



**TECHNICAL COMMITTEE MEETING MINUTES**  
**Wednesday, July 13, 2022**  
**4:30PM**

**Via VIDEO/TELECONFERENCE**

**Attendees:**

Merritt Nesin	Chairman, Technical Committee
Edward Kelly	Committee Member
Steve Bagwin	Committee Member
William Brink, PE	Executive Director, WPCA
Ann Brown, P.E.	Supervising Engineer, WPCA
Robert Pudelka	Plant Supervisor, WPCA
B. Teitlebaum	Public
N. Tamburro	Public

**1. Call to Order and Roll Call**

M. Nesin called the meeting to order at 4:30PM and announced the attendees as listed above.

**2. Approval of June 15, 2022 Meeting Minutes**

E. Kelly made a motion to approve the minutes of the June 15, 2022 Technical Committee Meeting; seconded by S. Bagwin. Motion carried 3-0-0.

**3. Public Comments**

None

**4. Approval of Bid Waiver for Aquilla & Neptun, LLC for the Purchase of Two Electric Actuators and Stems For an Amount Not to Exceed \$53,921.60**

A. Brown presented a quote from Aquilla & Neptun in the amount of \$53,921.60 to purchase two electric actuators with 3" diameter stems and miscellaneous valve parts on Train 1. She explained that two years ago, WPCA purchased and replaced the same parts for the underflow gates at Train 2. We intended to replace the actuators and stems for Train 1 but were waiting until the construction ended. The actuators we put on Train 2 work very well. R. Pudelka indicated that the gates are very large and heavy and require a very high number of turns to open and close the valves. The electric actuators are much easier for the operators to use and the valves can be exercised more frequently. The original stems are 2" in diameter which was too small. They are replacing all with 3" diameter stems. M. Nesin asked how often the gates are exercised. R. Pudelka indicated quarterly. Replacing these actuators and stems would standardize the equipment for both gates. All committee members agreed and will recommend approval of a Bid Waiver for this item to the full board.

**5. Discussion on Plant Operations**

R. Pudelka provided a summary of plant operations for July 2022. He reviewed the Monthly Operating Report and Equipment Update with the Committee which is attached and made part of these minutes. He

indicated that the nitrogen removal was good, reported a reduced use of methanol and no UV exceedance in months.

## **6. Update on Engineering Studies and Designs**

A. Brown provided the committee with an update on engineering studies and designs which is attached and made part of these minutes. She stated that the Selection Committee for the Evaluation of the Alvord Lane, Commerce Rd and Saddle Rock Rd pump stations may visit the stations before interviewing the firms. This will be arranged next week. She is also preparing a RFQ for Architectural Services to prepare plans and specifications for a new small building to house the collection system staff.

- a. Infiltration & Inflow Removal Project
- b. Sludge Management Plan
- c. Engineering Design Services for Plant Water System and the RAS/WAS Pumping Systems
- d. RFQ for Evaluation of the Alvord Lane, Commerce Drive and Saddle Rock Pump Stations
- e. RFQ for the Design and Supply of a Standby Generator at Clay Hill Pump Station
- f. Perna Lane, Phase 1 Collection Sewers
- g. New Building for Collection System Staff (Bldg 6A)
- h. Structural Evaluation of the Columns in the Sludge Dewatering Building

## **7. Update on Construction Projects**

A. Brown provided the board with an update on construction projects which is attached and made part of these minutes. She indicated that the additional supports to the beams and walkway for the raw sewage pumps' shafts were installed. Recent vibration testing indicates that the motor-pump design is operating within specifications and shaft vibrations seem to have been reduced to within an acceptable range.

- a. Standby Generator for the Greenwich Ave. Pump Station
- b. Preliminary, Secondary and Disinfection Treatment Improvements
- c. Electrical Preventive Maintenance and Arc Flash Evaluation
- d. Sludge Degritting System Upgrade
- e. Lining 8" sanitary sewer on Long Ridge Road

## **8. Old Business**

E. Kelly requested a status of the proposed animal shelter. A. Brown indicated that she was told the Engineering department advertised for an architectural firm to design the building. B. Brink said that the building could possibly be repositioned so the building backs up to the property line and not the WPCA collection system staff Building 6A.

