

CLAIRTON MUNICIPAL AUTHORITY

BOARD OF DIRECTORS MEETING

November 17, 2022

Meeting called to order at 6:25 PM by John Vitullo.

Executive Session was held from 4:30 P.M. until 6:25 P.M. discuss personnel and litigation.

	Present	Absent
<u>Roll Call</u>		
Lawrence Wulf	<u>X</u>	<u></u>
Kevin Johnson	<u>X</u>	<u></u>
	<u></u>	<u></u>
John Vitullo	<u>X</u>	<u></u>
Doug Ozvath	<u></u>	<u>X</u>

Administration/Professional

Ryan Potts, Superintendent
Jim Hannan, P.E., Finance Director
Joe Gianvito, P. E., KLH Engineers
Robert McTiernan, Solicitor

Citizens Comments:

None.

Lawrence Wulf moved, and Kevin Johnson seconded the motion to approve the minutes from the October 20, 2022, Regular meeting. The motion carried 3-0.

Kevin Johnson moved, and Lawrence Wulf seconded the motion to approve the paying of the bills from October 19, 2022, to November 16, 2022. The motion carried 3-0.

Lawrence Wulf moved, and Kevin Johnson seconded the motion to approve the Year-to-Date Income Statements for Treatment and Collections. The motion carried 3-0.

Kevin Johnson moved, and Lawrence Wulf seconded the motion to approve Collection System Billing Summary. The motion carried 3-0.

Kevin Johnson moved, and Lawrence Wulf seconded the motion to approve Change order No. 1 to Contract 2019-01 REBID WWTP Upgrades Electrical to Bronder Technical Services in the amount of \$203,113.71. Motion carried 3-0.

Kevin Johnson moved, and Lawrence Wulf seconded the motion to approve Pay Application No. 5 to Wayne Crouse, Inc. for Contract 2019-01 REBID WWTP Upgrades Phase 2 in the amount of \$587,249.28 for submission to PENNVEST. The motion carried 3-0.

Kevin Johnson moved, and Lawrence Wulf seconded the motion to approve Payment No. 3 to Bronder Technical Services for Contract 2019-01 REBID WWTP Upgrades Electrical in the amount of \$9,000.00 The motion carried 3-0.

Kevin Johnson moved, and Lawrence Wulf seconded the motion to approve the request submitted by Joe Gianvito of KLH, for Requisition #379B in the amount of \$27,355.50. The motion carried 3-0.

Kevin Johnson moved, and Lawrence Wulf seconded the motion to adjourn at 6:56 PM. The motion carried 3-0.


SECRETARY

CLAIRTON MUNICIPAL AUTHORITY

BOARD OF DIRECTORS

Regular Monthly Meeting

Thursday November 17, 2022

5:00 P.M.

AGENDA

Roll Call and Pledge of Allegiance

Comments from the Public

1. Approval of Minutes
 - a. Motion to approve the minutes from the Regular Board Meeting of October 20, 2022.
2. Motion to approve the bills
3. Motion to approve the Year-to-Date Income Statements for both Treatment and Collection.
4. Motion to approve Collection System Billing Summary.
5. Finance Report
6. Collection & Operation Report
7. Engineer's Report
 - a. Motion to approve Change Order No. 1 to Contract 2019-01 REBID WWTP Upgrades Electrical to Bronder Technical Services in the amount of \$203,113.71.
 - b. Motion to Approve Pay Application No. 5 to Wayne Crouse, Inc. for Contract 2019-01 REBID WWTP Upgrades Phase 2 in the amount of \$587,249.28 for submission to PENNVEST.
 - c. Motion to approve Pay Application No. 3 to Bronder Technical Services for Contract 2019-02 REBID WWTP Upgrades Electrical in the amount of \$9,000.00 for submission to PENNVEST.
 - d. Motion to Approve the request submitted by Joe Gianvito of KLH, for Requisition #379B in the amount of \$27,355.50.
8. Solicitor's Report
9. Old Business
10. New Business

Motion to Adjourn

CMA
MEETING Check Register
For the Period From Oct 21, 2022 to Nov 17, 2022

Filter Criteria includes: Report order is by Date.

Check #	Date	Payee	Cash Account	Amount
9263	11/1/22	AMAZON CAPITAL S	10310-G	224.21
9264	11/1/22	AMERICAN WATER	10310-G	770.25
9265	11/1/22	Boxer LLC	10310-G	760.00
9266	11/1/22	CINTAS	10310-G	1,750.72
9267	11/1/22	DOUG OZVATH	10310-G	66.67
9268	11/1/22	ENVIRONMENTAL S	10310-G	142.91
9269	11/1/22	FAYETTE WASTE L	10310-G	124.74
9270	11/1/22	FISHER SCIENTIFIC	10310-G	175.84
9271	11/1/22	Groff Tractor & Equip	10310-G	765.04
9272	11/1/22	HOME DEPOT CRE	10310-G	64.29
9273	11/1/22	JOHN J. VITULLO	10310-G	42.00
9274	11/1/22	LINK COMPUTER C	10310-G	1,383.57
9275	11/1/22	Madison National Life	10310-G	1,649.59
9276	11/1/22	MCMASTER-CARR	10310-G	823.95
9277	11/1/22	PA AMERICAN WAT	10310-G	21.64
9278	11/1/22	PREMIER SAFETY	10310-G	703.43
9279	11/1/22	RENO BROTHERS, I	10310-G	6,140.00
9280	11/1/22	VERIZON WIRELES	10310-G	416.78
9281	11/1/22	W.C. WEIL PM LLC	10310-G	4,165.60
9282	11/1/22	Web-Makeovers	10310-G	150.00
9283	11/1/22	WEX BANK	10310-G	1,922.99
9284	11/17/22	AIRGAS USA, LLC	10310-G	239.46
9285	11/17/22	ALL PRO PITTSBUR	10310-G	200.00
9286	11/17/22	AMAZON CAPITAL S	10310-G	54.99
9287	11/17/22	BISSNUS INC	10310-G	3,023.86
9288	11/17/22	C. GREGG BOYCE	10310-G	200.00
9289	11/17/22	CINTAS	10310-G	467.72
9290	11/17/22	COLUMBIA GAS OF	10310-G	345.34
9291	11/17/22	COMCAST	10310-G	2,683.45
9292	11/17/22	CRAWFORD ELLEN	10310-G	4,524.77
9293	11/17/22	DE LAGE LANDEN F	10310-G	140.00
9294	11/17/22	DRNACH ENVIRON	10310-G	4,985.00

CMA
MEETING Check Register
For the Period From Oct 21, 2022 to Nov 17, 2022

Filter Criteria includes: Report order is by Date.

Check #	Date	Payee	Cash Account	Amount
9295	11/17/22	DTI Development	10310-G	3,000.00
9296	11/17/22	DUQUESNE LIGHT	10310-G	354.40
9297	11/17/22	ELIZABETH ELECTR	10310-G	11.40
9298	11/17/22	FAYETTE PARTS SE	10310-G	91.55
9299	11/17/22	FNB Commercial Cre	10310-G	5,594.51
9300	11/17/22	GATEWAY ENGINE	10310-G	313.10
9301	11/17/22	Groff Tractor & Equip	10310-G	417.40
9302	11/17/22	HACH COMPANY	10310-G	118.07
9303	11/17/22	HENWIL CORPORA	10310-G	7,607.94
9304	11/17/22	IDEXX Laboratories	10310-G	566.25
9305	11/17/22	IEH AUTO PARTS LL	10310-G	542.10
9306	11/17/22	KINZUA ENVIRONM	10310-G	227.69
9307	11/17/22	KLH ENGINEERS, IN	10310-G	11,792.38
9308	11/17/22	Matheson Tri-Gas Inc	10310-G	121.14
9309	11/17/22	MCMaster-CARR	10310-G	737.10
9310	11/17/22	MEIT	10310-G	30,592.37
9311	11/17/22	MODEL UNIFORMS	10310-G	490.78
9312	11/17/22	NOBLE ENVIRONME	10310-G	28,158.30
9313	11/17/22	PA AMERICAN WAT	10310-G	2,956.63
9314	11/17/22	PA DEPARTMENT O	10310-G	43.00
9315	11/17/22	PASTORE PLUMBIN	10310-G	2,800.00
9316	11/17/22	PENNSYLVANIA ON	10310-G	63.69
9317	11/17/22	Pioneer Research	10310-G	719.51
9318	11/17/22	POSTMASTER	10310-G	10,000.00
9319	11/17/22	PRECISION COPY P	10310-G	45.61
9320	11/17/22	RC WALTER & SON	10310-G	13.99
9321	11/17/22	RENO BROTHERS, I	10310-G	1,760.00
9322	11/17/22	RONDINELLI, DEBO	10310-G	400.00
9323	11/17/22	SHILOH SERVICE, I	10310-G	989.00
9324	11/17/22	UNISAFE	10310-G	389.67
9325	11/17/22	Yvonne gouker	10310-G	4.00
Total				150,050.39

CMA
Year to Date Income Statement
WWTP Budget to Actual
For the Ten Months Ending October 31, 2022
Percent of Year 83.33% (10 months / 12 months)

	Current Year Actual	Current Year Budget	Remaining Amount	Percent Expended
Revenues				
Clairton Collecti/Debt Service	\$ 893,815.47	\$ 1,191,638.00	297,822.53	75.01
Jefferson Hills Debt Service	773,833.80	928,601.00	154,767.20	83.33
Petersan WWTP Debt Service	667,556.20	801,067.00	133,510.80	83.33
South Park Debt Service	120,328.70	144,394.00	24,065.30	83.33
Total Debt Service Revenues	2,455,534.17	3,065,700.00	610,165.83	80.10
Clairton Collec/Operation/Main	1,860,932.00	1,078,920.00	(782,012.00)	172.48
Jefferson Hills Operation/Main	843,700.00	1,071,840.00	228,140.00	78.72
Petersan Operation/Maint	1,140,666.00	1,114,220.00	(26,446.00)	102.37
South Park Operation/Maint	224,430.00	233,720.00	9,290.00	96.03
Total Consumption Revenues	4,069,728.00	3,498,700.00	(571,028.00)	116.32
Other Revenue				
Sludge Acceptance	237,547.55	200,000.00	(37,547.55)	118.77
Collection Office Rent	0.00	12,000.00	12,000.00	0.00
Interest Income	19,577.95	6,000.00	(13,577.95)	326.30
Investment Interest	99,676.25	2,000.00	(97,676.25)	4,983.81
Capacity Fees	51,774.89	50,000.00	(1,774.89)	103.55
Total Other Revenues	408,576.64	270,000.00	(138,576.64)	151.32
Total Revenues	\$ 6,933,838.81	\$ 6,834,400.00	(99,438.81)	101.45
Expenses				
Office Expenses	\$ 11,711.93	\$ 15,400.00	3,688.07	76.05
Treatment Supplies & Chemicals	105,265.35	122,500.00	17,234.65	85.93
Treatment Sludge Disposal	277,560.89	300,000.00	22,439.11	92.52
Flow Monitoring Data & Fees	145,033.25	137,480.00	(7,553.25)	105.49
Equipment	5,416.21	465,000.00	459,583.79	1.16
Maintenance & Repair	1,654,868.39	68,200.00	(1,586,668.39)	2,426.49
Vehicle Expense	16,010.97	12,000.00	(4,010.97)	133.42
Utilities	301,321.16	332,400.00	31,078.84	90.65
Wages & Taxes	659,087.46	894,380.00	235,292.54	73.69
Employee Benefits	326,105.40	365,024.00	38,918.60	89.34
Conference & Memberships	13,574.45	26,000.00	12,425.55	52.21
Professional Services	214,945.43	277,900.00	62,954.57	77.35
Insurance	71,866.65	80,000.00	8,133.35	89.83
Total Operating Expenses	3,802,767.54	3,096,284.00	(706,483.54)	122.82
Total Debt Payments				
Series B Bond Interest Expense	967,850.00	1,935,700.00	967,850.00	50.00
Series B Bond Principal	0.00	1,130,000.00	1,130,000.00	0.00
Debt Service Coverage - 10%	0.00	306,562.00	306,562.00	0.00
Total Debt Payments	967,850.00	3,372,262.00	2,404,412.00	28.70
Total Expenses	4,770,617.54	6,468,546.00	1,697,928.46	73.75
Over/Under Budget	\$ 2,163,221.27	\$ 365,854.00	(1,797,367.27)	591.28

For Management Purposes Only

CMA
Year to Date Income Statement
Collection Budget to Actual
For the Ten Months Ending October 31, 2022
Percent of Year 83.33% (10 months /12 months)

