

TECHNICAL COMMITTEE MEETING MINUTES Wednesday 10/13/2021 4:30PM

Via VIDEO/TELECONFERENCE

Attendees:

Merritt Nesin, P.E. Chairman, Technical Committee

Edward Kelly Committee Member
Mark McGrath Committee Member
Steve Bagwin Committee Member

William Brink, PE Executive Director, WPCA
Ann Brown, PE Supervising Engineer, WPCA

Pete Scorziello Synagro

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 September 14, 2021 Meeting Minutes.

E. Kelly made a motion to approve the minutes of the September 14, 2021 Technical Committee Meeting; seconded by S. Bagwin. Motion carried 4-0-0.

- 3. Public Comments None
- 4. Update of the Permit Modifications for the Dryer
 - P. Scorziello gave an update on the request for permit modifications. P. Scorziello clarified that they are asking to change the method of quantifying production, not asking for an increase in production. They now have a transport limit of 7.8 per hour. He would ask for that to be changed to about 12 transports per hour. He indicated that since the dryer went on line in January, he is able to meet production requirements with 5-6 transports per hour which is less than the limit. A stack test for CO and particulates is scheduled for November. If the emissions are low, he will ask for a modification. P. Scorziello indicated that the sludge quality has been good. He is not seeing as much fiber in the sludge. M. Nesin asked if any sludge is being hauled off site now. P. Scorziello stated that there is sludge being hauled because the volume of sludge produced by the plant sometimes changes and may be more some days. He also said sludge needs to be hauled when there are unexpected shut downs.
- 5. Update on Repair of Primary Clarifier No. 1
 - A. Brown indicated that they reviewed the cost of repairing the arm on the primary clarifier and the cost of replacing the arm. The cost of replacement parts for the arm was \$18,000. The repair could be done under an existing contract for millwright services with Northeast Water Maintenance. They quoted a cost of \$7,100.00 to temporarily repair the arm. Either option will require replacement of the entire unit and drive in the near future. We are proceeding with repairing the arm under our contract with Northeast Water Maintenance now and including the replacement of the entire unit and drive in the upcoming Sludge Degritting Bid Documents.
- 6. Approval of a Bid Waiver for Siemens for Mechanical Systems Inspections and Maintenance in the amount of \$58.152.00.

A. Brown explained that Siemens has an annual contract with WPCA for inspecting and maintaining the HVAC equipment at the WPCF. This request is for a renewal of that contract. The changes made this year are the removal of two units are no longer needed since the plant improvements and the addition of Dyke Lane pump station to the contract. W. Brink explained that Siemens provided the equipment and software during the plant upgrade in 2004. WPCA looked at changing the instrumentation and controls but found there was no savings in doing so. Therefore, this contract has been renewed annually. The Committee agreed to recommend a bid waiver in the amount of \$58,152.00 for Siemens.

7. Update on RFQ Response for Engineering Firm for FEMA BRIC grant application

A. Brown explained that qualifications were requested from 3 engineering firms to help with a needs assessment, cost estimate and Benefit Cost Analysis (BCA) for three storm water pump stations to assist in the City's application for a FEMA grant funds. Only one firm, Stantec, responded and provided a scope and fee schedule. The total fee requested for this work is \$54,560. The scope and fee is based on the WPCA providing information on past flooding events and damage from them. Since there are no past flooding events caused by a failure of the pumps, we do not have this data. W. Brink explained that these grants are highly competitive. Without historic information, our chances of receiving grant funds are not likely. He indicated that these stations were built in the 1960's and need improvements with or without the FEMA grant. He suggested the needs analysis be performed to identify what should be done at each station. The cost of this would be about \$20,000. If we continue with the BCA, it would be an additional \$24,700. Assisting with the grant application is \$4,900. Any of the information can be used in the future for other funding opportunities. The Committee agreed that this should be done and will recommend a bid waiver in the amount of \$54,560 for Stantec.

8. Discussion on Contract for the Purchase of Electricity

W. Brink stated that the City uses Competitive Energy Services (CES), a consulting firm, to advise it on electricity purchase and bid its electricity supply. WPCA bids in conjunction with the City but, as a separate bid. WPCA has purchased electricity in the past based on 12 or 24 month contracts. Our current 24 month contract for electricity @ \$0.0645/kWh expires on 11/3/21. We received bids which are substantially higher. It was recommended to go with a 2 year contract. The bid for 24 month fixed rate is \$0.09863. Based on last years' use, this will increase our electrical cost by approximately \$420,000 each year. W. Brink stated that he is hopeful that the price will fall over the next 2 years and hopes to achieve some energy savings with the new pumps, blowers and DO control system from the plant upgrade, as well as lower methanol usage.

