



## TECHNICAL COMMITTEE MEETING MINUTES

Wednesday, September 7, 2022

4:30PM

Via VIDEO/TELECONFERENCE

### Attendees:

Merritt Nesin	Chairman, Technical Committee
Edward Kelly	Committee Member
Steve Bagwin	Committee Member
Amiel Goldberg	WPCA Board Member
William Brink, PE	Executive Director, WPCA
Ann Brown, P.E.	Supervising Engineer, WPCA
Robert Pudelka	Plant Supervisor, WPCA
Steve Pietrzyk	Collection System Supervisor

### 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 August 10, 2022 Meeting Minutes

M. Nesin made a motion to approve the minutes of the August 10, 2022 Technical Committee Meeting; seconded by E. Kelly. Motion carried 2-0-0; S. Bagwin Abstained.

### 3. Public Comments

None

### 4. Discussion on Collection System

S. Pietrzyk discussed his staff and the work each member performs. He identified several projects they are working on including plan reviews, site visits for regulatory compliance, Long Ridge Road manhole internal drop repairs and Saddle Rock Road PS area I/I investigation. S. Pietrzyk provided a summary of the Monthly Pump Station and Collection Systems Activities from 8/5/22 to 9/5/22 which is attached and made part of these minutes.

### 5. Discussion on Plant Operations

R. Pudelka indicated that the plant was operating well. This month was the lowest methanol use the plant has had. He expressed concern about the SVIs and will make changes to the process to see if this improves. R. Pudelka identified mechanical equipment that the staff was working on including: RAS pump #3 VFD failure, degritter classifier, a plant water pump shaft repairs, main generator fuel pump replacement and recoating belt filter press #3 rollers.

### 6. Update on Engineering Studies and Designs and Construction Projects

A. Brown provided the committee with a Capital Projects Update including engineering studies and designs which is attached and made part of these minutes.

- 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
- i. RFP for Architectural/Engineering Services for Locker Room Renovations at SWPCA

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

A. Brown provided the committee with a Capital Projects Update including construction projects which is attached and made part of these minutes.

- 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**

M. Nesin asked if there was vibration testing done on the RSPS pumps and shafts after the walkway had additional supports installed. A. Brown stated that vibration testing was done after the additional supports and it appears that the vibration has been significantly reduced on all pumps.

## **9. New Business**

There being no further issues to discuss, E. Kelly made a motion to adjourn the meeting, seconded by S. Bagwin; motion carried 3-0-0. The meeting was adjourned at 5:07PM.

## Monthly Activities (8/5/22 to 9/5/22)

### Collection and Pump Station Division

#### Overview of Pump Station and Gravity Collection Systems:

1. Pump station inspections for 24-sanitary sewer and 4-stormwater stations (102)
2. Pump station call-out activities (2)
3. Manhole Inspections (253)
4. Gravity line service calls investigated (6)
5. Private lateral investigations and repairs in City ROW (1); 108 Richmond Hill Ave.
6. CCTV sanitary sewer lines (116 LF)
7. Sewer line cleaning (0.3 miles)

#### Pump Stations:

1. Repaired louver at Dyke Lane.
2. Cutting and removing old fasteners for three (3) duck bills at Cummings stormwater pump station. Work is on-going during low-tide cycles and weather permitting.
3. Removed old pump from Knapp ST. pump station and installed new Smith and Loveless Pump. Intake line to be repaired.
4. Separated, disassembled, and repaired operator housing for pump #1's isolation gate at Cove Island.
5. Exercised isolation gates and installed new interior lights at Cove Island
6. Completed landscape maintenance activities at pump stations.
7. Field reviewed proposed electrical improvements with Traver at Hobson and Saddle Rock pump station.
8. Fabricated and installed new enclosure unit to protect electrical components at Barry Place pump station.
9. Relocated two (2) float ball conduits at Barry Place pump station.
10. Completed electrical preventative maintenance inspections at various pump stations.
11. Determined pump #1 and #3 at Cummings stormwater pump station have compromised suction tubes and shared information with WPCA's Supervising Engineer.

#### Collection System:

1. Inspected private lateral connections and new routing of sanitary sewer line and manhole installations at 419 West Ave.
2. Jetted sewer lines on Weed Hill Ave., Ursula Pl. and Dale ST., Cove Rd. and Lockwood Ave.
3. CCTV a portion of Weed Hill Ave. and private lateral 77 George ST.
4. Commence with the investigation of extraneous water infiltration/inflow into portions of the sewer shed areas discharging into Saddle Rock pump station.
5. Completed sanitary sewer mark-outs for NY-Conn Corp.
6. Reviewed final specification package for sanitary sewer rehabilitation project prepared by CDMSmith and provided comments.