	Current Year Actual	Current Year Budget	Remaining Amount	Percent Expended
Revenues				
Residential Flat Rate	\$ 842,333.50	\$ 1,000,000.00	157,666.50	84.23
Commerical Flat Rate	122,962.47	145,000.00	22,037.53	84.80
Alleg Housing Flat Rate	96,000.00	115,200.00	19,200.00	83.33
School Flat Rate	18,000.00	21,600.00	3,600.00	83.33
USS Flat Rate	716,500.00	859,800.00	143,300.00	83.33
Total Debt Service Revenues	1,795,795.97	2,141,600.00	345,804.03	83.85
Total Consumption Revenues	1,055,622.83	1,334,000.00	278,377.17	79.13
Total Consumption Revenues	\$ 1,055,622.83	\$ 1,334,000.00	278,377.17	79.13
CTH Consumption Revenues	\$ 0.00	\$ 0.00	0.00	0.00
CTH Debt Service Revenues	133,000.00	0.00	(133,000.00)	0.00
CTH Penalty and Interest	0.00	0.00	0.00	0.00
Total Century Townhomes	133,000.00	0.00	(133,000.00)	0.00
Other Revenue				
Penalty	148,940.93	124,000.00	(24,940.93)	120.11
Dye Test Fees - Plumber	(2,275.00)	0.00	2,275.00	0.00
Dye Test - Application Fees	5,800.00	5,800.00	0.00	100.00
Lien Letter Fees	3,875.00	4,500.00	625.00	86.11
NSF Fees	158.00	300.00	142.00	52.67
Posting Fees -Terminations \$20	49,841.50	65,000.00	15,158.50	76.68
Magistrate & Legal Fees	0.00	350.00	350.00	0.00
Notice Fee - \$15	(15.00)	8,000.00	8,015.00	(0.19)
Interest Income	0.00	1,900.00	1,900.00	0.00
Investment Interest	0.02	0.00	(0.02)	0.00
Prior Sewage Fee	0.00	700.00	700.00	0.00
Total Other Revenues	206,325.45	210,550.00	4,224.55	97.99
Total Revenues	\$ 3,190,744.25	\$ 3,686,150.00	495,405.75	86.56
Expenses				
Office Expenses	\$ 5,153.27	\$ 8,056.00	2,902.73	63.97
Billing Expense	40,330.12	53,500.00	13,169.88	75.38
Collection System Supplies	29,630.30	25,600.00	(4,030.30)	115.74
Equipment	32,293.16	17,000.00	(15,293.16)	189.96
Maintenance & Repair	7,318.07	103,360.00	96,041.93	7.08
Vehicle Expense	17,464.78	15,800.00	(1,664.78)	110.54
Utilities	19,994.06	28,320.00	8,325.94	70.60
Wages & Taxes	353,414.02	357,750.00	4,335.98	98.79
Employee Benefits	144,941.33	196,300.00	51,358.67	73.84
Conference & Memberships	5,197.95	11,000.00	5,802.05	47.25
Professional Services	93,792.15	98,900.00	5,107.85	94.84
Insurance	36,454.35	41,620.00	5,165.65	87.59
WWTP Treatment Charges	1,416,250.00	1,240,000.00	(176,250.00)	114.21
Total Operating Expenses	2,202,233.56	2,197,206.00	(5,027.56)	100.23
Total Debt Payments				

For Management Purposes Only

CMA
Year to Date Income Statement
Collection Budget to Actual
For the Ten Months Ending October 31, 2022
Percent of Year 83.33% (10 months /12 months)

	Current Year Actual	Current Year Budget	Remaining Amount	Percent Expended
Debt Pmt City of Clairton	359,102.10	407,738.00	48,635.90	88.07
Debt Pmt (full bond)	440,080.20	525,213.00	85,132.80	83.79
Debt Service Coverage - 10%	0.00	52,363.00	52,363.00	0.00
Debt Pmt WWTP Transfers	893,815.47	1,191,638.00	297,822.53	75.01
Total Debt Payments	<u>1,692,997.77</u>	<u>2,176,952.00</u>	<u>483,954.23</u>	77.77
Total Expenses	<u>3,895,231.33</u>	<u>4,374,158.00</u>	<u>478,926.67</u>	89.05
Over/Under Budget	\$ <u>(704,487.08)</u>	\$ <u>(688,008.00)</u>	<u>16,479.08</u>	102.40

CMA
Cash Account Monthly Summary
As of: October 31, 2022

	<u>Beginning Balance</u>		<u>Deposits</u>		<u>Disbursements</u>		<u>Ending Balance</u>
Operating Accounts							
10320-T FN-WWTP Depository	6,480,597.53	\$	525,728.40	\$	(630,268.30)	\$	6,376,057.63
10330-C FN-Collection Depository	3,833,719.71		338,352.83		(416,346.23)		3,755,726.31
10311-G FN-Payroll	4,745.65		97,814.38		(100,857.70)		1,702.33
10310-G FN-Disbursements	140,742.16		264,331.86		(217,608.96)		187,465.06
Reserved Accounts							
10331-C FN-Collection City Pmts	258,134.55		0.00		(75,684.52)		182,450.03
10322-T FN-OPEB	503,286.25		1,025.88		0.00		504,312.13
10321-T FN-WWTP Capacity & Capital Im	2,502,666.51		8,339.56		0.00		2,511,006.07
10333-C Collection Capital Improvement	1,216,357.23		0.00		0.00		1,216,357.23
10332-T WWTP Debt Coverage	79,255.49		161.55		0.00		79,417.04
Total FNB Accounts	15,019,505.08	\$	1,235,754.46	\$	(1,440,765.71)	\$	14,814,493.83
Trustee Accounts							
10200-C WF Series A - Construction	3.07	\$	0.01	\$	0.00	\$	3.08
10200-T WF - Series B - Construction	292,386.18		728.99		(25,867.42)		267,247.75
10220-T WF - Debt Service	1,850,394.32		457,857.67		0.00		2,308,251.99
10221-T WF - Debt Service Reserve	3,553,660.06		5,623.54		0.00		3,559,283.60
Total Trustee Accounts	5,696,443.63	\$	464,210.21	\$	(25,867.42)	\$	6,134,786.42
Grand Total	20,715,948.71	\$	1,699,964.67	\$	(1,466,633.13)	\$	20,949,280.25

October 2022 Sewer Billing

Sewer Receivables

<u>Service</u>	<u>Description</u>	<u>Charges</u>	<u>Adjustments</u>	<u>Penalties</u>	<u>Interest</u>	<u>Discounts</u>	<u>Refunds</u>	<u>Adjusted R Receipts</u>
ALLF1	Allegheny Housing Flat (Wylie)	8,050.00		0	0	0	0	-8,050.00
ALLF2	Allegheny Housing Flat (Reed)	1,550.00		0	0	0	0	-1,550.00
CNTRY	Century Town Homes Flat Rate	13,300.00		0	665	3,175.63	0	0
COLLE	Metered Sewer Collection	89,079.33		-347.7	1,413.43	3,372.45	0	16.24
COMIF	Commercial Sewer Flat Rate	13,039.72		0	191.23	58.56	0	0
RESF	Residential Sewer Flat Rate	84,868.00		-107.72	1,686.78	6,234.57	0	33.76
PRIOR	Prior Balances	0		0	0	0.01	0	0
SSRF	School Sewer Flat Rate	1,800.00		0	0	0	0	0
USSF	USS Sewer Flat Rate	71,650.00		0	0	0	0	0
	Billed Collection Flat usage Charge	16		0	0	0	0	0
	Sewer Receivables Totals	283,353.05		-455.42	3,956.44	12,841.22	0	50
								-277,598.05

Sewer Direct

<u>Service</u>	<u>Description</u>	<u>Charges</u>	<u>Adjustments</u>	<u>Penalties</u>	<u>Interest</u>	<u>Discounts</u>	<u>Refunds</u>	<u>Adjusted R Receipts</u>
NSF Fee	NSF Fee	0		25	0	0	0	-75
POST	Posting Fee - Shut Offs	0		5,530.00	0	0	0	-5,359.52
TurnOff	Water Turn Off Fee	0		510	0	0	0	-411.78
TurnOn	Turn On Fee	0		210	0	0	0	-296.2
NOTICE	10-Day Delinquent Notice	0		0	0	0	0	-60
	Sewer Direct Totals	0		6,275.00	0	0	0	-6,202.50

Sewer Summary

Previous Ending Balance	2,317,785.53	
Charges	283,353.05	
Adjustments	5,819.58	
Penalties	3,956.44	
Interest	12,841.22	
Discounts	0	
Refunds	0	
Adjusted Receipts	50	
Receipts	-283,800.55	
Current Balance	2,340,005.27	
	Total Receipts	-283,750.55

Report of the Finance Director – November 17, 2022

Century Townhomes – A mediation session was held in our offices on July 9, 2021. A video conference was held with the solicitor in July, he will report on that. A mediation session is scheduled for September 12, 2022. **The solicitor will discuss with the Board in Executive Session.**

Upstream Communities: We sent out via email the 2021 Audit reports on July 8, 2022. We have performed the preliminary calculation and it appears that due to increased expenses there may be no payment to the Upstream communities from 2021. The report was emailed to the communities on October 18, 2022. **Nothing New to Report.**

Delinquent Accounts shutoffs – In October we sent out 262, 10- day delinquent notices, 76 properties were posted for shutoff, and 18 accounts were sent over to the water company for shut off and 14 were shut off.

Low Income Household Water Assistance Program (LIHWAP) – We have signed on with the PA Department of Human Services to be vendors under this federally funded program which can provide up to \$2,500 per customer who have an arrearage in their sewer bills. They must meet certain income levels similarly to that of the \$Energy fund program (Income 1.5 X poverty level). Once approved payments will be made directly to us. **This program has ended.**

Payment Plans – Due to the coronavirus, per the direction of the Board, the CMA has issued 92 payment plans since 3/29/2021. The total amount owed is \$104,377.29. Of the 92 plans 7 have been paid in full and approximately 30% of the monies owed have been paid, mostly as the initial down payment. Eight (8) more customers have not kept their plan and have been sent over for shutoff. **As of November 15, 2022, we have a total of 16 active payment plans.**

Collections Crew Management and Reporting – The October 2022 report has been sent to you.

\$Energy Fund – In October, the fund processed 15 applications, approved 14.

PennVest –The PennVest financing closed on June 8, 2022. **Nothing new to report.**

Grants – We are collaborating with our engineers and grant consultants to be prepared to file for them when they are available. Looking at Federal Grants through the Department of Agriculture for some funding. As a result of the meeting with Senator Bruster we have submitted a funding request from the RCAP program and are awaiting agency approval. The Redevelopment Assistance Capital Program (RACP) grant program is managed by the Commonwealth of Pennsylvania's Office of the Budget (OB) for economic development projects throughout the state. RACP grant awards are issued by the Commonwealth and passed through a municipality or a public authority. **We are still awaiting information from the state on whether our application has been approved.**

KLH is still preparing an application for a 2022 PA Small Water and Sewer Grant Application for the Golden Gate Phase 2 Sanitary Sewer Overflow Project.

Budget 2023 – A draft of the 2023 Budget has been prepared and has been submitted to the Upstream Communities per the 2012 Treatment Agreement via email.

November 2022 Operation and Collection Report

- Started draining and cleaning #2 and #3 aeration basins. #3 basin will remain out of service until MBR is operational. #2 basin will be put back into service once concrete work is complete for construction. Plant is operating on two aeration basins as of now.
- Reno Bros. came out and added the 2 new HVAC units to their service contact
- Both HVAC units are up and running. Port Vue Plumbing is finishing their punch list.
- Had to purchase a new chlorinator, we experienced intermittent chlorine problems. BissNuss came out and suggested that we replace our chlorinator. It was manufactured in 1996
- Plenty of concrete work being done throughout plant as part of the upgrade. The new outfall is poured, meter pit in place by digester, MBR splitter box is being constructed, started work on splitter box for clarifier.
- Bronder is continuing to work on their electrical piping at headworks and inquired about running conduit through troughs that will no longer be in use so that they can continue to work
- Wayne Crouse will remove air diffusers in #3 aeration tank and they will remove and replace half of the diffusers in #2 aeration tank once concrete work is complete in that tank.
- Duperon is continuing to work on the perforated screens. We have had numerous issues with the screens. Duperon has been on site to fix the problems when they arise. Duperon tells me that they are fully committed to get the screens to work as intended.
- Posted on Indeed to look for a candidate for Jim's position. Jim and I spoke with 1 individual. Not too many quality responses for the position.



CLAIRTON MUNICIPAL AUTHORITY

Consulting Engineer's Report

November 17, 2022

ACTIVE ITEMS

Phase II Upgrade Project

Construction meetings were held on October 25, 2022 and November 15, 2022.

Wayne Crouse submitted their Pay Application No. 5, in the amount of \$587,249.28 for payment. This pay application includes mobilization, field offices, shop drawings, concrete demolition, and cascade aeration structure. KLH has reviewed, and we recommend Board approval for submission to PENNVEST for payment.

Bronder submitted their Pay Application No. 3, in the amount of \$9,000.00 for payment. This pay application includes demolition and temporary electrical work. KLH has reviewed, and we recommend Board approval for submission to PENNVEST for payment. Bronder submitted a change order request, for material cost escalation, in response to KLH's request. KLH prepared Change Order No. 1, in the amount of \$203,113.71, for material cost escalation. KLH recommends approval of this change order.

KLH submitted the building permit application to the City of Clairton on August 25, 2022. As previously discussed, Mr. Hannon found a copy of an agreement between the City of Clairton and the Authority indicating that the Authority does not have to pay Building Permit fees. KLH sent this agreement to the City along with a request for confirmation that the City would like the Building Permit application to be submitted. KLH reiterated that our opinion is that a building permit is not required for this project since no new buildings are being constructed, and the work within the existing buildings is related to wastewater treatment process, which is not governed by building code. The City Manager acknowledged the agreement. No comments have been received yet.

Headworks and Pump Station HVAC

Over the past month, Port Vue completed gas meter and piping installation. A technician was on site to perform startup and training on both units. Both HVAC units are currently fully operational. Punchlist inspection was completed, and Port Vue still needs to install two bollards at the Headworks unit. We anticipate that the project will be completed before the end of the month. Port Vue did not submit a pay application this month.

CDBG Year 47

The bid opening for CDBG Year 47 was held on February 17, 2022. The lowest bidder was Jet Jack Inc. with a bid price of \$186,642.00. The contract was awarded to Jet Jack. Jet Jack is proceeding with contract work. All sewer replacement including road and sidewalk restoration has been completed. Lining work has not been completed yet. We are anticipating completion of all contract work by the end of this month. Jet Jack did not submit a pay application this month.

We will need to process a change order for approximately \$5,000 for sidewalk restoration. A Columbia Gas gas line was installed through the existing manhole. The manhole will be relocated into City sidewalk to address this issue. Columbia Gas has agreed to reimburse the Authority for this cost.

CDBG Year 48

Application was submitted for a sewer rehabilitation project. Total project cost estimate was \$160,507. Grant funding was awarded in the amount of \$104,329.64. KLH is proceeding with preparation of drawings and specifications for bid.

CDBG Year 49

Application was submitted a sewer rehabilitation project on September 1, 2022. Project cost estimate is \$390,003.49 (CDBG share = \$228,683.88, CMA share = \$161,319.61)

Rate Study

KLH is working with Authority staff to evaluate City of Clairton rate increase required to cover the Pennvest debt service.