9. Discussion on Plant Operations

Brink indicated that the plant is operating well. The submersible mixers have been running in the first part of the aeration tank which is now an anoxic zone. By enlarging the anoxic zone, Nitrate levels have fallen which means less methanol is being used. The process also needs less air and the new blowers are now more efficient.

10. Update on Engineering Studies and Designs

A. Brown provided the board with an update on engineering studies and designs which is attached and made part of these minutes.

- a. Infiltration & Inflow Removal Project
- b. Sludge Degritting System Upgrade
- c. Sludge Management Plan
- d. Engineering Design Services for Plant Water System and the RAS/WAS Pumping Systems
- e. Storm Water Pump Station Study for FEMA BRIC grant

Update on Construction Projects

A. Brown provided the board with an update on engineering studies and designs which is attached and made part of these minutes.

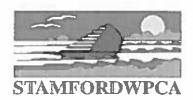
- a. Standby Generator for the Greenwich Ave. Pump Station
- b. Preliminary, Secondary and Disinfection Treatment Improvements
- c. Clay Hill Pump Station Generator
- d. Electrical Preventive Maintenance and Arc Flash Evaluation

12. Old Business

13. New Business

M. Nesin expressed his concern over the vibration in the shafts of the raw sewage pumps. He will send information to W. Brink detailing potential causes of the vibrations.

There being no further issues to discuss, E. Kelly made a motion to adjourn the meeting, seconded by S. Bagwin; motion carried 4-0-0. The meeting was adjourned at 5:32pm.



UPDATE OF CAPITAL PROJECTS TECHNICAL COMMITTEE MEETING

October 13, 2021

A. Brown presented the following project updates:

1. UPDATE ON ENGINEERING STUDIES AND DESIGNS

a. Sludge Degritting System Upgrade

The bid documents for replacing the primary sludge pumps and sludge degritting equipment, as well as the sludge withdrawal piping from the primary settling tanks, are ready to advertise. As discussed at the last meeting, we reviewed the broken skimmer arm in the primary clarifier and decided to repair the arm temporarily and add the replacement of the skimmer components and drive to the sludge degritting bid documents. The skimmer arm was damaged in tropical storm Ida. Once the arm is included in the documents, we will bid this project.

b. Sludge Management Plan

There is no change to this item. Hazen is performing a more detailed analysis on the remaining sludge management technologies. This would include a detailed look at the equipment sizing and costs. This part of the plan should take a few months to analyze.

c. Plant Water, Return Activated Sludge (RAS) and Waste Activated Sludge (WAS) WPCA met with Gannett Fleming to discuss the scope of services. They submitted their scope and fee which is under review. No change to this item.

2. UPDATE ON CONSTRUCTION PROJECTS

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

The contractor addressed comments sent by Stamford EPB and Engineering. EPB has approved and engineering is under review. Once approved, the necessary permits for this work can be obtained.

b. Preliminary, Secondary and Disinfection Treatment Improvements

Construction is ongoing and construction updates are as follows: 42" Force Main:

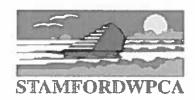
• The lining operation is complete and the force main is online.

Raw Sewage Pump Station:

- All three bar screens have been installed and are operating.
- The conveyor from the bar screens is installed by not yet in use.
- The 90° header pipe from the RSPS has been replaced with (2) 45° pipes.
- The duct work for the new ventilation system is ongoing.
- The by-pass pumps and piping have been removed from the site.
- Working on the septage receiving area.

Site Restoration

- Entrance driveway is being restored.
- Driveway widening area and the area where the by-pass pumps were located is being prepared for paving.
- Topsoil is being spread around areas that have been disturbed by the contractor staging equipment or by the by-pass piping.



c. Clay Hill Pump Station Generator

The generator pad has been installed. We will prepare a bid for the sizing, purchase and installation of a generator for this site.

d. Electrical Preventive Maintenance / Arc Flash

Siemens will complete the electrical preventive maintenance on the last building which is operations today and tomorrow. All the information compiled will be provided to Tighe & Bond for the Arc Flash Study to be prepared.

e. Storm Water Pump Station Study for FEMA BRIC Grant

There is funding available from FEMA under a Building Resilient Infrastructure in Communities (BRIC) program for improvements to the storm water pump stations. We are helping to prepare an application for this funding which is very competitive. The application requires a needs assessment, cost estimate, project schedule and benefit cost analysis using FEMA software. We anticipate that the needed improvements will include replacement of the pump stations' aged electrical switch gear and pump motors and the addition of an emergency standby generator. We received qualifications from one firm, Stantec. They have worked with WPCA on the Dyke Lane pump station and are qualified for this study. The information needs to be completed by the middle of November for submission to FEMA by Nov 29th.