#### Training:

1. Training two (2) new mechanic in training (MIT) candidates on pump station work activities and use of computer maintenance and management system (CMMS).
2. Pump station electrician received training on the CMMS and is now completing work orders related to electrical inspections and/or installation of new equipment at various pump stations.

#### Miscellaneous:

1. Reviewed final specification package for sanitary sewer rehabilitation project prepared by CDMSmith and provided comments.
2. Continue to work with CDMSmith on the GIS upgrade project

3. Provided sanitary sewer plan sheet information to various civil engineers working on City development projects
4. Completed plan reviews for proposed sanitary lateral connections to public sanitary sewer system in view/permit system.
5. Communicated with CTDOT regarding road depression at 817 Long Ridge Road.
6. Reviewed complaint regarding sanitary sewer back-up at Curtain Call at Sterling Farms Golf Course.
7. Investigated sink hole complaints at 47 Vassar Ave. and Harvard Ave./West Main ST.
8. Investigated and responded to developer's complaint regarding unmarked sanitary sewer lines for housing development complexes.
9. Investigated a complaint from a property owner and determined a private lateral at 77 George ST. was broken by Penna Construction.

**Overview of Regulatory Compliance:**

1. Initial building permit reviews (21)
2. Re-review of building permit applications (39)
3. Sanitary sewer tie-in plan reviews (9)
4. Zoning permit application reviews (2)
5. Food Service Establishment (FSEs) Inspections (8)
6. FSE Follow-up Inspections (7)
7. Notice of violations (NOVs) Issued (1)
8. CTDEEP General Permit plan reviews or applications (7)

**Work performed by outside contractors:**

1. Portable generator repaired at West Ave. Pump Station.
2. Two (2) emergency manhole repairs completed.
3. Seven (7) manhole frames were raised.
4. Lined 8" sewer line at Long Ridge Road.
5. Hoist inspection at Dyke Lane.
6. Resealed manhole structure at Bouton ST. West.



**UPDATE OF CAPITAL PROJECTS  
TECHNICAL COMMITTEE MEETING  
September 7, 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 have sent a design and specifications which is under review.

**b. Sludge Management Plan**

No change to this item. Hazen prepared a draft report which reflects the work done to date. Hazen will schedule site visits to two plants after 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 10 engineering firms to evaluate the three pump stations. The selection committee has reviewed the packages and chose the top ranking 4 firms to interview. Purchasing will set up 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. Waiting for a bid date.

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

Tighe and Bond is reviewing the alternatives regarding the depth of sewers and locations for pump stations. A report should be coming within the next few weeks. 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 of the path forward.

**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. We have investigated providing a temporary office trailer to locate the employees until a new building is ready. I have received some quotes and will be preparing a Bid package for a small temporary unit.

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

The structural engineering firm of McCormack, Pelliccione & Associates has performed a field inspection of the columns in the sludge handling building. They will perform a structural analysis to



determine the loads applied to all load bearing framing and design an appropriate repair or replacement of the framing and prepare construction documents for bidding with construction administration services.

**i. RFP for Architectural Services for Locker Room Renovations at SWPCA**

We received proposals from 5 firms for renovations to the locker rooms. The proposals are under review. The locker rooms are 20 years old. The firm selected will be looking at repairs of the tiles, ventilation and locker space.

**2. UPDATE ON CONSTRUCTION PROJECTS**

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

WPCA, through the City's legal department, has reached out to the Contractor and asked again for the Contractor to provide any additional costs for this work so a Change Order can be negotiated. If they are not willing to provide this information, WPCA will pursue terminating the contract and rebidding this project.

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

The cleanup and site restoration is ongoing. There are a few punchlist items that are being addressed.

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

The Arc Flash data has been forwarded to Tighe & Bond. They will be completing this part of the project. I am waiting for a schedule from them as to when they will be on site to finish.

**d. Sludge Degritting System Upgrade**

This project was re-advertised for bids on September 1<sup>st</sup>. Bids due October 5<sup>th</sup>.

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

This pipe was lined on 8/12 with no issues. This work is complete.

**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	PCO								RFI		RFP		WCD	
			Contractor Amount	Status	Included in CO#	Total Approved Amount	Approved to Preliminary	Approved to Secondary	Approved to UV	Approved Date	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 Complaince	\$ 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							