Capital Requisition

Requisition 379-B in the amount of \$27,355.50 is presented for Board approval. This requisition includes invoices from KLH for construction administration and construction inspection and Phase II Oversight Committee coordination.

2022 PA Small Water and Sewer Grant Application

KLH is proceeding with 2022 PA Small Water and Sewer Grant Application for Golden Gate Phase 2 Sanitary Sewer Overflow Project. This is a PA DEP Long Term Control Plan required project. Application is due December 21, 2022. Project cost is estimated at approximately \$500,000. A 15% Authority match is required.

Respectfully Submitted,



Joseph M. Gianvito, P.E.

CHANGE ORDER

No. 1PROJECT Wastewater Treatment Plant Upgrade - Phase 2DATE OF ISSUANCE 11/7/2022EFFECTIVE DATE 11/7/2022OWNER Clairton Municipal AuthorityCONTRACTOR Bronder Technical ServicesOWNER'S Contract No. 2019-02 REBID ENGINEER KLH Engineers, Inc.

You are directed to make the following changes in the Contract Documents.

Description: Cost escalations for electrical equipment (except conduit/wire)Reason for Change Order: Cost increase from Rebid to current price (escalation)

Attachments: (List documents supporting change)

See attachments for original electrical equipment pricing during Rebid and current pricing for the electrical equipment

CHANGE IN CONTRACT PRICE:	CHANGE IN CONTRACT TIMES:
Original Contract Price <u>\$4,154,555.00</u>	Original Contract Times Substantial Completion: <u>N/A</u> Ready for final payment: <u>N/A</u> days or dates
Net changes from previous Change Orders No. <u>0</u> to No. <u>0</u> <u>\$0.00</u>	Net changes from previous Change Orders No. <u>0</u> to No. <u>0</u> <u>0</u>
Contract Price prior to this Change Order <u>\$4,154,555.00</u>	Contract Times prior to this Change Order Substantial Completion: <u>N/A</u> Ready for final payment: <u>N/A</u> days or dates
Net Increase of this Change Order <u>\$203,113.71</u>	Net Increase of this Change Order <u>0</u>
Contract Price with all approved Change Orders <u>\$4,357,668.71</u>	Contract Times with all approved Change Orders Substantial Completion: <u>N/A</u> Ready for final payment: <u>N/A</u> days or dates

RECOMMENDED:

By: [Signature]
Engineer (Authorized Signature)

APPROVED:

By: _____
Owner (Authorized Signature)

ACCEPTED:

By: [Signature]
Geoffrey F. Feidberg, President
Contractor (Authorized Signature)

INSTRUCTIONS

A. GENERAL INFORMATION

This document was developed to provide a uniform format for handling contract changes that affect Contract Price or Contract Times. Changes that have been initiated by Work Change Directive must be incorporated into a subsequent Change Order if they affect Contract Price or Times.

Changes that affect Contract Price or Contract Times should be promptly covered by a Change Order. The practice of accumulating change order items to reduce the administrative burden may lead to unnecessary disputes.

If Milestones have been listed any effect of a Change Order thereon should be addressed.

For supplemental instructions and minor changes not involving change in the Contract Price or Contract Times, a Field Order may be used.

B. COMPLETING THE CHANGE ORDER FORM

Engineer initiates the form, including a description of the changes involved and attachments based upon documents and proposals submitted by Contractor, or requests from Owner, or both.

Once Engineer has completed and signed the form, all copies should be sent to the Contractor for approval. After approval by the Contractor, all copies should be sent to Owner for approval. Engineer should make distribution of executed copies after approval by Owner.

If change only applies to Contract Price or to Contract Times, cross out the part of the tabulation that does not apply.

CED/MOSEBACH - PITTSBURGH
 MOSEBACH ELECTRIC SUPPLY
 133 INDUSTRY DRIVE
 PITTSBURGH PA 15276
 TEL: 412 494-5000 FAX: 412 494-5100
 CONTACT: JASON HOFFMAN

QUOTATION			PAGE
			002 OF 002
QUOTE #	DATE	REV #	REV DATE
1145374	12/06/2021	000	12/06/2021
QUOTE EXPIRES		PREPARED BY	
01/06/2022		JH	
SLS		INSL	
4098		2009	
FOB		FREIGHT	
SHIPPING POINT		PREPAID	

QUOTE FOR: BRONDER TECHNICAL
 ACCT #: 39-10700 BRONDER TECHNICAL - HOUSE ACC

990 WEST OLD ROUTE 422
 PROSPECT, PA 16052
 TEL: (724) 306-1600

CUS PO #:
JOB NAME: MELTRIC CONNECTORS

LN	QTY	MFR	CATALOG #	DESCRIPTION	PRICE	UOM	EXT AMT
33	4	MELCO	592M3	30A 30D DSN3 MTL ANGLE	0.00	E	.00
34	*	PUMP CONTROL DISCONNECT					
35	20	MELCO	1714081	480V RCP	0.00	E	.00
36	20	MELCO	1718081	480V INL	0.00	E	.00
37	20	MELCO	613P0N12	1-1/4 30A DS3 FLY HNDL	0.00	E	.00
38	20	MISC	RSSS420-E		0.00	E	.00
39	20	MELCO	191A126	20A DN9 NEO PROT CAP	0.00	E	.00
40	20	MELCO	616A346	DSN6 FINGER DRAW PLT	0.00	E	.00
41	20	MELCO	593M3	60A 30D DSN6 MTL ANGLE	0.00	E	.00

TOTAL: 47,085.34

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 WITHOUT PRIOR NOTICE. WE MAKE NO REPRESENTATION WITH RESPECT TO COMPLIANCE WITH JOB
 SPECIFICATIONS.

CEDEMOSEBACH - PITTSBURGH
MOSEBACH ELECTRIC SUPPLY
133 INDUSTRY DRIVE
PITTSBURGH PA 15275
TEL: 412 494-5000 FAX: 412 494-5100
CONTACT: JASON HOFFMAN

QUOTATION		PAGE	
		001 OF 002	
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01/06/2022		JH	
SLS		INSL	
4098		2009	
FOB		FREIGHT	
SHIPPING POINT		PREPAID	

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ACCT #: 39-10700 BRONDER TECHNICAL - HOUSE ACC

990 WEST OLD ROUTE 422
PROSPECT, PA 16052
TEL: (724) 306-1600

CUS PO #:
JOB NAME: MELTRIC CONNECTORS

LN	QTY	MFR	CATALOG #	DESCRIPTION	PRICE	UOM	EXT AMT
01	1	MISC	MELTRIC CONNECTORS		47,085.34	E	47,085.34
02	*	CONSISTING OF:					
03	*	MEMBRANE TANK					
04	8	MELCO	6394043843	150A 480V RCP	0.00	E	.00
05	8	MELCO	6398043	150A 480V INL	0.00	E	.00
06	8	MELCO	615P0N20	2IN 100A DSN POLY HNDL	0.00	E	.00
07	8	MISC	RSSS-6735-E	REMKE CORD GRIP	0.00	E	.00
08	8	MELCO	619A426		0.00	E	.00
09	8	MELCO	595M0	100A DSN 90D MTL ADPTR	0.00	E	.00
10	*	TRAIN 1-4					
11	4	MELCO	6334043843	30A 480V DSN3 RCPT	0.00	E	.00
12	4	MELCO	6338043	30A 480V DSN3 INLET	0.00	E	.00
13	4	MELCO	612P0N12	1-1/4 DS1 20A PLY HNDL	0.00	E	.00
14	4	MISC	RSSS420-E	REMKE CORD GRIP	0.00	E	.00
15	4	MELCO	616A426	PLUG CAP	0.00	E	.00
16	4	MELCO	613A346	DSN3 FINGER DRAW PLT	0.00	E	.00
17	4	MELCO	592M0	30A DSN3 MTL STRT ADPTR	0.00	E	.00
18	*	ANOXIC BASIN					
19	4	MELCO	6334043843	30A 480V DSN3 RCPT	0.00	E	.00
20	4	MELCO	6338043	30A 480V DSN3 INLET	0.00	E	.00
21	4	MELCO	612P0N12	1-1/4 DS1 20A PLY HNDL	0.00	E	.00
22	4	MISC	RSSS420-E	REMKE CORD GRIP	0.00	E	.00
23	4	MELCO	613A426	PROTECTIVE CAP	0.00	E	.00
24	4	MELCO	613A346	DSN3 FINGER DRAW PLT	0.00	E	.00
25	4	MELCO	592M3	30A 30D DSN3 MTL ANGLE	0.00	E	.00
26	*	STORAGE AND CLARIFIER DE-WATERING PUMP					
27	4	MELCO	6334043843	30A 480V DSN3 RCPT	0.00	E	.00
28	4	MELCO	6338043	30A 480V DSN3 INLET	0.00	E	.00
29	4	MELCO	612P0N12	1-1/4 DS1 20A PLY HNDL	0.00	E	.00
30	4	MISC	RSSS420-E		0.00	E	.00
31	4	MELCO	613A426	PROTECTIVE CAP	0.00	E	.00
32	4	MELCO	613A346	DSN3 FINGER DRAW PLT	0.00	E	.00

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MOSEBACH - PITTSBURGH
MOSEBACH ELECTRIC SUPPLY
133 INDUSTRY DRIVE
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TEL: 412 494-6000 FAX: 412 494-5100
CONTACT: JASON HOFFMAN

QUOTATION		PAGE 002 OF 002	
QUOTE #	DATE	REV #	REV DATE
1155192	04/12/2022	000	04/12/2022
QUOTE EXPIRES		PREPARED BY	
05/12/2022		JH	
SLS		INSL	
4098		2009	
FOB		FREIGHT	
SHIPPING POINT		PREPAID	

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PROSPECT, PA 16052
TEL: (724) 306-1600

CUS PO #:
JOB NAME: MELTRIC CONNECTORS

LN	QTY	MFR	CATALOG #	DESCRIPTION	PRICE	UOM	EXT AMT
33	4	MELCO	592M3	30A 30D DSN3 MTL ANGLE	0.00	E	.00
34	*		PUMP CONTROL DISCONNECT				
35	20	MELCO	1714081	480V RCP	0.00	E	.00
36	20	MELCO	1718081	480V INL	0.00	E	.00
37	20	MELCO	513P0N12	1-1/4 30A DS3 PLY HNDL	0.00	E	.00
38	20	MISC	R8SS420-E		0.00	E	.00
39	20	MELCO	191A126	20A DN9 NEO PROT CAP	0.00	E	.00
40	20	MELCO	616A346	DSN6 FINGER DRAW PLT	0.00	E	.00
41	20	MELCO	593M3	60A 30D DSN6 MTL ANGLE	0.00	E	.00

TOTAL: 60,857.00

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QUOTATION			PAGE
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LN	QTY	MFR	CATALOG #	DESCRIPTION	PRICE	UOM	EXT AMT
01	1	MISC	MELTRIC CONNECTORS		60,857.00	E	60,857.00
02	*		CONSISTING OF:				
03	*		MEMBRANE TANK				
04	8	MELCO	6394043843	150A 480V RCP	0.00	E	.00
05	8	MELCO	6398043	150A 480V INL	0.00	E	.00
06	8	MELCO	616P0N20	2IN 100A DS9 POLY HNDL	0.00	E	.00
07	8	MISC	RSSS-6736-E		0.00	E	.00
08	8	MELCO	319A426		0.00	E	.00
09	8	MELCO	695M0	100A DS9 90D MTL ADPTR	0.00	E	.00
10	*		TRAIN 1-4				
11	4	MELCO	6334043843	30A 480V DSN3 RCPT 30A	0.00	E	.00
12	4	MELCO	6338043	480V DSN3 INLET 1-1/4	0.00	E	.00
13	4	MELCO	612P0N12	DS1 20A PLY HNDL R	0.00	E	.00
14	4	MISC	RSSS420-E	PLUG CAP	0.00	E	.00
15	4	MELCO	616A426	DSN3 FINGER DRAW PLT	0.00	E	.00
16	4	MELCO	613A346	30A DSN3 MTL STRT	0.00	E	.00
17	4	MELCO	692M0	ADPTR	0.00	E	.00
18	*		ANOXIC BASIN	30A 480V DSN3 RCPT 30A			
19	4	MELCO	6334043843	480V DSN3 INLET 1-1/4	0.00	E	.00
20	4	MELCO	6338043	DS1 20A PLY HNDL R	0.00	E	.00
21	4	MELCO	612P0N12	PROTECTIVE CAP DSN3	0.00	E	.00
22	4	MISC	RSSS420-E	FINGER DRAW PLT 30A	0.00	E	.00
23	4	MELCO	613A426	30D DSN3 MTL ANGLE	0.00	E	.00
24	4	MELCO	613A346		0.00	E	.00
25	4	MELCO	692M3		0.00	E	.00
26	*		STORAGE AND CLARIFIER DE-WATERING PUMP				
27	4	MELCO	6334043843	30A 480V DSN3 RCPT	0.00	E	.00
28	4	MELCO	6338043	30A 480V DSN3 INLET	0.00	E	.00
29	4	MELCO	612P0N12	1-1/4 DS1 20A PLY HNDL	0.00	E	.00
30	4	MISC	RSSS420-E		0.00	E	.00
31	4	MELCO	613A426	PROTECTIVE CAP	0.00	E	.00
32	4	MELCO	613A346	DSN3 FINGER DRAW PLT	0.00	E	.00

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**QUALITY
ELECTRICAL
SYSTEMS**

PHONE 1(801) 566-7200

FAX 1 (801) 225-0835

BILL OF MATERIAL

For
CLAIRTON WWTP

FACTORY TEST BY
AUTHORIZED WARRANTY
SERVICE PERSONNEL
INCLUDED IN PRICE

ITEM	QTY	DESCRIPTION
------	-----	-------------

SPARE PARTS:

- | | |
|----|---|
| 9 | One of each different type of control board used within the VFDs. |
| 2 | One door mounted operator's keypad for the VFDs. |
| 54 | Six Control fuses of each different type used within the VFD's |
| 54 | Six Power fuses of each different type used within the VFD's |
| 1 | Copy of the VFD programming software |
| 1 | PC interconnecting cable |

SPART PARTS TOTAL: \$ INCLUDED

- | | |
|---|---|
| 1 | Up to 12 sets of submittals & shop drawings per job AND up to 6 sets of O & M manuals and as built drawings per job |
| 1 | 2 YEAR FACTORY WARRANTY INCLUDED, and an additional 0 years extended warranty / service contract |
| 1 | ASSEMBLY, TESTING, U.L. LISTING AND LABELING OF ENTIRE SYSTEM |

PACKAGE TOTAL	\$572,000.00	FRIEGHT INCLUDED
----------------------	---------------------	-------------------------

PROJECT SHIPPING ESTIMATE

Departure Destination (Midvale UT, 84047), Arrival Destination (15025)

Packing List:

QTY.	39	CLAIRTON WWTO VFD's	\$
			SHIPPING ESTIMATE \$

SHIPPING CLARIFICATIONS:

This shipping estimate was calculated 00/00/2020 and is subject to change.