## **9. New Business**

There being no further issues to discuss, S. Bagwin made a motion to adjourn the meeting, seconded by E. Kelly; motion carried 3-0-0. The meeting was adjourned at 5:18PM.



## JULY 2022 TECHNICAL COMMITTEE REPORT

Monthly Operating Report data:	June Results			Permit Limit
	This month (June)	Last month (May)	10 Year June Monthly AVG	
Q (FLOW) DAILY AVG MGD	15	15.4	16.1	24 MGD DESIGN AVG
Q PEAK MGD	42.1	25.3	36.5	58 MGD MAX AVG
BOD INFLUENT AVG MG/L	275	245	227	
BOD INFLUENT AVG LBS/D	34,403	31,467		
BOD EFFLUENT AVG MG/L	2 *	2	2	
BOD EFFLUENT MAX MG/L	2	2		20 mg/L
BOD REMOVAL %	99.3 *	99.2	98.9	85%
TSS INFLUENT AVG MG/L	359	341	356	
TSS INFLUENT AVG LBS/D	44,911	43,797		
TSS EFFLUENT AVG MG/L	3 *	4	5	
TSS EFFLUENT MAX MG/L	4	5		20 MG/l
TSS REMOVAL %	99.1 *	98.8	98.4	85%
TOTAL N INFLUENT AVG MG/L	35.4	33	34.4	
TOTAL N INFLUENT AVG LBS/D	4429	4238	4498	
TOTAL N EFFLUENT AVG MG/L	1.83	1.51	2.1	
TOTAL N EFFLUENT LBS/D	231	195	274	926 LBS/D
N REMOVAL %	94.8	95.4	93.8	
TOTAL P INFLUENT AVG MG/L	5.24	4.53	4.84	
TOTAL P EFFLUENT AVG MG/L	0.4	0.54	0.79	
P REMOVAL %	92.4	88	85	
UV EXCEEDANCES <30 mJ/cm2	0	0		

### Equipment Update

NRCY Pumps

One pumps out at REM - no change, waiting on parts.

BFP #2

Rehab completed by Northeast Water



**UPDATE OF CAPITAL PROJECTS  
TECHNICAL COMMITTEE MEETING  
July 13, 2022**

**1. UPDATE ON ENGINEERING STUDIES AND DESIGNS**

**a. Infiltration Inflow Study**

CDM Smith is working on the design of the sewer rehabilitation in subareas F1-1 and B1-3. They are completing the design and specifications for bidding. The work includes spot replacement of sewers, CIPP lining, manhole rehabilitation, service lateral investigation and inflow removal. WPCA should receive the documents next month.

**b. Sludge Management Plan**

No change to this item. Hazen prepared a draft report which reflects the work done to date with our sessions. The report will remain a draft until we complete our site visits. Schenectady, NY is a facility that we would like to visit that includes using Pyrolysis for PFAS removal. Linden, NJ is another. Hazen will schedule a site visit to these plants when they have been operating a few months. Based on the site visits, changes will be made to the draft report and the report will be finalized.

**c. Plant Water, Return Activated Sludge (RAS) and Waste Activated Sludge (WAS)**

Gannett Fleming is working on the preliminary design report for the proposed system. WPCA is providing them with information about the plant operations and existing equipment so they can prepare a report.

**d. RFQ for Evaluation of the Alvord Lane, Commerce Rd and Saddle Rock Pump Stations**

WPCA received qualification packages from 9 engineering firms to evaluate these three stations. These will be distributed to the selection committee to review and rank. The top ranking 4 or 5 firms will be brought in for interviews.

**e. RFP for the Design and Supply of a Standby Generator at Clay Hill Pump Station**

We have all the necessary permits for this project and can now go out to bid. The bid to size and supply the generator will be advertised in August.

