	625.1	µg/L	39.3	U
Hexachlorocyclopentadiene	77-47-4	625.1	µg/L	28.9	U
Hexachloroethane	67-72-1	625.1	µg/L	25.1	U
Indeno(1,2,3-cd)pyrene	193-39-5	625.1	µg/L	52.5	U
Isophorone	78-59-1	625.1	µg/L	30.2	U
Naphthalene	91-20-3	625.1	µg/L	38.0	U
Nitrobenzene	98-95-3	625.1	µg/L	34.0	U
2-Nitrophenol	88-75-5	625.1	µg/L	25.5	U
4-Nitrophenol	100-02-7	625.1	µg/L	120	U
N-Nitrosodimethylamine	62-75-9	625.1	µg/L	34.4	U
N-Nitroso-di-n-propylamine	621-64-7	625.1	µg/L	24.2	U
N-Nitrosodiphenylamine	86-30-6	625.1	µg/L	54.5	U
2,2'-Oxybis(1-chloropropane)	108-60-1	625.1	µg/L	20.9	U
Pentachlorophenol	87-86-5	625.1	µg/L	68.4	U
Phenanthrene	85-01-8	625.1	µg/L	36.4	U
Phenol	108-95-2	625.1	µg/L	608	U
Pyrene	129-00-0	625.1	µg/L	40.0	U
1,2,4-Trichlorobenzene	120-82-1	625.1	µg/L	31.5	U
2,4,6-Trichlorophenol	88-06-2	625.1	µg/L	28.2	U
<b>Pesticides, Organochlorine</b>					
Aldrin	309-00-2	608.3	µg/L	0.013	U
alpha-BHC	319-84-6	608.3	µg/L	0.011	U
beta-BHC	319-85-7	608.3	µg/L	0.044	U
delta-BHC	319-86-8	608.3	µg/L	0.013	U
gamma-BHC (Lindane)	58-89-9	608.3	µg/L	0.011	U
Chlordane (Technical)	57-74-9	608.3	µg/L	0.14	U
alpha-Chlordane	5103-71-9	608.3	µg/L	0.012	U
gamma-Chlordane	5103-74-2	608.3	µg/L	0.021	U
4,4'-DDD	72-54-8	608.3	µg/L	0.015	U
4,4'-DDE	72-55-9	608.3	µg/L	0.022	U
4,4'-DDT	50-29-3	608.3	µg/L	0.023	U
Diieldrin	60-57-1	608.3	µg/L	0.014	U
Endosulfan I	959-98-8	608.3	µg/L	0.016	U
Endosulfan II	33213-65-9	608.3	µg/L	0.014	U
Endosulfan sulfate	1031-07-8	608.3	µg/L	0.013	U