Shipping rates vary daily based on fuel prices and industry demand.

Final shipping cost will be calculated at time of project completion.

CLARIFICATIONS:

Quoted PACKAGE TOTAL DOES NOT include freight, shipping costs calculated at time of shipment.

Quoted price does not include sale tax

This quotation is good for 45 days after project bid date.

Submittal lead time is 6-8 weeks ARO

Material lead time is 24-36 weeks after receipt of returned approved submittals

Quotation includes only items specifically in this bill of material and it's referenced attachments.

Any onsite start-up or training is not included in this quote but may be added for an additional cost if requested.

QES is taking exceptions to all spare or extra parts, these items can be provided if requested for an additional cost.

04/14/2022


**QUALITY
ELECTRICAL
SYSTEMS™**

FAX 1 (801) 225-0835
PHONE 1(801) 566-7200

PREPARED FOR: Vincent Incovati
PREPARED BY: Kade Worton

BILL OF MATERIAL
For
CLAIRTON WWTP

FACTORY TEST BY
AUTHORIZED WARRANTY
SERVICE PERSONNEL
INCLUDED IN PRICE

ITEM	QTY	DESCRIPTION	
	1	2 HP, 480 VOLT, 3 PHASE VFD SYSTEM AS DESCRIBED BELOW VFD Part #: ABB ACS580-01-04A8-4 ABB VFD LT: 10-12 Weeks	\$
	4	6 HP, 480 VOLT, 3 PHASE, VFD SYSTEM AS DESCRIBED BELOW VFD Part #: ABB ACS580-01-012A-4 ABB VFD LT: 10-12 Weeks	\$
	4	7.5 HP, 480 VOLT, 3 PHASE, VFD SYSTEM AS DESCRIBED BELOW VFD Part #: ABB ACS580-01-012A-4 ABB VFD LT: 10-12 Weeks	\$
	4	10 HP, 480 VOLT, 3 PHASE, VFD SYSTEM AS DESCRIBED BELOW VFD Part #: ABB ACS580-01-014A-4 ABB VFD LT: 28-32 Weeks	\$
	4	15 HP, 480 VOLT, 3 PHASE, VFD SYSTEM AS DESCRIBED BELOW VFD Part #: ABB ACS580-01-023A-4 ABB VFD LT: 15-18 Weeks	\$
	8	50 HP, 480 VOLT, 3 PHASE, VFD SYSTEM AS DESCRIBED BELOW VFD Part #: ABB ACS580-01-065A-4 ABB VFD LT: 5-7 Weeks	\$
	8	75 HP, 480 VOLT, 3 PHASE, VFD SYSTEM AS DESCRIBED BELOW VFD Part #: ABB ACS580-01-124A-4 ABB VFD LT: 5-7 Weeks	\$
	1	100 HP, 480 VOLT, 3 PHASE, VFD SYSTEM AS DESCRIBED BELOW VFD Part #: ABB ACS580-01-124A-4 ABB VFD LT: 5-7 Weeks	\$
	5	300 HP, 480 VOLT, 3 PHASE, VFD SYSTEM AS DESCRIBED BELOW VFD Part #: ABB ACS580-01-381A-4 ABB VFD LT: 5-7 Weeks	\$

1 FACTORY AUTHORIZED FIELD START-UP FOR EACH VFD
39 VFD HARMONICS TEST AND REPORT
1 ON SITE CUSTOMER TRAINING (8 Hours)

TOTAL: \$ 602,000.00



QUALITY ELECTRICAL SYSTEMS™

Job Name: CLAIRTON WWTP

EACH VFD SYSTEM INCLUDES:

ENCLOSURE	0	NEMA 1 ECONOMY ENCLOSURE CONTAINING ALL DEVICES NO EXTERNAL INTER-CONNECTION REQUIRED
	0	NEMA 1G GASKETED ENCLOSURE WITH FILTERED FORCED AIR COOLING
	1	U.L. TYPE 12 FORCE-VENT ENCLOSURE WITH PREMIUM INLET AND EXHAUST FILTERS
	1	NEMA 3R /12 RAIN-TIGHT FORCE VENT ENCLOSURE W/ PREMIUM INLET AND EXHAUST FILTERS (300HP Units ONLY)
	0	NEMA 4 PAINTED STEEL WASH DOWN RATED ENCLOSURE, WITH CLOSED LOOP AIR CONDITIONING
	0	NEMA 4X 304 STAINLESS STEEL ENCLOSURE, WASH DOWN RATED, WITH CLOSED-LOOP AIR CONDITIONING
INPUT DISCONNECT	0	NON- FUSED SWITCH
	0	STANDARD MOTOR CIRCUIT PROTECTOR W/ PADLOCKABLE DOOR INTERLOCKING OPERATOR HANDLE
	0	65K SCCR MOTOR CIRCUIT PROTECTOR W/ PADLOCKABLE DOOR INTERLOCKING OPERATOR HANDLE
	0	35K AIC INPUT CIRCUIT BREAKER W/ PADLOCKABLE DOOR INTERLOCKING BREAKER OPERATOR HANDLE
	1	65K AIC INPUT CIRCUIT BREAKER W/ PADLOCKABLE DOOR INTERLOCKING BREAKER OPERATOR HANDLE
	0	100K CLASS "J" FUSED DISCONNECT W/ PADLOCKABLE DOOR INTERLOCKING OPERATOR HANDLE
INPUT OPTIONS	0	3% LINE REACTOR INPUT
	0	5% LINE REACTOR INPUT
	1	MTE MATRIX HARMONICS FILTER GUARANTEED TO MEET IEEE 519, 1992 REQUIREMENTS
	0	18-PULSE RECTIFIER, INCLUDING PHASE SHIFTING TRANSFORMER AND BALANCING REACTOR
	1	SET - INPUT CURRENT LIMITING FUSES, 200K AIC
	0	INPUT TVSS ,DRIVE OPTIMIZED FOR RECTIFIER PROTECTION - RAYCAP "30"s--100KA
DRIVES	1	ABB ACS580 VFD SIZED TO MEET THE REQUIREMENT AT ELEVATION AND TEMPERATURE
	0	VFD SIZED TO MEET THE REQUIREMENT AT ELEVATION AND TEMPERATURE
	1	DOOR-MOUNTED KEYPAD INTERFACE DEVICE
	0	COMMUNICATION MODULE (MODBUS, DEVICENET, PROFI BUS DP, LON, OR BACNET. OTHER AT ADDITIONAL COST
	0	I/O MODULE
	0	NEMA 3R DOOR MOUNTED KEYPAD INTERFACE DEVICE WITH SUN SHIELD
BYPASS	0	CONTACTOR BYPASS, HORSE POWER (IEC) RATED (MECHANICALLY & ELECTRICALLY INTERLOCKED)
	0	CONTACTOR BYPASS NEMA RATED (MECHANICALLY & ELECTRICALLY INTERLOCKED)
	0	CLASS 20 ADJUSTABLE THERMAL OVER LOAD RELAY
	0	SOLID STATE OVER LOAD RELAY WITH PHASE LOSS PROTECTION
MOTOR PROTECTION	0	3% OUTPUT REACTOR
	0	5% OUTPUT REACTOR
	0	OUTPUT DV / DT FILTER FOR MOTOR PROTECTION
	0	OUTPUT SINE WAVE FILTER FOR EXTRA LONG LEAD MOTOR PROTECTION
	0	RTD MONITOR / RELAY DOOR MOUNTED (UP TO 12 RTDs)
	0	PUMP PROTECTION RELAY, MOISTURE AND TEMP MONITOR
PILOT DEVICES	2	30mm SELECTOR SWITCHES OR PUSH BUTTONS
	4	30mm LED PRESS TO TEST PILOT LIGHTS
	0	22mm SELECTOR SWITCHES OR PUSH BUTTONS
	0	22mm LED PILOT LIGHTS
	0	SPEED POT (DOOR MOUNTED)
	0	
CONTROL OPTIONS	1	CONTROL POWER TRANSFORMER W/ PRIMARY & SECONDARY FUSES
	0	24VDC POWER SUPPLY
	1	ELAPSED TIME METER, NON RESETABLE
	5	CONTROL RELAYS, 10 AMP ICE CUBE TYPE
	0	TIME DELAY RELAYS
	0	INPUT PHASE PROTECTION RELAY W/ PHASE LOSS, REVERSAL, OVER AND UNDER VOLTAGE PROTECTION
ADDITIONAL OPTIONS	0	THERMOSTAT / CONTROLS
	0	4-20mA ANALOG SIGNAL ISOLATORS INPUT OR OUTPUT
	0	OVERSIZED CAPACITY CONTROL POWER TRANSFORMER
	0	CUSTOM NAME PLATES
	0	NETA-21 MODULE REMOTE MONITORING TOOL
	0	AUX CONTACT WITH BELL ALARM
	0	ENCLOSURE SPACE HEATER, ANTICONDENSATION W/ CONTROLS
	0	AMMETER / VOLTMETER
	0	TRANSIENT COIL SURGE SUPPRESSORS
	0	POWER QUALITY METER WITH NEEDED CT'S AND PT'S
	0	UPGRADED INTRINSICALLY SAFE RELAYS
	0	



PHONE 1(801) 566-7200

FAX 1 (801) 225-0835

BILL OF MATERIAL

For
CLAIRTON WWTP

FACTORY TEST BY
AUTHORIZED WARRANTY
SERVICE PERSONNEL
INCLUDED IN PRICE

ITEM	QTY	DESCRIPTION
------	-----	-------------

SPARE PARTS:

- | | |
|----|---|
| 9 | One of each different type of control board used within the VFDs. |
| 2 | One door mounted operator's keypad for the VFDs. |
| 54 | Six Control fuses of each different type used within the VFD's |
| 54 | Six Power fuses of each different type used within the VFD's |
| 1 | Copy of the VFD programming software |
| 1 | PC interconnecting cable |

SPART PARTS TOTAL: \$ INCLUDED

- | | |
|---|---|
| 1 | Up to 12 sets of submittals & shop drawings per job AND up to 6 sets of O & M manuals and as built drawings per job |
| 1 | 2 YEAR FACTORY WARRANTY INCLUDED, and an additional 0 years extended warranty / service contract |
| 1 | ASSEMBLY, TESTING, U.L. LISTING AND LABELING OF ENTIRE SYSTEM |

PACKAGE TOTAL	\$602,000.00	FRIEGHT INCLUDED
---------------	--------------	------------------

PROJECT SHIPPING ESTIMATE

Departure Destination (Midvale UT, 84047), Arrival Destination (15025)

Packing List:

QTY. 39 CLAIRTON WWTO VFD's

SHIPPING CLARIFICATIONS:

This shipping estimate was calculated 00/00/2020 and is subject to change.

Shipping rates vary daily based on fuel prices and industry demand.

Final shipping cost will be calculated at time of project completion.

CLARIFICATIONS:

Quoted PACKAGE TOTAL DOES NOT include freight, shipping costs calculated at time of shipment.

Quoted price does not include sale tax

This quotation is good for 45 days after project bid date.

Submittal lead time is 6-8 weeks ARO

Material lead time is 24-36 weeks after receipt of returned approved submittals

Quotation includes only items specifically in this bill of material and it's referenced attachments.

Any onsite start-up or training is not included in this quote but may be added for an additional cost if requested.

QES is taking exceptions to all spare or extra parts, these items can be provided if requested for an additional cost.