**f. Perna Lane, Phase I Collection Sewers**

Tighe and Bond is reviewing the alternatives report regarding the depth of sewers and locations for pump stations. Once the depth of sewers is determined and the potential sites for pump stations are identified, WPCA will have more information to reach out to the property owners and discuss easements. We can then schedule a public hearing to advise the neighborhood what is being looked at.

**g. New Building for Collection System Staff**

We are working on a RFP for architectural services to design a small building to be used as office space for the collection system staff and the electricians. This is about 12 employees. They are currently located in the metal building 6A which has a leaky roof and mold issues.

**h. Structural Evaluation of the Columns in the Sludge Dewatering Building**

There is rusting of the columns in the Sludge Dewatering building that need to be addressed. We have awarded a contract to a structural engineering firm who will be performing a field inspection of the



building, structural analysis to determine the loads applied to all load bearing framing, designing an appropriate repair or replacement of the framing and preparing construction documents for bidding with construction administration services.

## 2. UPDATE ON CONSTRUCTION PROJECTS

### a. **Design-Build Standby Generator for the Greenwich Ave. Pump Station**

WPCA is waiting for the Contractor to provide a schedule with any additional costs for this work. We have spoken to Eversource to discuss raising the transformer above the flood plain as requested by Engineering. Eversource owns the transformer but, WPCA would have to make and pay for any changes. Eversource is not requiring this to be done.

### b. **Preliminary, Secondary and Disinfection Treatment Improvements**

The additional supports have been installed at the catwalk beams. These seem to have reduced the shaft vibration. The punchlist, cleanup and site restoration is ongoing.

### c. **Electrical Preventive Maintenance / Arc Flash**

Siemens has completed gathering information for the arc flash portion of the project and forwarded the data to Tighe & Bond. We are meeting with Tighe & Bond next week to discuss completion of the project. Siemens will return for one day, Saturday, July 23<sup>rd</sup>, to finish the electrical preventive maintenance in the Synagro part of the sludge dryer building.

### d. **Sludge Degritting System Upgrade**

Gannet Fleming has spoken to Contractors to better understand what the largest costs in bidding this project were. Based on these discussions, they will re-engineer the project to address the comments made and lower the costs. We will be advertising for bids the first week of September.

### e. **Lining 8" Sanitary Sewer On Long Ridge Road**

There is a section of 8-inch sanitary sewer that crosses Long Ridge Road in the location of Table 104 restaurant that was having some backups. WPCA collection system staff investigated and found that a manhole had shifted and the 8-inch line coming into the manhole dropped about 3" outside the manhole causing the issues. Our collection system staff replaced the section of pipe that connected into the manhole. A video inspection shows the rest of the pipe has flattened and is now an oval shape. We are going to line this pipe to provide structural support to the pipe. We awarded a contract to a lining company who came out last week and cleaned and televised the line. They should be out next week to finish lining the section of pipe.

### **Change Order Log as of 7-13-22**

Copy of Change Order log for construction projects is attached. We anticipate one more change order to cover the pump shaft supports and the work needed to address the city electrical inspector comments.

Preliminary, Secondary and Disinfection Treatment Improvements (Contractor – CH Nickerson)

Original Value of Contract = \$ 26,751,500.00

Total Approved CO Amount = \$ 3,619,443.37

Contract Sum to Date = \$ 30,373,991.22

Percent of total project = 13.5%

Stamford WPCF Preliminary, Secondary and Disinfection Treatment Improvements  
Change Order Summary