Change Order Log as of 9-14-21

Copy of Change Order log for construction projects attached. The value of Change Orders for Capital projects to date are as follows:

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

Original Value of Contract = \$ 26,751,500.00 Total Approved CO Amount = \$ 1,590,129.60 Contract Sum to Date = \$ 28,341,629.60

Percent of total project = 5.9%

Electrical Preventive Maintenance (Contractor – Siemens)

Original Value of Contract = \$ 95,732.00 Total Approved CO Amount = \$ 7,854.00 Contract Sum to Date = \$103,586.00

Percent of total project = 8.2%

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

	Date fasued						11/20/2019	11/20/2019	12/18/2019										
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RFP	Date lasued			11/19/2019													9/3/2020		
æ	ź			H-01													H-02		
AFI	Date Issued									4/8/2020						B/19/2020			9/8/2020
	No.				H-019					H-095					10-1-analisada	H-164			H-154
	Approved	\$102019	7/3/2019	272772020	12/12/2019	11/19/2019	4772020	32772020	3715/2020		0202/81/19	B/18/2020		0202452/6	97375050	8262020	9/15/2020	9723/2020	9/17/2020
	Approved to UV		\$ 36,582.00	\$ 35,257,23	S 4,078.36	5 2,689.46			\$ 21,447.91	\$ 22,740.58						2,863.34	37,004.86		5,232.89
	Approved to Secondary	1	110.000.00				28,473 69				62,080.40	5,082.33	22,618,32	(17,296.74)		2.863.34 S	-s-	16.235 90	<u> </u>
	Approved to Preliminary		48.340.00 \$				- W	1,214.84				- sr	· · ·		9,061.48	2,863.34 \$		<u></u>	
	included in Total Approved CG9	•	194,922.00	35,257,23	4,078.36	2,689.46	28,473.69	1,214.84 \$	21,447,91	23,740.56	63,080.40	5,082.33	23,618.32	(17,296.74)	9,061.48	\$ 20 065 8	37,004.88	16.235.90	5.232.89
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PCO	Status	Approved	Approved	Approved	Approved	Approved	Approved	Approved	Approved	Approved	Approved	Approved	Approved	Approved	Approved	Approved	Approved	Approved	Approved
	Contractor		\$ 194,922.00	\$ 35,257,23	\$ 4,078.36	\$ 2,689.45	\$ 28,473.69	\$ 1,214.84	5 21,447.91	\$ 23,740.56	\$ 63,080.40	\$ 5,082.33	\$ 22,618.32	\$ (17,296.74)	\$ 9,061.48	5 8,590.02	\$ 37,004.86	\$ 16,235.90	\$ 5,232.89
	Description	Replace the Issue for Bloding Specification Sections 00520 - Agreement and 00800 - Supplementary Concitions with the Altachched Specifications	Programming Services Provider / Integration Services - Revised	Additional Plant Support Framing & Planking at UV Basin 1 Dutdell	Changes to Mornert Connection at UV Carupy	11/16/2019 UV Plasiers	Remove and Reinstel draft piping and electrical conditionboxes in Blower Room to Install new ise rated well. Plans did not call for this work.	Add spool plos to Seplage Area	Additional Rebar at UV Basin 1	UV Power Panel Relocation	Reforate Generator and Modify Bridge Crans per Building Department Request	Replace Masing Hardware & AT Bridges	Provide Additional Thin Clerk Licensing & Integrate Existing Miners per City Request	Crudit for Redundaril Breaker @ ATS	Add External Breaker for RSP-2	Additional Tags for The GE Historian	Replace UV Channel #3 Inlet Gate	Install Massing Witing to AIX 60-6 & 60-12	New Sampler Location at UV
	CHN PCCOR Date	NA NA	6/21/2018	1/20/2020	10/25/2020	11/16/2019	1/28/2020	2/21/2020	3/8/2020	41142020	3/18/2020	6/19/2020	7/14/2020	414/2020	B772020	826/2020	8/14/2020	0715/2020	9/15/2020
	CHIN PCCOR No.	N.	01 (rev)	(rev)	(1441)	8	80	=	2	17	2	#	19	10	53	24	16	27	138