12/07/2021



**QUALITY
ELECTRICAL
SYSTEMS**

FAX 1 (801) 225-0835
PHONE 1(801) 566-7200

PREPARED FOR: Vincent Incovati

PREPARED BY: Kade Worton

BILL OF MATERIAL
For
CLAIRTON WWTP

FACTORY TEST BY
AUTHORIZED WARRANTY
SERVICE PERSONNEL
INCLUDED IN PRICE

ITEM	QTY	DESCRIPTION	
	1	2 HP, 480 VOLT, 3 PHASE VFD SYSTEM AS DESCRIBED BELOW VFD Part #: ABB ACS580-01-04A8-4 ABB VFD LT: 10-12 Weeks	\$
	4	6 HP, 480 VOLT, 3 PHASE, VFD SYSTEM AS DESCRIBED BELOW VFD Part #: ABB ACS580-01-012A-4 ABB VFD LT: 10-12 Weeks	\$
	4	7.5 HP, 480 VOLT, 3 PHASE, VFD SYSTEM AS DESCRIBED BELOW VFD Part #: ABB ACS580-01-012A-4 ABB VFD LT: 10-12 Weeks	\$
	4	10 HP, 480 VOLT, 3 PHASE, VFD SYSTEM AS DESCRIBED BELOW VFD Part #: ABB ACS580-01-014A-4 ABB VFD LT: 28-32 Weeks	\$
	4	15 HP, 480 VOLT, 3 PHASE, VFD SYSTEM AS DESCRIBED BELOW VFD Part #: ABB ACS580-01-023A-4 ABB VFD LT: 15-18 Weeks	\$
	8	50 HP, 480 VOLT, 3 PHASE, VFD SYSTEM AS DESCRIBED BELOW VFD Part #: ABB ACS580-01-065A-4 ABB VFD LT: 5-7 Weeks	\$
	8	75 HP, 480 VOLT, 3 PHASE, VFD SYSTEM AS DESCRIBED BELOW VFD Part #: ABB ACS580-01-124A-4 ABB VFD LT: 5-7 Weeks	\$
	1	100 HP, 480 VOLT, 3 PHASE, VFD SYSTEM AS DESCRIBED BELOW VFD Part #: ABB ACS580-01-124A-4 ABB VFD LT: 5-7 Weeks	\$
	5	300 HP, 480 VOLT, 3 PHASE, VFD SYSTEM AS DESCRIBED BELOW VFD Part #: ABB ACS580-01-361A-4 ABB VFD LT: 5-7 Weeks	\$

1 FACTORY AUTHORIZED FIELD START-UP FOR EACH VFD
39 VFD HARMONICS TEST AND REPORT
1 ON SITE CUSTOMER TRAINING (8 Hours)

TOTAL: \$ 572,000.00



Job Name: CLAIRTON WWTP

EACH VFD SYSTEM INCLUDES:

ENCLOSURE	0	NEMA 1 ECONOMY ENCLOSURE CONTAINING ALL DEVICES NO EXTERNAL INTER-CONNECTION REQUIRED
	0	NEMA 1G GASKETED ENCLOSURE WITH FILTERED FORCED AIR COOLING
	1	U.L. TYPE 12 FORCE-VENT ENCLOSURE WITH PREMIUM INLET AND EXHAUST FILTERS
	1	NEMA 3R /12 RAIN-TIGHT FORCE VENT ENCLOSURE W/ PREMIUM INLET AND EXHAUST FILTERS (300HP Units ONLY)
	0	NEMA 4 PAINTED STEEL WASH DOWN RATED ENCLOSURE, WITH CLOSED LOOP AIR CONDITIONING
	0	NEMA 4X 304 STAINLESS STEEL ENCLOSURE, WASH DOWN RATED, WITH CLOSED-LOOP AIR CONDITIONING
INPUT DISCONNECT	0	NON- FUSED SWITCH
	0	STANDARD MOTOR CIRCUIT PROTECTOR W/ PADLOCKABLE DOOR INTERLOCKING OPERATOR HANDLE
	0	65K SCCR MOTOR CIRCUIT PROTECTOR W/ PADLOCKABLE DOOR INTERLOCKING OPERATOR HANDLE
	0	35K AIC INPUT CIRCUIT BREAKER W/ PADLOCKABLE DOOR INTERLOCKING BREAKER OPERATOR HANDLE
	1	65K AIC INPUT CIRCUIT BREAKER W/ PADLOCKABLE DOOR INTERLOCKING BREAKER OPERATOR HANDLE
	0	100K CLASS "J" FUSED DISCONNECT W/ PADLOCKABLE DOOR INTERLOCKING OPERATOR HANDLE
INPUT OPTIONS	0	3% LINE REACTOR INPUT
	0	5% LINE REACTOR INPUT
	1	MTE MATRIX HARMONICS FILTER GUARANTEED TO MEET IEEE 519, 1992 REQUIREMENTS
	0	18-PULSE RECTIFIER, INCLUDING PHASE SHIFTING TRANSFORMER AND BALANCING REACTOR
	1	SET - INPUT CURRENT LIMITING FUSES, 200K AIC
	0	INPUT TVSS ,DRIVE OPTIMIZED FOR RECTIFIER PROTECTION - RAYCAP "30"s--100KA
DRIVES	1	ABB ACS580 VFD SIZED TO MEET THE REQUIREMENT AT ELEVATION AND TEMPERATURE
	0	VFD SIZED TO MEET THE REQUIREMENT AT ELEVATION AND TEMPERATURE
	1	DOOR-MOUNTED KEYPAD INTERFACE DEVICE
	0	COMMUNICATION MODULE (MODBUS, DEVICENET, PROFI BUS DP, LON, OR BACNET. OTHER AT ADDITIONAL COST
	0	I/O MODULE
	0	NEMA 3R DOOR MOUNTED KEYPAD INTERFACE DEVICE WITH SUN SHIELD
BYPASS	0	CONTACTOR BYPASS, HORSE POWER (IEC) RATED (MECHANICALLY & ELECTRICALLY INTERLOCKED)
	0	CONTACTOR BYPASS NEMA RATED (MECHANICALLY & ELECTRICALLY INTERLOCKED)
	0	CLASS 20 ADJUSTABLE THERMAL OVER LOAD RELAY
	0	SOLID STATE OVER LOAD RELAY WITH PHASE LOSS PROTECTION
MOTOR PROTECTION	0	3% OUTPUT REACTOR
	0	5% OUTPUT REACTOR
	0	OUTPUT DV / DT FILTER FOR MOTOR PROTECTION
	0	OUTPUT SINE WAVE FILTER FOR EXTRA LONG LEAD MOTOR PROTECTION
	0	RTD MONITOR / RELAY DOOR MOUNTED (UP TO 12 RTDs)
	0	PUMP PROTECTION RELAY, MOISTURE AND TEMP MONITOR
PILOT DEVICES	2	30mm SELECTOR SWITCHES OR PUSH BUTTONS
	4	30mm LED PRESS TO TEST PILOT LIGHTS
	0	22mm SELECTOR SWITCHES OR PUSH BUTTONS
	0	22mm LED PILOT LIGHTS
	0	SPEED POT (DOOR MOUNTED)
CONTROL OPTIONS	1	CONTROL POWER TRANSFORMER W/ PRIMARY & SECONDARY FUSES
	0	24VDC POWER SUPPLY
	1	ELAPSED TIME METER, NON RESETABLE
	5	CONTROL RELAYS, 10 AMP ICE CUBE TYPE
	0	TIME DELAY RELAYS
	0	INPUT PHASE PROTECTION RELAY W/ PHASE LOSS, REVERSAL, OVER AND UNDER VOLTAGE PROTECTION
ADDITIONAL OPTIONS	0	THERMOSTAT / CONTROLS
	0	4-20mA ANALOG SIGNAL ISOLATORS INPUT OR OUTPUT
	0	OVERSIZED CAPACITY CONTROL POWER TRANSFORMER
	0	CUSTOM NAME PLATES
	0	NETA-21 MODULE REMOTE MONITORING TOOL
	0	AUX CONTACT WITH BELL ALARM
	0	ENCLOSURE SPACE HEATER, ANTICONDENSATION W/ CONTROLS
	0	AMMETER / VOLTMETER
	0	TRANSIENT COIL SURGE SUPPRESSORS
	0	POWER QUALITY METER WITH NEEDED CT'S AND PT'S
	0	UPGRADED INTRINSICALLY SAFE RELAYS

CED/NOSEBACH - PITTSBURGH
 MOSEBACH ELECTRIC SUPPLY
 133 INDUSTRY DRIVE
 PITTSBURGH PA 15275
 TEL: 412 494-5000 FAX: 412 494-5100
 CONTACT: JASON HOFFMAN

QUOTATION			PAGE
QUOTE #	DATE	REV #	REV DATE
1145391	12/07/2021	000	12/07/2021
QUOTE EXPIRES		PREPARED BY	
01/07/2022		JH	
SLS		INSL	
4098		2009	
FOB		FREIGHT	
SHIPPING POINT		PREPAID	

QUOTE FOR: BRONDER TECHNICAL
 ACCT #: 39-10700 BRONDER TECHNICAL - HOUSE ACC

990 WEST OLD ROUTE 422
 PROSPECT, PA 16052
 TEL: (724) 306-1600

CUS PO #:
JOB NAME: CLAIRTON WWTP GEAR

LN	QTY	MFR	CATALOG #	DESCRIPTION	PRICE	UOM	EXT AMT
01	1	MISC	ABB GEAR	CONSISTING OF:	208,700.00	E	208,700.00
02	*			CONSISTING OF:			
03	1	MISC	MCC-1000		0.00	E	.00
04	1	MISC	MCC-2000		0.00	E	.00
05	12	MISC	30A/3P NF DISCONNECTS N12		0.00	E	.00
06	1	MISC	400A/3P NF DISCONNECT N12		0.00	E	.00
07	5	MISC	600A/3P NF DISCONNECTS 3R		0.00	E	.00
08	41	MISC	30A/3P NF DISCONNECTS 4X		0.00	E	.00
09	1	MISC	BUCKET FOR EXISTING MCC 200		0.00	E	.00
10	1	MISC	PANEL LP1000		0.00	E	.00
11	1	MISC	45KVA TRANSFORMER		0.00	E	.00
12	1	MISC	MSB-1		0.00	E	.00
13	*	*****					
14	1	MISC	3750KVA PADMOUNT TRANSFORMER		160,580.00	E	160,580.00
15	*	*****					
16	1	MISC	400KVAR CAPACITOR BANK		38,430.00	E	38,430.00
17	*	*****					
18	1	MISC	POWER SYSTEM STUDY/SERVICES		19,290.00	E	19,290.00

TOTAL: 417,000.00

PLEASE NOTE: THIS IS NOT AN OFFER TO CONTRACT, BUT MERELY A QUOTATION OF CURRENT PRICES FOR YOUR
 CONVENIENCE AND INFORMATION. ORDERS BASED ON THIS QUOTATION ARE SUBJECT TO YOUR ACCEPTANCE OF
 THE TERMS AND CONDITIONS LOCATED AT SALES.OUR-TERMS.COM, WHICH WE MAY CHANGE FROM TIME TO TIME
 WITHOUT PRIOR NOTICE. WE MAKE NO REPRESENTATION WITH RESPECT TO COMPLIANCE WITH JOB
 SPECIFICATIONS.

CEU/MOSEBACH - PITTSBURGH
 MOSEBACH ELECTRIC SUPPLY
 133 INDUSTRY DRIVE
 PITTSBURGH PA 15275
 TEL: 412 494-5000 FAX: 412 494-5100
 CONTACT: JASON HOFFMAN

QUOTE FOR: BRONDER TECHNICAL
 ACCT #: 39-10700 BRONDER TECHNICAL - HOUSE ACC

990 WEST OLD ROUTE 422
 PROSPECT, PA 16052
 TEL: (724) 306-1600

QUOTATION			PAGE
QUOTE #	DATE	REV #	REV DATE
1155208	04/14/2022	000	04/14/2022
QUOTE EXPIRES		PREPARED BY	
05/14/2022		JH	
SLS		INSL	
4098		2009	
FOB		FREIGHT	
SHIPPING POINT		PREPAID	

CUS PO #:

JOB NAME:
 CLAIRTON WWTP GEAR

LN	QTY	MFR	CATALOG #	DESCRIPTION	PRICE	UOM	EXT AMT
01	1	MISC	ABB GEAR	CONSISTING OF:	265,010.00	E	265,010.00
02	*		CONSISTING OF:				
03	1	MISC	MCC-1000		0.00	E	.00
04	1	MISC	MCC-2000		0.00	E	.00
06	12	MISC	30A/3P NF DISCONNECTS N12		0.00	E	.00
06	1	MISC	400A/3P NF DISCONNECT N12		0.00	E	.00
07	5	MISC	600A/3P NF DISCONNECTS 3R		0.00	E	.00
08	41	MISC	30A/3P NF DISCONNECTS 4X		0.00	E	.00
09	1	MISC	BUCKET FOR EXISTING MCC 200		0.00	E	.00
10	1	MISC	PANEL LP1000		0.00	E	.00
11	1	MISC	46KVA TRANSFORMER		0.00	E	.00
12	1	MISC	MSB-1		0.00	E	.00
13	*		*****				
14	1	MISC	3750KVA PADMOUNT TRANSFORMER		210,368.00	E	210,368.00
15	*		*****				
16	1	MISC	400KVAR CAPACITOR BANK		48,790.00	E	48,790.00
17	*		*****				
18	1	MISC	POWER SYSTEM STUDY/SERVICES		24,370.00	E	24,370.00

TOTAL: 548,538.00

PLEASE NOTE: THIS IS NOT AN OFFER TO CONTRACT, BUT MERELY A QUOTATION OF CURRENT PRICES FOR YOUR CONVENIENCE AND INFORMATION. ORDERS BASED ON THIS QUOTATION ARE SUBJECT TO YOUR ACCEPTANCE OF THE TERMS AND CONDITIONS LOCATED AT SALES.OUR-TERMS.COM, WHICH WE MAY CHANGE FROM TIME TO TIME WITHOUT PRIOR NOTICE. WE MAKE NO REPRESENTATION WITH RESPECT TO COMPLIANCE WITH JOB SPECIFICATIONS.