CHN PCCOR No.	CHN PCCOR Date	Description	Contractor Amount	Status	Included in CO#	Total Approved Amount	PCO				Approved Date	RFI		RFP		WCD	
							Approved to Preliminary	Approved to Secondary	Approved to UV	Approved		No.	Date Issued	No.	Date Issued	No.	Date Issued
NA	NA	Replace the Issue for Bidding Specification Sections 00520 - Agreement and 00800 - Supplementary Conditions with the Attached Specifications	\$ -	Approved	1	\$ -					5/10/2019						
01 (rev)	6/21/2019	Programming Services Provider / Integration Services - Revised	\$ 194,922.00	Approved	2	\$ 194,922.00	\$ 48,340.00	\$ 110,000.00	\$ 36,582.00		7/9/2019						
02 (rev)	1/20/2020	Additional Plank Support Framing & Planking at UV Basin 1 Outfall	\$ 35,257.23	Approved	3	\$ 35,257.23			\$ 35,257.23		2/27/2020			H-01	11/19/2019		
03 (rev)	10/25/2020	Changes to Moment Connection at UV Canopy	\$ 4,076.36	Approved	3	\$ 4,076.36			\$ 4,076.36		12/12/2019	H-019					
05	11/18/2019	UV Pilasters	\$ 2,689.46	Approved	3	\$ 2,689.46			\$ 2,689.46		11/19/2019						
09	1/28/2020	Remove and Reinstal drain piping and electrical conduionboxes in Blower Room to install new fire rated wall. Plans did not call for this work	\$ 28,473.69	Approved	3	\$ 28,473.69		\$ 28,473.69			4/7/2020					W-06	11/20/2019
11	2/21/2020	Add spool pipe to Septage Area	\$ 1,214.84	Approved	3	\$ 1,214.84	\$ 1,214.84				2/27/2020					W-03	11/20/2019
13	3/9/2020	Additional Rebar at UV Basin 1	\$ 21,447.91	Approved	3	\$ 21,447.91			\$ 21,447.91		3/15/2020					H-01	12/18/2019
17	4/14/2020	UV Power Panel Relocation	\$ 23,740.56	Approved	3	\$ 23,740.56			\$ 23,740.56			H-095	4/8/2020				
14	3/18/2020	Relocate Generator and Modify Bridge Crane per Building Department Request	\$ 83,080.40	Approved	4	\$ 83,080.40		\$ 83,080.40			8/19/2020						
18	6/19/2020	Replace Missing Hardware @ AT Bridges	\$ 5,082.33	Approved	4	\$ 5,082.33		\$ 5,082.33			8/19/2020						
19	7/14/2020	Provide Additional Thin Client Licensing & Integrate Existing Mixers per City Request	\$ 23,618.32	Approved	4	\$ 23,618.32		\$ 19,287.40									
16	4/4/2020	Credit for Redundant Breaker @ ATS	\$ (17,296.74)	Approved	5	\$ (17,296.74)		\$ (17,296.74)			9/23/2020						
21	8/7/2020	Add External Breaker for RSP-2	\$ 9,061.48	Approved	5	\$ 9,061.48	\$ 9,061.48				9/23/2020						
24	8/26/2020	Additional Tags for The GE Historian	\$ 8,590.02	Approved	5	\$ 8,590.02	\$ 2,863.34	\$ 2,863.34	\$ 2,863.34		8/26/2020	H-164	8/19/2020				
25	9/14/2020	Replace UV Channel #3 Inlet Gate	\$ 37,004.86	Approved	5	\$ 37,004.86			\$ 37,004.86		9/15/2020			H-02	9/3/2020		
27	9/15/2020	Install Missing Wiring to MX 60-6 & 60-12	\$ 16,235.90	Approved	5	\$ 16,235.90		\$ 16,235.90			9/23/2020						
28	9/15/2020	New Sampler Location at UV	\$ 5,232.89	Approved	5	\$ 5,232.89			\$ 5,232.89		9/17/2020	H-154	9/8/2020				
29	9/22/2020	Replace Missing WML support rods in Aeration tank 1-4E/4W	\$ 4,869.75	Approved	5	\$ 4,869.75		\$ 4,869.75			9/23/2020						
31	9/22/2020	Test Soils for City Storage tent	\$ 1,525.86	Approved	5	\$ 1,525.86		\$ 1,525.86			9/23/2020						
20	8/21/2020	Cut Sumps in Aeration Tank Floors	\$ 37,083.78	Approved	6	\$ 37,083.78		\$ 37,083.78			10/5/2020						

Stamford WPCF Preliminary, Secondary and Disinfection Treatment Improvements  
Change Order Summary

