



To: All Plan Holders of Record

From: Verdantas

For the Owner

Re: Addendum No. 2

***Anaerobic Digester Cleaning, Inspection, Repair, and Valve Replacement
City of Wheeling***

Date: August 4, 2025

This Addendum forms a part of the contract documents and modifies the original bidding documents dated July 2025 and all previous addenda, if any. Acknowledge receipt of this addendum in the space provided in the bid forms. Failure to do so may subject the bidder to disqualification.

Sealed bids will be received by the City of Wheeling, WV at the office of the City Manager, 1500 Chapline Street, Wheeling, WV 26003 until 2:30 p.m. on August 7th, 2025 and will be opened and read immediately thereafter.

SPECIFICATIONS

SPEC SECTION 467345 - ANAEROBIC SLUDGE DIGESTERS: CLEANING, INSPECTION AND REPAIR:

- **CLARIFICATION SECTION 1.02.C.6:** Both contractors shall provide a representative who can respond appropriately and in a timely manner to any circumstances that may arise while WPCD staff bring the two digesters back online.
- **ADD LANGUAGE to SECTION 1.07.A:** Owner personnel shall be responsible for shutting down and deenergizing plant equipment. An onsite safety meeting regarding lock-out tag-out procedures is required.
- **CLARIFICATION SECTION 1.04.A:** A 1 ½ “ plant effluent connection exists on the south side of the plant near the solids loading area for plant water. Plant effluent flow is estimated to be 7 MGD. Available flow from the 1 ½” connection is estimated to be 100 GPM. **Attached** is the permitted plant effluent water quality Discharge Limitations and Monitoring Requirements.

DB/LS:mep

Enclosures

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A.001 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:
Permit Limits

During the period beginning 6/1/2018 and lasting through midnight 4/26/2023 the permittee is authorized to discharge from Outlet Number(s) 001 (Sanitary)

Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>			<u>Monitoring Requirements</u>		
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
50050 - (Flow, in Conduit or thru plant) (Year Round) (ML-1) (RF-A)	N/A	N/A	N/A	Rpt Only Max. Daily	mgd	measured
00310 - (BOD, 5-Day 20 Deg.C) (Year Round) (ML-B) (RF-A)	Rpt Only Avg. Monthly	Lbs/Day	N/A	Rpt Only Max. Daily	mg/l	24 hr Composite
00530 - (Total Suspended Solids) (Year Round) (ML-A) (RF-A)	Rpt Only Avg. Monthly	Lbs/Day	N/A	Rpt Only Max. Daily	mg/l	24 hr Composite
74055 - (Coliform, Fecal) (Year Round) (ML-A) (RF-A)	N/A	N/A	N/A	400 Max. Daily	Crits/100ml	Grab
00400 - (pH) (Year Round) (ML-A) (RF-A)	N/A	N/A	N/A	9 Inst. Max.	S.U.	Grab
00610 - (Ammonia Nitrogen) (Year Round) (ML-A) (RF-A) Interim: 6/1/2018 to 5/31/2020	Rpt Only Avg. Monthly	Lbs/Day	N/A	30 Max. Daily	mg/l	24 hr Composite
00610 - (Ammonia Nitrogen) (Year Round) (ML-A) (RF-A) Final: 06/01/2020 to 4/26/2023	Rpt Only Avg. Monthly	Lbs/Day	N/A	9.4 Max. Daily	mg/l	24 hr Composite
00600 - (Nitrogen, Total (as N)) (Year Round) (ML-A) (RF-D)	Rpt Only Avg. Monthly	Lbs/Day	N/A	Rpt Only Max. Daily	mg/l	24 hr Composite

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Effluent BOD5 sampling shall be collected at a location immediately preceding disinfection. All other samples shall be collected at the point of the total combined discharge from Outlet 001. Refer to Section C.20 for additional requirements.

This discharge shall comply with Appendix A - I MANAGEMENT CONDITIONS I - 12.