Date: Dec 7, 2021

Quote: PA21-69121-13

Quote

Page 1/2



Gormley Farrington Inc.
339 Old Haymaker Road, Suite 1103
Monroeville PA 15146
Phone: (412) 856-5740
Fax: (412) 856-5762
From: Andy Andoga
Quoter Ph:
Email: aandoga@gormley-farrington.com

Project Clairton Municipal Authority -
Wastewater Treatment Plant Upgrade
Phase 2

Location
Quote PA21-69121-13

To: Chuck Berner
Bronder Technical Services
990 West Old Rte 422
Prospect PA 16052
Phone: (724) 306-1600
Fax: (724) 306-1607
Email: cberner@bronderts.com

For
Bid Date Dec 7 2021
Expires Jan 7, 2022
Engineer: KLH Engineering

QTY	Type	MFG	Part
48	A	SYLVANIA	VAPOR2B/040UNVD40/48EC/GR
4	A	SYLVANIA	VAPOR2B/040UNVD40/48EC/GR/E
23	B	SYLVANIA	VAPOR2B/025UNVD40/24EC/GR
10	C1	DIALIGHT	ALU5BC27NNWNGN
10	C1	DIALIGHT	HZXJB075PC1
55	C2	DIALIGHT	ALU5BC27NNWNGN
55	C2	DIALIGHT	HZXJB075PC1
55	C2	DIALIGHT	HZXSTAN200T
55	C2	SWIVELPOLE	ST6-M1-3000-T-NCT-HG
55	C2	SWIVELPOLE	MBK9-002-HG
14	D	CREE LTG	SEC-EDG-2MB-WM-06-E-UL-BZ-350-F-P
7	EM	ABB	LCACR2SQLEDRID
7	EM	ABB	ELF612/LED
2	F	DECO/PQL	D207-LED3050UHKBZB2T
3	G	CREE LTG	FLD-OL-40-D4-07-E-UL-BZ-525
19	H	DECO/PQL	D824-LED15050UNVLPT5BZ
19	H	DECO/PQL	D824-PM-BZ
17	POLE	WJM	SA5000725-BZ-DM10-BC
1	POLE2	WJM	SA5000725-BZ-DM290-BC
3	J	SYLVANIA	LED9/PB/GX24Q/H/841/G2
9	K	SYLVANIA	UFOHIBA2A/100UNVD840/WH 62069
4	K	SYLVANIA	EMBB/UFO/40WDC

Total:

\$179,000.00

Notes:

Swivel pole for type C2 requires special plate for mounting to end of walk grid and will not be mounted to the rails.
Pole to be bolted to mounting plate

Light Alarms is plus freight

Mfg Terms:

Freight
Allowance
Andy Andoga

Minimum
Order

Page 1/2

Date: Dec 7, 2021

Quote: PA21-69121-13

Quote

Page 2/2



Gormley Farrington Inc.
339 Old Haymaker Road, Suite 1103
Monroeville PA 15146
Phone: (412) 856-5740
Fax: (412) 856-5762
From: Andy Andoga
Quoter Ph:
Email: aandoga@gormley-farrington.com

Project Clairton Municipal Authority -
Wastewater Treatment Plant Upgrade
Phase 2

Location
Quote PA21-69121-13

Mfg Terms:	Freight Allowance	Minimum Order
CREE L CREE LIGHTING Freight allowed: \$3000.	Freight Allowed	
DECO/ Deco Lighting	Freight Allowed	\$100.00
DIALIG Dialight	Freight Allowed	\$500.00
ABB Lightalarms Freight Allowed: \$1,000.00 Minimum: \$35.00	Plus Freight	\$35.00
SWIVE Swivelpole	Plus Freight	
SYLVA Ledvance/Sylvania	Freight Allowed	
WJM WJM	Freight Allowed	

Date: Apr 14, 2022

Quote: PA21-69121-13

Quote

Page 1/2



Gormley Farrington Inc.
339 Old Haymaker Road, Suite 1103
Monroeville PA 15146
Phone: (412) 856-5740
Fax: (412) 856-5762
From: Andy Andoga
Quoter Ph:
Email: aandoga@gormley-farrington.com

Project **Clairton Municipal Authority -
Wastewater Treatment Plant Upgrade
Phase 2**

Location
Quote **PA21-69121-13**

To: **Chuck Berner**
Bronder Technical Services
990 West Old Rte 422
Prospect PA 16052
Phone: (724) 306-1600
Fax: (724) 306-1607
EMail: cberner@bronderts.com

For
Bid Date Apr 14, 2022
Expires May 1, 2022
Engineer: KLH Engineering

QTY	Type	MFG	Part
48	A	SYLVANIA	VAPOR2B/040UNVD40/48EC/GR
4	A	SYLVANIA	VAPOR2B/040UNVD40/48EC/GR/E
23	B	SYLVANIA	VAPOR2B/025UNVD40/24EC/GR
10	C1	DIALIGHT	ALU5BC27NNWNGN
10	C1	DIALIGHT	HZXJB075PC1
55	C2	DIALIGHT	ALU5BC27NNWNGN
55	C2	DIALIGHT	HZXJB075PC1
55	C2	DIALIGHT	HZXSTAN200T
55	C2	SWIVELPOLE	ST6-M1-3000-T-NCT-HG
55	C2	SWIVELPOLE	MBK9-002-HG
14	D	CREE LTG	SEC-EDG-2MB-WM-06-E-UL-BZ-350-F-P
7	EM	ABB	LCACR2SQLEDRI0
7	EM	ABB	ELF612/LED
2	F	DECO/PQL	D207-LED3050UHKBZB2T
3	G	CREE LTG	FLD-OL-40-D4-07-E-UL-BZ-525
19	H	DECO/PQL	D824-LED15050UNVLPT5BZ
19	H	DECO/PQL	D824-PM-BZ
17	POLE	WJM	SA5000725-BZ-DM10-BC
1	POLE2	WJM	SA5000725-BZ-DM290-BC
3	J	SYLVANIA	LED9/PB/GX24Q/H/841/G2
9	K	SYLVANIA	UFOHIBA2A/100UNVD840/WH 62069
4	K	SYLVANIA	EMBB/UFO/40WDC

Total:

\$199,500.00

Notes:

Swivel pole for type C2 requires special plate for mounting to end of walk grid and will not be mounted to the rails.
Pole to be bolted to mounting plate

Light Alarms is plus freight

Mfg Terms:

Freight
Allowance
Andy Andoga

Minimum
Order

Page 1/2

Date: Apr 14, 2022

Quote: PA21-69121-13

Quote

Page 2/2



Gormley Farrington Inc.
339 Old Haymaker Road, Suite 1103
Monroeville PA 15146
Phone: (412) 856-5740
Fax: (412) 856-5762
From: Andy Andoga
Quoter Ph:
Email: aandoga@gormley-farrington.com

Project Clairton Municipal Authority -
Wastewater Treatment Plant Upgrade
Phase 2

Location
Quote PA21-69121-13

Mfg Terms:	Freight Allowance	Minimum Order
CREE L CREE LIGHTING Freight allowed: \$3000.	Freight Allowed	
DECO/ Deco Lighting	Freight Allowed	\$100.00
DIALIG Dialight	Freight Allowed	\$500.00
ABB Lightalarms Freight Allowed: \$1,000.00 Minimum: \$35.00	Plus Freight	\$35.00
SWIVE Swivelpole	Plus Freight	
SYLVA Ledvance/Sylvania	Freight Allowed	
WJM WJM	Freight Allowed	

C-5127 Clinton WWTP
Excavation Analysis
8/31/2022

Item	Cost at Bid Time	Cost as of 8/31/22	Original Difference
Switchgear	\$ 208,700.00	\$ 265,010.00	\$ 56,310.00
Oil Type Transformer	\$ 150,580.00	\$ 210,368.00	\$ 59,788.00
Capacitor Bank	\$ 38,430.00	\$ 48,750.00	\$ 10,320.00
ABB Power System Study / Services	\$ 18,290.00	\$ 24,370.00	\$ 5,080.00
Mitsubishi Electric Quotations for ABB Gear Package	\$ 417,000.00	ABB Gear Quote Page 1 \$ 548,538.00	ABB Gear Quote Page 2 \$ 131,538.00
VFD	\$ 572,000.00	Quincy Electrical Systems VFD Quote Pages 1-3 \$ 602,000.00	Quincy Electrical Systems VFD Quote Pages 1-6 \$ 30,000.00
Metric Connectors	\$ 47,085.00	MELLO MATHIE Connectors Quote Pages 2-2 \$ 60,857.00	MELLO MATHIE Connectors Quote Pages 3-4 \$ 13,772.00
Lighting	\$ 179,000.00	Gornley-Farrington Lighting Quote Pages 1-2 \$ 199,500.00	Gornley-Farrington Lighting Quote Pages 3-4 \$ 20,500.00
Totals	\$ 1,215,085.00	\$ 1,410,855.00	\$ 195,770.00
		Subtotal	\$ 195,770.00
		B&O Tax 1.2%	\$ 2,349.72
		Subtotal	\$ 198,119.72
		Bond 2.5%	\$ 4,953.99
		Total	\$ 203,113.71

APPLICATION AND CERTIFICATE FOR PAYMENT

Invoice #: 479-5

To Owner: Clairton Municipal Authority
1 North State Street
Clairton, PA 15025

Project: 479- Clairton Wastewater Upgrades
Phase 2

Application No.: 5

Distribution to:

Owner ☐ Architect ☐ Contractor ☐

Period To: 10/31/2022

From Contractor: Wayne Crouse, Inc.
3370 Stafford Street
Pittsburgh, PA 15204

Via Architect: KLH Engineers

Project Nos: 2019-01

Contract For: Clairton WWTP Upgrades Phase 2

Contract Date:

CONTRACTOR'S APPLICATION FOR PAYMENT

Application is made for payment, as shown below, in connection with the Contract.
Continuation Sheet is attached.

1. Original Contract Sum	\$28,494,000.00
2. Net Change By Change Order	\$174,920.00
3. Contract Sum To Date	\$28,668,920.00
4. Total Completed and Stored To Date	\$3,933,899.25
5. Retainage:	
a. 10.00% of Completed Work	\$393,389.93
b. 0.00% of Stored Material	\$0.00
Total Retainage	\$393,389.93
6. Total Earned Less Retainage	\$3,540,509.32
7. Less Previous Certificates For Payments	\$2,953,260.04
8. Current Payment Due	\$587,249.28
9. Balance To Finish, Plus Retainage	\$25,128,410.68

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information, and belief, the work covered by this Application for Payment has been completed in accordance with the Contract Documents. That all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

CONTRACTOR: Wayne Crouse, Inc.

By: *Anthony Marino* Date: 10/25/2022

Anthony Marino, Treasurer

State of: Pennsylvania

County of: Allegheny

Subscribed and sworn to before me this

Notary Public: Lynne K. Baran

My Commission expires June 20, 2025

Commission Expires: June 20, 2025

Commission number: 1006429

ARCHITECT'S CERTIFICATE FOR PAYMENT

In accordance with the Contract Documents, based on on-site observations and the data comprising the above application, the Architect certifies to the Owner that to the best of the Architect's knowledge, information, and belief, the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED \$ 587,249.28

(Attach explanation if amount certified differs from the amount applied. Initial all figures on this Application and on the Continuation Sheet that are changed to conform with the amount certified.)

ARCHITECT

By: *John D.* Date: 11-09-2022

This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the Contractor named herein. Issuance, payment, and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.

CHANGE ORDER SUMMARY	Additions	Deductions
Total changes approved in previous months by Owner	\$174,920.00	\$0.00
Total Approved this Month	\$0.00	\$0.00
TOTALS	\$174,920.00	\$0.00
Net Changes By Change Order	\$174,920.00	

CONTINUATION SHEET

Application and Certification for Payment, containing

Contractor's signed certification is attached.

In tabulations below, amounts are stated to the nearest dollar.

Use Column I on Contracts where variable retainage for line items may apply.

Application No.: 5

Application Date: 10/20/22

To: 10/31/22

Architect's Project No.: 2019-01

Invoice #: 479-5 Contract: 479- Clairton Wastewater Upgrades Phase 2

A Item No.	B Description of Work	C Scheduled Value	D Work Completed		F Materials Presently Stored (Not in D or E)	G Total Completed and Stored To Date (D+E+F)	H Balance To Finish (C-G)	I Retainage
			From Previous Application (D+E)	This Period In Place				
5	Mobilization - WCI	330,000.00	99,000.00	33,000.00	0.00	132,000.00	198,000.00	13,200.00
10	Mobilization - Paliotta	183,750.00	73,500.00	18,375.00	0.00	91,875.00	91,875.00	9,187.50
15	Bond	183,175.00	183,175.00	0.00	0.00	183,175.00	0.00	18,317.50
20	Insurance	39,270.00	39,270.00	0.00	0.00	39,270.00	0.00	3,927.00
25	Field Offices	75,000.00	18,750.00	3,750.00	0.00	22,500.00	52,500.00	2,250.00
30	Supervision	300,000.00	60,000.00	0.00	0.00	60,000.00	240,000.00	6,000.00
35	Scheduling	20,000.00	2,000.00	1,000.00	0.00	3,000.00	17,000.00	300.00
40	Photos	21,800.00	7,630.00	0.00	0.00	7,630.00	14,170.00	763.00
45	Temporary Toilets	15,600.00	1,560.00	312.00	0.00	1,872.00	13,728.00	187.20
50	Storage Building	35,840.00	0.00	0.00	0.00	0.00	35,840.00	0.00
55	As-Builts/O&M's	10,000.00	0.00	0.00	0.00	0.00	10,000.00	0.00
60	Demobilization	15,000.00	0.00	0.00	0.00	0.00	15,000.00	0.00
65	SHOP DRAWINGS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70	Sludge Holding Tank Dewatering Pumps	10,000.00	10,000.00	0.00	0.00	10,000.00	0.00	1,000.00
75	Chem Feed Pump Skids	7,500.00	0.00	0.00	0.00	0.00	7,500.00	0.00
80	Clarifier Equipment	123,300.00	123,300.00	0.00	0.00	123,300.00	0.00	12,330.00
85	Hyperbolic Mixers	74,000.00	0.00	0.00	0.00	0.00	74,000.00	0.00
90	Chemical Storage Tanks	24,900.00	24,900.00	0.00	0.00	24,900.00	0.00	2,490.00
95	Membrane Bioreactor Equipment (MMBR)	239,800.00	59,950.00	59,950.00	0.00	119,900.00	119,900.00	11,990.00
100	Membrane Units	256,500.00	0.00	0.00	0.00	0.00	256,500.00	0.00
105	Cranes and Hoists	96,500.00	0.00	0.00	0.00	0.00	96,500.00	0.00
110	FRP Troughs, Weirs, & Baffles	63,600.00	63,600.00	0.00	0.00	63,600.00	0.00	6,360.00
115	Miscellaneous Shop Drawings	30,000.00	12,000.00	1,500.00	0.00	13,500.00	16,500.00	1,350.00
120	SITE WORK	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	Surveying	99,750.00	19,950.00	0.00	0.00	19,950.00	79,800.00	1,995.00
130	Clearing & Grubbing	12,600.00	12,600.00	0.00	0.00	12,600.00	0.00	1,260.00
135	Topsoil & Site Grading	68,250.00	0.00	0.00	0.00	0.00	68,250.00	0.00
140	Aggregate Walkways	36,750.00	0.00	0.00	0.00	0.00	36,750.00	0.00
145	Concrete Sidewalks	47,250.00	0.00	0.00	0.00	0.00	47,250.00	0.00
150	Pipe Excavation & Backfill	210,000.00	0.00	0.00	0.00	0.00	210,000.00	0.00
155	Filter Socks and Inlet Bags	15,750.00	14,175.00	0.00	0.00	14,175.00	1,575.00	1,417.50
160	Shoring	131,250.00	118,125.00	0.00	0.00	118,125.00	13,125.00	11,812.50

CONTINUATION SHEET

Page 3 of 6

Application and Certification for Payment, containing

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In tabulations below, amounts are stated to the nearest dollar.