30	9/22/2020	Add Cable Tray and Bus Supports	\$ 57,017.98	Approved	6	\$ 57,017.98		\$ 57,017.98				12/2/2020						
33	10/2/2020	Replace Failing Straub Coupling (Existing)	\$ 5,513.98	Approved	6	\$ 5,513.98		\$ 5,513.98										
40	11/2/2020	Add Supports to Existing Pipe in Blower room	\$ 16,024.43	Approved	6	\$ 16,024.43		\$ 16,024.43			11/11/2020							
36	10/28/2020	Paint UV Steel Walkway at Basins 1 & 2 - Option 1	\$ 12,145.53	Approved	6	\$ 12,145.53		\$ 12,145.53			12/2/2020							
37 (rev)	12/8/2020	Trench Cover at Spare Parts Building	\$ 25,055.44	Approved	7	\$ 25,055.44		\$ 25,055.44			12/17/2020			H-03	10/5/2020			
41 (rev)	12/8/2020	Canopy Extension and Davit Crane	\$ 36,975.66	Approved	7	\$ 36,975.66		\$ 36,975.66			12/17/2020			H-05	10/22/2020			
42 (rev)	12/8/2020	Maintenance Access at UV Electrode Sensors	\$ 16,475.43	Approved	7	\$ 16,475.43		\$ 16,475.43			12/17/2020	RFI-159	8/4/2020					
44	12/22/2020	Electrical Power in Spare Parts Building	\$ 13,554.20	Approved	7	\$ 13,554.20		\$ 13,554.20			1/8/2021			H-04	10/22/2020			
43	1/11/2021	Relocate Fire Alarm Conduit Around Door 1010c	\$ 5,410.15	Approved	7	\$ 5,410.15	\$ 5,410.15				1/6/2021							
45	1/11/2021	Increase Conduit Size to CP-11	\$ 1,191.24	Approved	7	\$ 1,191.24	\$ 1,191.24				1/12/2021							
48	1/21/2021	Add Bearing Cooling Water Gfeed to Influent Pumps	\$ 16,267.28	Approved	8	\$ 16,267.28	\$ 16,267.28				3/1/2021							
49	1/29/2021	Unforeseen Below Grade Conditdions @ RSPS	\$ 19,244.40	Approved	8	\$ 19,244.40	\$ 19,244.40				3/1/2021							
46	4/8/2021	Demo Existing Embed at New Channel #3	\$ 5,163.56	Approved	9	\$ 5,163.56		\$ 5,163.56			5/2/2021							
50 (rev)	2/3/2021	(RFI-196) Heat Trace and Insulate 2" CW	\$ 4,734.43	Approved	9	\$ 4,734.43		\$ 4,734.43			5/26/2021							
52	3/15/2021	Control Mods to Ex. NRCY Pumps to Meet Code	\$ 2,924.08	Approved	9	\$ 2,924.08		\$ 2,924.08										
53	3/15/2021	Add EXP Motor to OH Door at RSPS	\$ 2,815.39	Approved	9	\$ 2,815.39	\$ 2,815.39											
54	3/15/2021	Relocate HVAC Duct to Install Pump VFDs	\$ 1,670.90	Approved	9	\$ 1,670.90	\$ 1,670.90											
55	4/8/2021	Assist in Opening Gate 5030	\$ 3,710.78	Approved	9	\$ 3,710.78		\$ 3,710.78			5/2/2021							
56	4/9/2021	Separate Power/Control on Existing Mixer and Pumps to Maintain Curent Code Complaiance	\$ 19,078.76	Approved	9	\$ 19,078.76		\$ 19,078.76										
57	4/9/2021	Add Missing Wiring to New Ammonia Air Blast Kits	\$ 9,299.78	Approved	9	\$ 9,299.78		\$ 9,299.78										
58	4/9/2021	Delete UPS's @ Blower LCPs	\$ (2,057.30)	Approved	9	\$ (2,057.30)		\$ (2,057.30)										
60	4/20/2021	Emergency repair Assistance - Failed Gate at Primary DBox	\$ 8,483.32	Approved	9	\$ 8,483.32	\$ 8,483.32											
61	4/30/2021	Handrail Around Opening at MWG for UV Channel #3	\$ 2,105.85	Approved	9	\$ 2,105.85		\$ 2,105.85			5/19/2021							