**Table 2. Composite Samples Analytical Results**  
**Bristol Virginia Sanitary Landfill**  
**Bristol, VA**

Sample Location				BVUA Compliance Manhole	
				SP11-041724	
Sample ID				Leachate Stream	
Sample Type				4/17/2024	
Collection Date					
Parameter	CAS	Method	Units	Results	Qual
Endrin	72-20-8	608.3	µg/L	0.016	U
Endrin aldehyde	7421-93-4	608.3	µg/L	0.015	U
Heptachlor	76-44-8	608.3	µg/L	0.018	U
Heptachlor epoxide	1024-57-3	608.3	µg/L	0.026	U
PCB-1016 (Aroclor 1016)	12674-11-2	608.3	µg/L	0.19	U
PCB-1221 (Aroclor 1221)	11104-28-2	608.3	µg/L	0.21	U
PCB-1232 (Aroclor 1232)	11141-16-5	608.3	µg/L	0.21	U
PCB-1242 (Aroclor 1242)	53469-21-9	608.3	µg/L	0.23	U
PCB-1248 (Aroclor 1248)	12672-29-6	608.3	µg/L	0.26	U
PCB-1254 (Aroclor 1254)	11097-69-1	608.3	µg/L	0.19	U
PCB-1260 (Aroclor 1260)	11096-82-5	608.3	µg/L	0.14	U
PCB, Total	1336-36-3	608.3	µg/L	0.45	U
Toxaphene	8001-35-2	608.3	µg/L	0.2	U
<b>Pesticides, Organophosphorus</b>					
Azinphos, methyl (Guthion)	86-50-0	8141	µg/L	0.534	U
Bolstar	35400-43-2	8141	µg/L	0.214	U
Chlorpyrifos	2921-88-2	8141	µg/L	0.320	U
Coumaphos	56-72-4	8141	µg/L	0.410	U
Demeton, Total	8065-48-3	8141	µg/L	0.626	U
Diazinon	333-41-5	8141	µg/L	0.302	U
Dichlorvos	62-73-7	8141	µg/L	0.196	U
Dimethoate	60-51-5	8141	µg/L	0.327	U
Disulfoton	298-04-4	8141	µg/L	0.227	U
EPN (ENT)	2104-64-5	8141	µg/L	0.129	U
Ethoprop	13194-48-4	8141	µg/L	0.293	U
Parathion (Ethyl parathion)	56-38-2	8141	µg/L	0.454	U
Fensulfothion	115-90-2	8141	µg/L	0.405	U
Fenthion	55-38-9	8141	µg/L	0.213	U
Malathion	121-75-5	8141	µg/L	0.354	U
Merphos	150-50-5	8141	µg/L	1.32	U
Methyl parathion	298-00-0	8141	µg/L	0.383	U
Mevinphos	7786-34-7	8141	µg/L	0.275	U
Naled	300-76-5	8141	µg/L	0.594	U
Phorate	298-02-2	8141	µg/L	0.276	U
Ronnel	299-84-3	8141	µg/L	0.277	U
Stirophos (Tetrachlorvinphos)	22248-79-9	8141	µg/L	0.277	U
Sulfatepp (Thiodiphosphoric Ac)	3689-24-5	8141	µg/L	0.181	U
TEPP	107-49-3	8141	µg/L	3.11	U,L0
Tokuthion (Prothiofos)	34643-46-4	8141	µg/L	0.241	U
Trichloronate	327-98-0	8141	µg/L	0.306	U
<b>Herbicides</b>					
2,4-D	94-75-7	8151	µg/L	0.547	U
Dalapon	127-20-8	8151	µg/L	0.344	U,R1
2,4-DB	94-82-6	8151	µg/L	0.302	U
Dicamba	1918-00-9	8151	µg/L	0.245	U
Dichlorprop	120-36-5	8151	µg/L	1.04	U
Dinoseb	88-85-7	8151	µg/L	0.25	U
MCPA	94-74-6	8151	µg/L	13.1	U
2-(2-methyl-4-chlorophenoxy)pa	93-65-2	8151	µg/L	66	U
2,4,5-T	93-76-5	8151	µg/L	0.258	U
2,4,5-TP (Silvex)	93-72-1	8151	µg/L	0.335	U
<b>Other Regulated Pollutants</b>					
Cyanide, Total	57-12-5	4500-CN-E	mg/L	0.006	U
Phenolics, Total Recoverable	64743-03-9	420.4	mg/L	2.4	
<b>Field Parameters</b>					
Temperature	-	-	°C	16.1	
DO	-	-	mg/L	25.5	
Conductivity	-	-	µs/cm	3,347	
pH	-	-	s.u.	7.11	
ORP	-	-	mV	240	
Turbidity	-	-	NTU	173	

**Notes:**  
1) Non-detect samples are assigned with "U" flag with the associated MDLs reported.  
2) Detected parameters are shown in **Bold**.

**Acronyms and Abbreviations:**  
BOD: biological oxygen demand  
BVUA: Bristol Virginia Utilities Authority  
COD: chemical oxygen demand  
DO: dissolved oxygen  
DUP: duplicate  
EPN: ethyl p-nitrophenyl phenylphosphorothioate  
LFG: Landfill Gas  
MCPA: 2-methyl-4-chlorophenoxyacetic acid  
MDL: method detection limit  
NR: not reported  
O&G: oil and grease  
ORP: oxidation-reduction potential  
PCB: polychlorinated biphenyls  
QC: quality control  
RPD: relative percent difference  
SP: sampling point  
SVOC: semi-volatile organic compound  
TDS: total dissolved solids  
TEPP: tetraethyl pyrophosphate  
TKN: total Kjeldahl nitrogen  
TOC: total organic carbon  
TPH: total petroleum hydrocarbons  
TSS: total suspended solids  
Veg: vegetation  
VOC: volatile organic compound  
J: Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.  
L0: Analyte recovery in the laboratory control sample (LCS) was outside QC limits.  
M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.  
R1: RPD value was outside control limits.  
U: Indicates the compound was analyzed for, but not detected.  
°C: degrees Celsius  
mg/L: milligrams per liter  
µg/L: micrograms per liter  
mg/kg: milligrams per kilogram  
µs/cm: microsiemens per centimeter  
s.u.: standard unit  
mV: millivolts  
NTU: nephelometric turbidity units



Purchasing Department  
(276) 645-7328

# CITY OF BRISTOL VIRGINIA

300 Lee Street, Bristol, Virginia 24201

## REVISED SUBMISSION FORM

THE COMPANY/INDIVIDUAL OF: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

FEIN \_\_\_\_\_

Hereby proposes to provide the requested services as defined herein.

I understand that the omission of any items listed below from this proposal may be cause for rejection of the proposal as non-responsive. I have ensured that I have received and acknowledged Addenda (No. 1 and 2).

Person to contact regarding this ITB: \_\_\_\_\_

Title: \_\_\_\_\_ Phone: \_\_\_\_\_

E-mail: \_\_\_\_\_

Name and title of person authorized to bind the Firm:

Name: \_\_\_\_\_ Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

By signing and submitting a bid, your firm acknowledges and agrees that it has read and understands the ITB documents and has resolved any questions and discrepancies to their satisfaction.

We Acknowledge receipt of:

Addendum No.   1                        Signature \_\_\_\_\_

Addendum No.   2                        Signature \_\_\_\_\_