Use Column I on Contracts where variable retainage for line items may apply.

Application No. : 5

Application Date : 10/20/22

To: 10/31/22

Architect's Project No.: 2019-01

Invoice #: 479-5 Contract : 479- Clairton Wastewater Upgrades Phase 2

A Item No.	B Description of Work	C Scheduled Value	D Work Completed From Previous Application (D+E)	E This Period In Place	F Materials Presently Stored (Not in D or E)	G Total Completed and Stored To Date (D+E+F)	% (G / C)	H Balance To Finish (C-G)	I Retainage
165	Bulk Excavation & Stone Base	105,000.00	15,750.00	21,000.00	0.00	36,750.00	35.00%	68,250.00	3,675.00
170	Backfill Around Concrete Structures	113,400.00	0.00	5,670.00	0.00	5,670.00	5.00%	107,730.00	567.00
175	Stone Base For Asphalt	52,500.00	0.00	0.00	0.00	0.00	0.00%	52,500.00	0.00
180	Paving	148,500.00	0.00	0.00	0.00	0.00	0.00%	148,500.00	0.00
185	Seeding	15,750.00	0.00	0.00	0.00	0.00	0.00%	15,750.00	0.00
190	Fencing	10,600.00	0.00	0.00	0.00	0.00	0.00%	10,600.00	0.00
195	Concrete Demolition & Saw Cutting	472,500.00	23,625.00	23,625.00	0.00	47,250.00	10.00%	425,250.00	4,725.00
200	Handrail Removal	26,250.00	1,312.50	0.00	0.00	1,312.50	5.00%	24,937.50	131.25
205	Grating removal	26,250.00	0.00	0.00	0.00	0.00	0.00%	26,250.00	0.00
210	Mechanical Demolition	150,100.00	30,020.00	0.00	0.00	30,020.00	20.00%	120,080.00	3,002.00
215	Temporary Pumping	29,300.00	0.00	0.00	0.00	0.00	0.00%	29,300.00	0.00
220	Storm Sewer & Inlets	47,250.00	0.00	0.00	0.00	0.00	0.00%	47,250.00	0.00
225	Manholes	65,300.00	0.00	0.00	0.00	0.00	0.00%	65,300.00	0.00
230	Drains	72,500.00	0.00	0.00	0.00	0.00	0.00%	72,500.00	0.00
235	Waste Activated Sludge	9,530.00	0.00	0.00	0.00	0.00	0.00%	9,530.00	0.00
240	Effluent Water	11,580.00	0.00	0.00	0.00	0.00	0.00%	11,580.00	0.00
245	Plant Effluent	131,390.00	65,695.00	0.00	0.00	65,695.00	50.00%	65,695.00	6,569.50
250	Clarifier Effluent	230,020.00	103,509.00	0.00	0.00	103,509.00	45.00%	126,511.00	10,350.90
255	Future	41,265.00	18,569.25	0.00	0.00	18,569.25	45.00%	22,695.75	1,856.93
260	Headworks Drain	4,680.00	0.00	0.00	0.00	0.00	0.00%	4,680.00	0.00
265	CCT Discharge	105,310.00	33,699.20	0.00	0.00	33,699.20	32.00%	71,610.80	3,369.92
270	CONCRETE	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00
275	MBR Tanks	1,575,000.00	0.00	0.00	0.00	0.00	0.00%	1,575,000.00	0.00
280	MBR Splitter Box	194,250.00	0.00	0.00	0.00	0.00	0.00%	194,250.00	0.00
285	Vault 1	52,500.00	0.00	0.00	0.00	0.00	0.00%	52,500.00	0.00
290	Vault 2	94,500.00	0.00	0.00	0.00	0.00	0.00%	94,500.00	0.00
295	Vault 3	94,500.00	0.00	0.00	0.00	0.00	0.00%	94,500.00	0.00
300	Vault 4	52,500.00	0.00	0.00	0.00	0.00	0.00%	52,500.00	0.00
305	Waste Sludge Vault	42,000.00	0.00	37,800.00	0.00	37,800.00	90.00%	4,200.00	3,780.00
310	Equipment Pads	52,500.00	0.00	0.00	0.00	0.00	0.00%	52,500.00	0.00
315	Blower Pad & Footings	147,000.00	0.00	0.00	0.00	0.00	0.00%	147,000.00	0.00
320	Effluent Water Storage Tank	435,750.00	0.00	0.00	0.00	0.00	0.00%	435,750.00	0.00

CONTINUATION SHEET

Page 4 of 6

Application and Certification for Payment, containing

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Use Column I on Contracts where variable retainage for line items may apply.

Application No. : 5

Application Date : 10/20/22

To: 10/31/22

Architect's Project No.: 2019-01

Invoice #: 479-5 Contract: 479- Clairton Wastewater Upgrades Phase 2

A Item No.	B Description of Work	C Scheduled Value	D Work Completed		F Materials Presently Stored (Not in D or E)	G Total Completed and Stored To Date (D+E+F)	H Balance To Finish (C-G)	I Retainage
			From Previous Application (D+E)	This Period In Place				
325	Effluent Water Cascade	378,000.00	37,800.00	189,000.00	0.00	226,800.00	151,200.00	22,680.00
330	Clarifier Splitter Box	155,400.00	0.00	0.00	0.00	0.00	155,400.00	0.00
335	Headworks Building Curb	23,100.00	0.00	0.00	0.00	0.00	23,100.00	0.00
340	Chlorine Tank Additions	288,750.00	0.00	0.00	0.00	0.00	288,750.00	0.00
345	Rebar Procurement	567,000.00	260,820.00	158,760.00	0.00	419,580.00	147,420.00	41,958.00
350	Rebar Installation	630,000.00	0.00	18,900.00	0.00	18,900.00	611,100.00	1,890.00
355	Mechanical Splicers And Drilled Dowels	52,500.00	0.00	0.00	0.00	0.00	52,500.00	0.00
360	Masonry	20,050.00	0.00	0.00	0.00	0.00	20,050.00	0.00
365	Metal Building	53,200.00	0.00	0.00	0.00	0.00	53,200.00	0.00
370	Miscellaneous Metals	678,250.00	0.00	0.00	0.00	0.00	678,250.00	0.00
375	Doors	18,300.00	0.00	0.00	0.00	0.00	18,300.00	0.00
380	Garage Door	14,150.00	0.00	0.00	0.00	0.00	14,150.00	0.00
385	Painting	372,420.00	0.00	59,587.20	0.00	59,587.20	312,832.80	5,958.72
390	EQUIPMENT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
395	SH Tank Dewatering Pumps - Material	110,000.00	0.00	0.00	0.00	0.00	110,000.00	0.00
400	SH Tank Dewatering Pumps - Installation	12,875.00	0.00	0.00	0.00	0.00	12,875.00	0.00
405	Chemical Feed Pump Skids - Material	106,800.00	0.00	0.00	0.00	0.00	106,800.00	0.00
410	Chemical Feed Pump Skids - Installation	6,700.00	0.00	0.00	0.00	0.00	6,700.00	0.00
415	Clarifiers - Material	151,000.00	0.00	0.00	0.00	0.00	151,000.00	0.00
420	Clarifier - FRP Weirs & Baffles - Material	225,400.00	0.00	0.00	0.00	0.00	225,400.00	0.00
425	Clarifier - Installation Complete	344,900.00	0.00	0.00	0.00	0.00	344,900.00	0.00
430	Hyperbolic Mixers - Material	261,000.00	0.00	0.00	0.00	0.00	261,000.00	0.00
435	Hyperbolic Mixers - Installation	33,750.00	0.00	0.00	0.00	0.00	33,750.00	0.00
440	Chemical Storage Tanks - Material	224,100.00	0.00	0.00	0.00	0.00	224,100.00	0.00
445	Chemical Storage Tanks - Installation	60,530.00	0.00	0.00	0.00	0.00	60,530.00	0.00
450	MEMBRANE BIOREACTOR EQUIPMENT (MMBR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
455	Process And System Design	730,275.00	730,275.00	0.00	0.00	730,275.00	0.00	73,027.50
460	Procurement	60,400.00	0.00	12,080.00	0.00	12,080.00	48,320.00	1,208.00
465	IOM Manuals	52,200.00	0.00	0.00	0.00	0.00	52,200.00	0.00
470	Control System Programming	55,000.00	0.00	0.00	0.00	0.00	55,000.00	0.00

CONTINUATION SHEET

Application and Certification for Payment, containing

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Use Column I on Contracts where variable retainage for line items may apply.

Application No. : 5

Application Date : 10/20/22

To: 10/31/22

Architect's Project No.: 2019-01

Invoice #: 479-5 Contract: 479- Clairton Wastewater Upgrades Phase 2

A Item No.	B Description of Work	C Scheduled Value	D Work Completed		F Materials Presently Stored (Not in D or E)	G Total Completed and Stored To Date (D+E+F)	% (G / C)	H Balance To Finish (C-G)	I Retainage
			From Previous Application (D+E)	This Period In Place					
475	Installation QC, Mech Check & Training	52,000.00	0.00	0.00	0.00	0.00	0.00%	52,000.00	0.00
480	Startup	140,000.00	0.00	0.00	0.00	0.00	0.00%	140,000.00	0.00
485	MMBR Equipment	3,664,085.00	0.00	0.00	0.00	0.00	0.00%	3,664,085.00	0.00
490	Membrane System (WTA) Order Placement	697,900.00	453,635.00	0.00	0.00	453,635.00	65.00%	244,265.00	45,363.50
495	Membranes	3,275,600.00	0.00	0.00	0.00	0.00	0.00%	3,275,600.00	0.00
500	MBR System - Installation	948,600.00	0.00	0.00	0.00	0.00	0.00%	948,600.00	0.00
505	Composite Sampler	11,200.00	0.00	0.00	0.00	0.00	0.00%	11,200.00	0.00
510	Cranes And Hoists	253,500.00	0.00	0.00	0.00	0.00	0.00%	253,500.00	0.00
515	Sluice & Slide Gates - Material	163,800.00	0.00	8,190.00	0.00	8,190.00	5.00%	155,610.00	819.00
520	Sluice & Slide Gates - Installation	63,540.00	0.00	0.00	0.00	0.00	0.00%	63,540.00	0.00
525	INTERIOR PIPING	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00
530	HEADWORKS BUILDING	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00
535	Grit	3,610.00	3,610.00	0.00	0.00	3,610.00	100.00%	0.00	361.00
540	Drains	19,980.00	17,982.00	0.00	0.00	17,982.00	90.00%	1,998.00	1,798.20
545	Sodium Hydroxide	7,755.00	0.00	0.00	0.00	0.00	0.00%	7,755.00	0.00
550	MBR	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00
555	Drains	31,970.00	0.00	0.00	0.00	0.00	0.00%	31,970.00	0.00
560	Influent	944,180.00	0.00	0.00	0.00	0.00	0.00%	944,180.00	0.00
565	Return Activated Sludge	1,087,015.00	478,286.60	0.00	0.00	478,286.60	44.00%	608,728.40	47,828.66
570	Waste Activated Sludge	126,960.00	0.00	0.00	0.00	0.00	0.00%	126,960.00	0.00
575	Future Influent	58,290.00	0.00	0.00	0.00	0.00	0.00%	58,290.00	0.00
580	Sludge Relocation	6,520.00	0.00	0.00	0.00	0.00	0.00%	6,520.00	0.00
585	Effluent Water Relocation	2,230.00	0.00	0.00	0.00	0.00	0.00%	2,230.00	0.00
590	Blower Air	808,280.00	32,331.20	0.00	0.00	32,331.20	4.00%	775,948.80	3,233.12
595	Permeate	911,970.00	0.00	0.00	0.00	0.00	0.00%	911,970.00	0.00
600	Sump Discharge	6,060.00	0.00	0.00	0.00	0.00	0.00%	6,060.00	0.00
605	Air Exhaust	5,700.00	0.00	0.00	0.00	0.00	0.00%	5,700.00	0.00
610	Effluent Water	15,130.00	0.00	0.00	0.00	0.00	0.00%	15,130.00	0.00
615	Citric Acid System	22,600.00	0.00	0.00	0.00	0.00	0.00%	22,600.00	0.00
620	Sodium Hypochlorite	22,450.00	0.00	0.00	0.00	0.00	0.00%	22,450.00	0.00
625	Potable Water	4,150.00	0.00	0.00	0.00	0.00	0.00%	4,150.00	0.00
630	EFFLUENT WATER STORAGE TANK	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00