A.001 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

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<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>				<u>Units</u>	<u>Monitoring Requirements</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>		
00665 - (Phosphorus, Total) (Year Round) (ML-A) (RF-D)	Rpt Only Avg. Monthly	Lbs/Day Max. Daily	N/A Avg. Monthly	Rpt Only Max. Daily	mg/l	1/year	24 hr Composite
50060 - (Chlorine, Total Residual) (Year Round) (ML-A) (RF-A)	N/A	N/A	0.028 Avg. Monthly	0.057 Max. Daily	mg/l	4/Week	Grab
01119 - (Copper, Total Recoverable) (Year Round) (ML-A) (RF-A)	N/A	N/A	0.023 Avg. Monthly	0.042 Max. Daily	mg/l	1/month	24 hr Composite
01114 - (Lead, Total Recoverable) (Year Round) (ML-A) (RF-D)	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/year	24 hr Composite
01094 - (Zinc, Total Recoverable) (Year Round) (ML-A) (RF-D)	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/year	24 hr Composite
01002 - (Arsenic, Total (as As)) (Year Round) (ML-6) (RF-B)	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/quarter	24 hr Composite
01113 - (Cadmium, Total Recoverable) (Year Round) (ML-A) (RF-D)	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/year	24 hr Composite
01032 - (Chromium, Hexavalent) (Year Round) (ML-A) (RF-D)	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/year	24 hr Composite

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Effluent BOD5 sampling shall be collected at a location immediately preceding disinfection. All other samples shall be collected at the point of the total combined discharge from Outlet 001. Refer to Section C.20 for additional requirements.

This discharge shall comply with Appendix A - I MANAGEMENT CONDITIONS I - 12.

A.001 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 6/1/2018 and lasting through midnight 4/26/2023 the permittee is authorized to discharge from Outlet Number(s) 001 (Sanitary)

Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>			<u>Monitoring Requirements</u>		
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
00718 - (Cyanide, Weak Acid Dissocia (Year Round) (ML-A) (RF-D)	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	1/year	Grab
71900 - (Mercury, Total (as Hg)) (Year Round) (ML-A) (RF-A)	N/A	N/A	0.009 Avg. Monthly	0.02 Max. Daily	1/month	Grab
01074 - (Nickel, Total Recoverable) (Year Round) (ML-A) (RF-D)	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	1/year	24 hr Composite
01079 - (Silver, Total Recoverable) (Year Round) (ML-A) (RF-D)	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	1/year	24 hr Composite
61425 - (Acute Tox - Ceriodaphnia Dut (Year Round) (ML-A) (RF-D)	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	1/year	24 hr Composite
61427 - (Acute Toxicity - Pimephales) (Year Round) (ML-A) (RF-D)	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	1/year	24 hr Composite

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Effluent BOD5 sampling shall be collected at a location immediately preceding disinfection. All other samples shall be collected at the point of the total combined discharge from Outlet 001. Refer to Section C.20 for additional requirements.

This discharge shall comply with Appendix A - I MANAGEMENT CONDITIONS I - 12.

A.101 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Permit Limits

During the period beginning 6/1/2018 and lasting through midnight 4/26/2023 the permittee is authorized to discharge from Outlet Number(s) 101 (Sanitary)

Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>			<u>Monitoring Requirements</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
50050 - (Flow,in Conduit or thru plant) (Year Round) (ML-B) (RF-A)	N/A	N/A	Rpt Only Avg. Monthly	Continuous	measured
00310 - (BOD, 5-Day 20 Deg.C) (Year Round) (ML-B) (RF-A)	2502 Avg. Monthly	Lbs/Day	30 Avg. Monthly	4/Week	24 hr Composite
00530 - (Total Suspended Solids) (Year Round) (ML-A) (RF-A)	3753 7 Day Avg	Lbs/Day	30 Avg. Monthly	4/Week	24 hr Composite
51012 - (BOD,5-day % Rem,dry weath. (Year Round) (ML-K) (RF-A)	N/A	N/A	N/A	1/week	Calculated
51013 - (BOD,5-day %Rem,wet weath. (Year Round) (ML-K) (RF-A)	N/A	N/A	N/A	1/week	Calculated
51014 - (Solids,Susp.% Rem,dry weath (Year Round) (ML-K) (RF-A)	N/A	N/A	N/A	1/week	Calculated
51015 - (Solids,Susp.% Rem,wet weath (Year Round) (ML-K) (RF-A)	N/A	N/A	N/A	1/week	Calculated
00400 - (pH) (Year Round) (ML-B) (RF-A)	N/A	N/A	6 Inst. Min.	5days/week	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Effluent samples shall be collected at the discharge from the secondary treatment train of the POTW prior to disinfection. Refer to Section C.20 for additional requirements.

This discharge shall comply with Appendix A - I MANAGEMENT CONDITIONS I - 12.