Stamford WPCF Preliminary, Secondary and Disinfection Treatment Improvements  
Change Order Summary

92		Add Meltric Plugs AT NRCY Pumps	\$ 24,806.41	Approved	12	\$ 24,806.41		\$ 24,806.41										
		Credit for Remaining Unit Price Item 4C - Surface Spall Repair		Approved	12	\$ (15,107.00)			\$ (15,107.00)									
		Credit for Remaining Unit Price Item 5C - Formed Spall Repair		Approved	12	\$ (35,000.00)			\$ (35,000.00)									
		Additional Unit Price Item 6C - Type I Crack Repair		Approved	12	\$ 875.00			\$ 875.00									
		Credit for Remaining Unit Price Item 7C - Type II Crack Repair		Approved	12	\$ (3,750.00)			\$ (3,750.00)									
		Credit for Remaining Unit Price Item 8C - Type III Crack Repair		Approved	12	\$ (13,855.00)			\$ (13,855.00)									
		Credit for Remaining Unit Price Item 9C - Disposal of Polluted Soils		Approved	12	\$ (14,250.00)			\$ (14,250.00)									
		Credit for Remaining Unit Price Item 10C - Disposal of Contaminated Soils		Approved	12	\$ (21,750.00)			\$ (21,750.00)									
15	3/18/2020	Reroute roof drain from Screenings Building as required by the Stamford Building Department. Approved materials only. Labor to high so going T&M	\$ 6,912.20	Partial Approval	TBD	TBD	TBD				4/7/2020						W-01	
23	4/24/2020	Replace Cables for Gates Not Shown on Contract Drawing	\$ 5,893.78	Revisions Required														
76	6/15/2021	Increase Influent Pump VFD and Cabling	\$ 132,196.26	Approved	12	\$ 132,196.26	\$ 132,196.26											
73	11/23/2021	Replace Primary D-Box Gates and Actuators	\$ 96,748.25	Approved	13	\$ 96,748.25	\$ 96,748.25							01	11/22/2021			
94	11/23/2021	Realign RSP 1,2 &3	\$ 4,067.19	Approved	13	\$ 4,067.19	\$ 4,067.19										37	9/27/2021
95	11/23/2021	Add light to CP-96	\$ 762.80	Approved	13	\$ 762.80	\$ -	\$ 762.80									26	12/15/2020
98	11/23/2021	Configure Hach Controller for WiFi Use	\$ 6,102.42	Approved	13	\$ 6,102.42	\$ -	\$ 6,102.42									31	4/20/2021
99	11/23/2021	Add Aeration Blower VDV Alarm	\$ 2,674.05	Approved	13	\$ 2,674.05	\$ -	\$ 2,674.05									51	
105	11/23/2021	Add Neoprene Pads on Roof	\$ 2,370.74	Approved	13	\$ 2,370.74	\$ 2,370.74					258					36	5/22/2021
106	11/23/2021	Provide Additional Roof Duct Supports	\$ 7,956.42	Approved	13	\$ 7,956.42	\$ 7,956.42					288					54	10/7/2021
107	11/23/2021	Change Pipe Colors in RSPS	\$ 1,762.00	Approved	13	\$ 1,762.00	\$ 1,762.00					289						
109	11/23/2021	SNEET Servoces Assist City	\$ 4,014.79	Approved	13	\$ 4,014.79	\$ 4,014.79											
79	11/23/2021	Force Main Repair and Slip Lining Assistance		Approved	14	\$ 1,302,438.55	\$ 1,302,438.55											
		Additional Work at Spare Parts Building Exterior Door		Pending														
97	10/1/2021	CP-11 Reprogramming for Washpress Operations	\$ 2,542.68	Approved	15	\$ 2,542.68	\$ 2,542.68				1/4/2022							

Stamford WPCF Preliminary, Secondary and Disinfection Treatment Improvements  
Change Order Summary