CONTINUATION SHEET

Page 6 of 6

Application and Certification for Payment, containing

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Application No. : 5

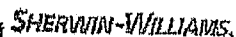
Application Date : 10/20/22

To: 10/31/22

Architect's Project No.: 2019-01

Invoice #: 479-5 Contract: 479- Clairton Wastewater Upgrades Phase 2

A Item No.	B Description of Work	C Scheduled Value	D Work Completed		F Materials Presently Stored (Not in D or E)	G Total Completed and Stored To Date (D+E+F)	H Balance To Finish (C-G)	I Retainage
			From Previous Application (D+E)	This Period In Place				
635	Drains	24,580.00	0.00	0.00	0.00	0.00	24,580.00	0.00
640	Permeate	325,320.00	0.00	0.00	0.00	0.00	325,320.00	0.00
645	Effluent Sample Piping	21,850.00	0.00	0.00	0.00	0.00	21,850.00	0.00
650	Sample Piping	3,875.00	0.00	0.00	0.00	0.00	3,875.00	0.00
655	CLARIFIERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
660	Drains	21,410.00	0.00	0.00	0.00	0.00	21,410.00	0.00
665	Blower Air	123,880.00	0.00	0.00	0.00	0.00	123,880.00	0.00
670	Sump Discharge	3,770.00	0.00	0.00	0.00	0.00	3,770.00	0.00
675	Effluent Water	269,290.00	0.00	0.00	0.00	0.00	269,290.00	0.00
680	Sodium Hypochlorite	4,290.00	0.00	0.00	0.00	0.00	4,290.00	0.00
685	Potable Water	3,050.00	0.00	0.00	0.00	0.00	3,050.00	0.00
690	Influent	671,090.00	13,421.80	0.00	0.00	13,421.80	657,668.20	1,342.18
695	Drain Pumps S&D	75,610.00	0.00	0.00	0.00	0.00	75,610.00	0.00
700	Sodium Bisulfite	10,770.00	0.00	0.00	0.00	0.00	10,770.00	0.00
705	CHLORINE CONTACT TANK	0.00	0.00	0.00	0.00	0.00	0.00	0.00
710	Drains	22,450.00	0.00	0.00	0.00	0.00	22,450.00	0.00
715	Effluent	53,460.00	0.00	0.00	0.00	0.00	53,460.00	0.00
720	MISCELLANEOUS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
725	HVAC	206,570.00	10,328.50	0.00	0.00	10,328.50	196,241.50	1,032.85
730	Allowance	225,000.00	7,245.00	0.00	0.00	7,245.00	217,755.00	724.50
740	CO 1 Escalation	174,920.00	0.00	0.00	0.00	0.00	174,920.00	0.00
Grand Totals		28,668,920.00	3,281,400.05	652,499.20	0.00	3,933,899.25	24,735,020.75	393,389.93



Page: 1 of 1

SHIP-TO: REAL PAINTING - SHOP
11099 ROUTE 993
CALL EXT 412-507-5291
JANU 1983 15542

EMPLOYEE: BAZONE, ROB
STATUS: IN PROGRESS
CONTACT: AL LYNCH
PHONE: (413) 624-4605
DELIVERY: YES
INSTALL: NO
DEMONSTRATION: NO
COST ORDER JOB:

SALES #	SIZE	PRODUCT / KEG NBR	DESCRIPTION	QTY	EXTENDED		STATUS	S-N	SALES
				ORDERED	PRICE	PRICE		PURCHASE ORDER	TERM/TRAN
6202-06813	3KT	B5BW03100	CBN100 OFFWHT 3G	20.00	350.10	7002.00			
1014-44230	4KT	162AU0480	DRPLT8200 GRV 4G	35.00	560.00	19000.00			
6505-15430	5 GAL	B42W00150	PIHD BLOCKERLLR	210.00	25.30	5313.00			
6182-51430		B58A320	RESUFACER	40.00	140.30	5612.00			
1362-81625	5 GAL	B58W00610	MARCO	56.00	318.75	17850.00			

SUB TOTAL	55,377.00
SHIPPING	2000.00
ORDER TOTAL	57,377.00

AIA Type Document

Application and Certification for Payment

Page 1 of 3

TO (OWNER): CLAIRTON MUNICIPAL AUTHORITY
1 NORTH STATE STREET
CLAIRTON, PA 15025

PROJECT: CLAIRTON WWTP UPGRADE PH 2
C-5127

Invoice 5127-22033

APPLICATION NO: 3
PERIOD TO: 10/31/2022
DISTRIBUTION TO:
- OWNER
- ARCHITECT
- CONTRACTOR

FROM (CONTRACTOR): Brondor Technical Services
990 W. Old Route 422
Prospect, PA 18052

VIA (ARCHITECT):
ARCHITECT'S PROJECT NO:

CONTRACT FOR:

CONTRACT DATE:

CONTRACTOR'S APPLICATION FOR PAYMENT

Application is made for Payment, as shown below, in connection with the Contract.
Continuation Sheet. AIA Type Document is attached.

The Undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the work covered by this application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were issued and payments received from the owner, and that current payment shown herein is now due.

1. ORIGINAL CONTRACT SUM \$ 4,154,555.00
2. Net Change by Change Orders \$ 0.00
3. CONTRACT SUM TO DATE (Line 1 + 2) \$ 4,154,555.00
4. TOTAL COMPLETED AND STORED TO DATE \$ 265,560.00

5. RETAINAGE:

a. 10.00 % of Completed Work \$ 26,560.00
b. 0.00 % of Stored Material \$ 0.00
Total retainage (Line 5a + 5b) \$ 26,560.00

6. TOTAL EARNED LESS RETAINAGE \$ 239,040.00
(Line 4 less Line 5 Total)

7. LESS PREVIOUS CERTIFICATES FOR PAYMENT
(Line 6 from prior Certificate) \$ 230,040.00

8. CURRENT PAYMENT DUE \$ 9,000.00

9. BALANCE TO FINISH, INCLUDING RETAINAGE
(Line 3 less Line 6) \$ 3,915,515.00

CHANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS
Total changes approved in previous months by Owner	0.00	0.00
Total approved this Month	0.00	0.00
TOTALS	0.00	0.00
NET CHANGES by Change Order	0.00	

CONTRACTOR: Brondor Technical Services
990 W. Old Route 422 Prospect, PA 18052

By:  Frederick S. McMillen / Director Operations
State of: PA
County of: BUTLER
Subscribed and Sworn to before me this 1st Day of November 20 22
Notary Public: Melissa A. Wynkoop
My Commission Expires: 9-22-2023
MY commission expires September 22, 2023
Butler County

ARCHITECT'S CERTIFICATE FOR PAYMENT
In Accordance with the Contract Documents, based on on-site observations and the data comprising the above application, the Architect certifies to owner that to the best of the Architect's knowledge, information and belief the Work has progressed as indicated, the quality of the work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED \$ 9,000.00
(Attach explanation if amount certified differs from the amount applied. Initial all figures on this Application and on the Continuation Sheet that are changed to conform to the amount certified.)

ARCHITECT:  By: 
Date: 11/04/2022

This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the Contractor named herein. Issuance, Payment and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.

DISTRIBUTION
TO: **OWNER**
 ARCHITECT
 CONTRACTOR

ARCHITECT'S
PROJECT NO:

CONTRACT DATE:

[illegible]

AIA Type Document
Application and Certification for Payment

TO (OWNER): CLAIRTON MUNICIPAL AUTHORITY 1 NORTH STATE STREET CLAIRTON, PA 15025	PROJECT: CLAIRTON WWTP UPGRADE PH 2 C-5127	APPLICATION NO: 3 PERIOD TO: 10/31/2022	DISTRIBUTION TO: _ OWNER _ ARCHITECT _ CONTRACTOR
FROM (CONTRACTOR): Bronder Technical Services 990 W. Old Route 422 Prospect, PA 16052	VIA (ARCHITECT):	ARCHITECT'S PROJECT NO:	

CONTRACT FOR:										CONTRACT DATE:		
ITEM	DESCRIPTION	SCHEDULE VALUE	PREVIOUS APPLICATIONS	COMPLETED THIS PERIOD	STORED MATERIAL	COMPLETED STORED	%	BALANCE	RETAINAGE			
22	Disconnect Switches	105,000.00	0.00	0.00	0.00	0.00	0.00	105,000.00	0.00			
23	Metric Switches	50,000.00	0.00	0.00	0.00	0.00	0.00	50,000.00	0.00			
24	Transformer Pad	3,000.00	0.00	0.00	0.00	0.00	0.00	3,000.00	0.00			
25	Variable Freq. Drives	650,000.00	0.00	0.00	0.00	0.00	0.00	650,000.00	0.00			
26	PVC Conduit	159,530.00	0.00	6,000.00	0.00	6,000.00	3.76	153,530.00	600.00			
27	Aluminum Conduit	715,000.00	0.00	0.00	0.00	0.00	0.00	715,000.00	0.00			
28	Wire/Cable	750,000.00	0.00	0.00	0.00	0.00	0.00	750,000.00	0.00			
29	Equipment Racks	143,800.00	0.00	0.00	0.00	0.00	0.00	143,800.00	0.00			
30	Boxes	40,000.00	0.00	2,000.00	0.00	2,000.00	5.00	38,000.00	200.00			
31	Wiring Devices	14,505.00	0.00	0.00	0.00	0.00	0.00	14,505.00	0.00			
32	Lighting	250,000.00	0.00	0.00	0.00	0.00	0.00	250,000.00	0.00			
33	Heat Trace	16,000.00	0.00	0.00	0.00	0.00	0.00	16,000.00	0.00			
34	Instrumentation	130,000.00	0.00	0.00	0.00	0.00	0.00	130,000.00	0.00			
35	Control Panels	40,000.00	0.00	0.00	0.00	0.00	0.00	40,000.00	0.00			
36	Lighting Pole Foundations	45,000.00	0.00	0.00	0.00	0.00	0.00	45,000.00	0.00			
37	Conduit/ Cable Tags	30,000.00	0.00	0.00	0.00	0.00	0.00	30,000.00	0.00			
38	Equipment Connections	30,000.00	0.00	0.00	0.00	0.00	0.00	30,000.00	0.00			
39	Punch List	5,000.00	0.00	0.00	0.00	0.00	0.00	5,000.00	0.00			
REPORT TOTALS		\$4,154,555.00	\$255,600.00	\$10,000.00	\$0.00	\$265,600.00	6.39	\$3,888,955.00	\$26,560.00			

CAPITAL IMPROVEMENT FUND

REQUISITION NUMBER 379-B

Date: November 17, 2022

TO: Wells Fargo Bank, National Association, as Trustee (the "Trustee")

E-Mail: Rose.Anne.Camilo@wellsfargo.com
Peter.C.Hosfield@wellsfargo.com

-or-

Fax: 877-775-7570

FROM: Clairton Municipal Authority (the "Borrower")

Account No.: 48117303 (2012B CONSTRUCTION FUND)

Re: Draw from Construction Fund established under the Trust Indenture for the above-referenced bonds dated as of August, 2012 (the "Indenture")

The Authority hereby directs the Trustee to pay from the Authorities account within the Construction Fund established under the Indenture the following amount to the Payees listed below, and certifies that such obligations in the stated amount have been incurred by the Authority and that each item thereof is a proper part of the Cost of the Capital Addition and has not been paid; that there has not been filed with or served upon the Authority notice of any lien, right to lien or attachment upon, or claim affecting the right to receive payment of any of the moneys payable to any persons named in such requisition; that such requisition contains no items representing payment on account of any retained percentage which the Authority is on the date of such certificate entitled to retain; that neither the Authority nor any of its officers or members has received any discount, rebate, commission, fee, proceeds from insurance or other abatement which is not reflected on the requisition in connection with any such expenditures or indebtedness; and that no part of any such item has been included in any pervious requisition for the withdrawal of money from the Construction Fund.

Item Number	Payee (Name & Address):	Amount	Purpose of Obligation
1.	KLH Engineers, Inc. 5173 Campbells Run Road Pittsburgh, PA 15205	\$ 12,615.50	WWTP Phase II Upgrades/Construction Administration Invoice No. 71061
2.	KLH Engineers, Inc. 5173 Campbells Run Road Pittsburgh, PA 15205	\$ 14,156.00	WWTP Phase II Upgrades/Resident Observation Invoice No. 71062
3.	KLH Engineers, Inc. 5173 Campbells Run Road Pittsburgh, PA 15205	\$ 584.00	Phase II Oversight Committee

TOTAL \$ 27,355.50

November 17, 2022
Requisition No. 379-B

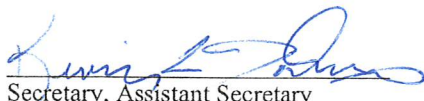
Account No.: 48117303 2012B CONSTRUCTION FUND

Re: Draw From Construction Fund established under the Trust Indenture for the above-referenced bonds dated as of August, 2012 (the "Indenture")

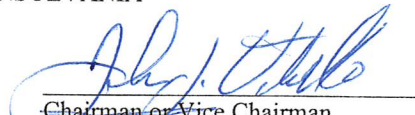
The Authority hereby directs the Trustee to pay from the Authorities account within the Construction Fund established under the Indenture the following amount to the Payees listed below, and certifies that such obligations in the stated amount have been incurred by the Authority and that each item thereof is a proper part of the Cost of the Capital Addition and has not been paid; that there has not been filed with or served upon the Authority notice of any lien, right to lien or attachment upon, or claim affecting the right to receive payment of any of the moneys payable to any persons named in such requisition; that such requisition contains no items representing payment on account of any retained percentage which the Authority is on date of such certificate entitled to retain; that neither the Authority nor any of its officers or members has received any discount, rebate, commission, fee, proceeds from insurance or other abatement which is not reflected on the requisition in connection with any such expenditures or indebtedness; and that no part of any such item has been included in any previous requisition for the withdrawal of money from the Construction Fund.

CLAIRTON MUNICIPAL AUTHORITY
ALLEGHENY COUNTY, PENNSYLVANIA

By


Secretary, Assistant Secretary

By


Chairman or Vice Chairman

A. CONSULTING ENGINEER'S CERTIFICATE

I, the undersigned, the duly appointed Consulting Engineer for the Clairton Municipal Authority, Allegheny County, Pennsylvania (the "Authority") hereby certify the following:

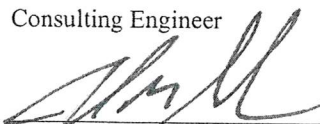
- (a) I hereby approve the foregoing attached requisition of the Authority;
- (b) The obligation listed to be paid on such requisition was properly incurred;
- (c) The amount requisitioned is due and unpaid;
- (d) Insofar as the payment is to be made for work, material, supplies, or equipment, the work has been performed and the material, supplies or equipment have been installed in the project or have been delivered either at the project site or at a proper place for fabrication, and are covered by the Builders' Risk Insurance; and
- (e) All work, material, supplies and equipment for which payment is to be made are, in the opinion of the undersigned, in accordance with the plans and specifications.

IN WITNESS WHEREOF, I hereunto set my hand hereto this 17th day of November, 2022.



KLH ENGINEERS, INC.

Consulting Engineer


Joseph M. Gianvito, P.E.