A.S01 SEWAGE SLUDGE LIMITATIONS AND MONITORING REQUIREMENTS:
Permit Limits

During the period beginning 6/1/2018 and lasting through midnight 4/26/2023 the permittee is authorized to dispose sludge in accordance with the following from Outlet Number S01 (Sludge)

<u>Effluent Characteristic</u>	<u>Limitations</u>			<u>Other Units</u>		<u>Monitoring Requirements</u>		
	<u>Quantity</u>	<u>Units</u>	<u>Limitations</u>	<u>Other Units</u>	<u>Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
00400 - (pH) (Year Round) (ML-+) (RF-B)	N/A	N/A	Rpt Only Minimum	N/A	Rpt Only Maximum	1/quarter	Grab	
61521 - (Arsenic, Sludge Tot. Dry Wt.) (Year Round) (ML-+) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Maximum	1/quarter	1 Week Comp	
78476 - (Cadmium, Sludge, Tot Dry Wt.) (Year Round) (ML-+) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Maximum	1/quarter	1 Week Comp	
78473 - (Chromium, Dry Wt.) (Year Round) (ML-+) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Maximum	1/quarter	1 Week Comp	
78475 - (Copper, Sludge, Tot, Dry Wt.) (Year Round) (ML-+) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Maximum	1/quarter	1 Week Comp	
78468 - (Lead, Dry. Wt.) (Year Round) (ML-+) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Maximum	1/quarter	1 Week Comp	
78471 - (Mercury, Dry Wt.) (Year Round) (ML-+) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Maximum	1/quarter	1 Week Comp	
78465 - (Molybdenum, Dry Wgt) (Year Round) (ML-+) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Maximum	1/quarter	1 Week Comp	

Sludge

A.S01 SEWAGE SLUDGE LIMITATIONS AND MONITORING REQUIREMENTS:
Permit Limits

During the period beginning 6/1/2018 and lasting through midnight 4/26/2023 the permittee is authorized to dispose sludge in accordance with the following from Outlet Number S01 (Sludge)

<u>Effluent Characteristic</u>	<u>Limitations</u>			<u>Monitoring Requirements</u>		
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	
78469 - (Nickel, Dry Wt.) (Year Round) (ML-+) (RF-B)	N/A	N/A	N/A	Rpt Only Maximum	1/quarter	1 Week Comp
49031 - (Selenium, Sludge, Tot. Dry Wt.) (Year Round) (ML-+) (RF-B)	N/A	N/A	N/A	Rpt Only Maximum	1/quarter	1 Week Comp
78467 - (Zinc, Dry Wt.) (Year Round) (ML-+) (RF-B)	N/A	N/A	N/A	Rpt Only Maximum	1/quarter	1 Week Comp
00916 - (Calcium, Total (as Ca)) (Year Round) (ML-+) (RF-B)	N/A	N/A	N/A	Rpt Only Maximum	1/quarter	1 Week Comp
61553 - (Solids, Total Sludge Percent) (Year Round) (ML-+) (RF-B)	N/A	N/A	Rpt Only Avg.	Rpt Only Maximum	1/quarter	1 Week Comp
78472 - (Potassium, Sludge Tot. Dry Wt.) (Year Round) (ML-+) (RF-B)	N/A	N/A	N/A	Rpt Only Maximum	1/quarter	1 Week Comp
78478 - (Phosphorus, Sludge, Tot. Dry Wt.) (Year Round) (ML-+) (RF-B)	N/A	N/A	N/A	Rpt Only Maximum	1/quarter	1 Week Comp
82294 - (Nitrogen, Ammonia Tot. DW) (Year Round) (ML-+) (RF-B)	N/A	N/A	N/A	Rpt Only Maximum	1/quarter	1 Week Comp

Sludge

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<u>Effluent Characteristic</u>	<u>Limitations</u>			<u>Monitoring Requirements</u>	
	<u>Quantity</u>	<u>Units</u>	<u>Other Units</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
78470 - (Nitrogen, Sludge Tot. Dry Wt) (Year Round) (ML+) (RF-B)	N/A	N/A	N/A	Rpt Only Maximum 1/quarter	mg/kg 1 Week Comp
51020 - (Organic Nitrogen) (Year Round) (ML+) (RF-B)	N/A	N/A	N/A	Rpt Only Maximum 1/quarter	mg/kg 1 Week Comp
00927 - (Magnesium, Tot (as Mg)) (Year Round) (ML+) (RF-B)	N/A	N/A	N/A	Rpt Only Maximum 1/quarter	mg/kg 1 Week Comp

Sludge