110	12/10/2021	RSPS Building Additional Painting	\$ 12,098.92	Approved	15	\$ 12,098.92	\$ 12,098.92			1/4/2022			3	12/2/2021			
111	12/10/2021	Power Feed to Motor room OH Door	\$ 6,141.48	Approved	15	\$ 6,141.48	\$ 6,141.48			1/4/2022					57	11/17/2021	
112	12/17/2021	Power Feed for Indirect Gas Fired Furnace	\$ 1,574.98	Approved	15	\$ 1,574.98	\$ 1,574.98			1/4/2022					62	12/9/2021	
115	12/22/2021	Test and Replace Existing Gas Piping at RSPS	\$ 10,802.15	Approved	15	\$ 10,802.15	\$ 10,802.15			1/4/2022					58	11/19/2021	
116	12/22/2021	Install and Wire Exterior Pushbutton Station for OH Door 101A	\$ 771.44	Approved	15	\$ 771.44	\$ 771.44			1/4/2022					60	12/9/2021	
117	1/3/2022	Programming Changes to Sequencing of Aeration Blower	\$ 1,557.39	Approved	15	\$ 1,557.39		\$ 1,557.39		1/4/2022					61	12/9/2021	
119	1/6/2022	Remove NRCY Pump Temp Cabling	\$ 1,475.97	Approved	15	\$ 1,475.97		\$ 1,475.97		1/11/2022					59	11/19/2021	
121	1/13/2022	Furnish and Install Horn and Strobe	\$ 5,407.73	Approved	15	\$ 5,407.73	\$ 5,407.73			1/11/2022					63	12/21/2022	
122	1/10/2022	Integrate Fire Alarm Duct Smoke Sensors to Existing FACP	\$ 6,902.93	Approved	15	\$ 6,902.93	\$ 6,902.93			1/11/2022					63	12/21/2022	
123	1/14/2022	Misc SM Duct Modifications at Screenings/RSPS	\$ 8,848.53	Approved	15	\$ 8,848.53	\$ 8,848.53			1/11/2022					56	10/18/2021	
124	1/20/2022	Configure Hach Controller for WiFi Use	\$ 2,987.65	Approved	15	\$ 2,987.65		\$ 2,987.65		1/25/2022							
125	1/26/2022	Explosion Proof Horn alt.	\$ 1,244.85	Approved	15	\$ 1,244.85	\$ 1,244.85										
	3/1/2022	Balance in Contract Item Quantities - Secondary Treatment Upgrade	\$ 6,378.78	Approved	16	\$ 6,378.78		\$ 6,378.78		3/1/2022							
	3/1/2022	Balance in Contract Item Quantities - Preliminary Treatment Upgrade	\$ 341,762.51	Approved	16	\$ 341,762.51	\$ 341,762.51			3/1/2022							
87	11/24/2021	Demo Cove Base in RSPS	\$ 5,553.44	Approved	16	\$ 5,553.44	\$ 5,553.44			3/1/2022					42	7/29/2021	
93	9/21/2021	Add'l Wiring and Electrical Infrastructure for Mech Bar Screen Controls	\$ 14,316.56	Approved	16	\$ 14,316.56	\$ 14,316.56			3/1/2022	245	4/9/2021					
126	2/2/2022	Lightning Protection Repairs	\$ 5,455.19	Approved	16	\$ 5,455.19	\$ 5,455.19			2/22/2022							
127	2/24/2022	OH Door Wiring Credit	\$ (1,853.67)	Approved	16	\$ (1,853.67)	\$ (1,853.67)			3/1/2022					57	11/17/2021	
128	3/1/2022	ATC-H1 Wiring Revisions	\$ 6,501.38	Approved	16	\$ 6,501.38	\$ 6,501.38			3/1/2022					65	1/4/2022	
129	3/1/2022	Power Feed to Low Flow Switch at Odor Control	\$ 2,942.80	Approved	16	\$ 2,942.80	\$ 2,942.80			3/1/2022							
130	3/1/2022	Relocate Gas Detection Panel	\$ -	Approved	16	\$ -	\$ -								64		
					Total	\$ 3,619,443.17	\$ 2,823,461.43	\$ 491,287.57	\$ 300,363.25								