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

						7	Change Color Sulfilling							
n	B/22/2020	Replace Messing WAR support rods in Aeration tank 1- 4E/AW	\$ 4,869.75	Approved	s	\$ 4,869.75	9.75	\$ 4,869.75		9/23/2020				
ē	8/22/2020	9722/2020 Test Solls for City Storage tent	\$ 1,525.86	Approved	vi	5 1,52	1,525.86	\$ 1,525.86		97237020				
8	6/21/2020	Cut Sumps in Aeration Tank Floors	s 37,083.78	Approved	פנ	S 37,083.78	3.78	\$ 37,083.78		10/5/2020) de-la sidamedil ber distribute			
8	9/22/2020	Add Cable Tray and Bus Supports	\$ 57,017,98	Approved	ų.	\$ 57,017.98	88.	\$ 57,017.96			12.	12/2/2020		
я	10/2/2020	Replace Falling Straub Coupling (Existing)	\$ 5,513.98	Approved	9	\$ 5,513,98	3.98	\$ 5,513.98			-			
9	11/2/2020	Add Supports to Existing Pipe in Blower room	\$ 16,024.43	Auproved	φ.	\$ 16,024.43	53	\$ 16,024,43		11/11/2020	T dament velocieles as			
98	10/28/2020	10/28/2020 Pain UV Steel Walkway at Basins 1 & 2 - Option 1	5 12,145,53	Approved	υ	\$ 12,145.53	25		\$ 12,145.53	12/2/2020				
37 (nev)		12/8/2020 Trench Cover at Spare Parts Building	\$ 25,055,44	Approved	,	\$ 25,055.44	5,44		\$ 25,055.44	12/17/2020		H	10/5/2020	
41 (rav)	12/8/2020	Canopy Extension and Davit Crans	\$ 36,975.66	Approved	1	\$ 38,975 66	99 9		\$ 36,975 66	12/17/2020		H GS	10/22/2020	
42 (rav)	12/8/2020	Maintenance Access at UV Electrode Sensors	\$ 16,475.43	Approved	7	\$ 16,475.43	5.43		\$ 16,475.43	12/17/2020 R	RFI-159 874	8/4/2020		
2	12/22/2020	12/22/2020 Electrical Power in Spare Parts Building	\$ 13,554.20	Approved	^	\$ 13,554.20	1.20		\$ 13554.20	1/8/2021		ž.	10/22/2020	
ā	1/11/2021	Relocate Fire Alarm Conduit Around Door 1010c	\$ 5,410.15	Approved		\$ 5,410.15	5,410,15			176/2021			-	
\$ 1	1/11/2021	1/11/2021 Increase Conduit Size to CP-11	\$ 1,191.24	Approved		\$ 1,191,24	1.24 \$ 1,191.24			1/12/2021				
₽	1/21/2021	1/21/2021 Add Bearing Cooling Water Gleed to Influent Pumps	\$ 16,267,28	Approved		\$ 16,267,28	7.28 \$ 16,267,28			37172021				
64	1/29/2021	Unforseen Below Grade Condidions @ RSPS	\$ 19,244.40	Approved	•	\$ 19,244.40	1.40 \$ 19,244.40			371/2021				
9	4/8/2021	Demo Existing Embed at New Channel s3	\$ 5,163.56	Approved	6	\$ 5,163.56	951		\$ 5,163.56	\$202/2/\$		1-0400000-Planes	his-shidely-de	
50 (rev.)	2/3/2021	(RF)-196) Heat Trace and Insulate 2" CW	\$ 4,734.43	Approved	gn	\$ 4,734.43	143	:	\$ 4,734.43	1202/92/5				
Sł	3/15/2021	Control Mods to Ex. NRCY Pumps to Maet Code	S 2,924.08	Approved		\$ 2,824.08	88	\$ 2,924.08						
83	3/15/2021	Add EXP Motor to OH Door at RSPS	\$ 2,815.39	Approved	G.	\$ 2,815.39	.39 \$ 2,815,39							
ซึ่	315/2021	Relocate FVAC Duct to Install Pump VFDs	5 1,670.90	Approved		5 1.670.90	1,670.90	•						
												-		

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

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88	4/B/2021	Assist in Opening Gata 5030	\$ 3,710.78	Approved	6	\$ 3,7	3,710.78	-	\$ 3,710.78	1202/2/\$			
8	4/9/2021	Separate Power/Control on Existing Miser and Pumps to Maintain Curent Code Completing	\$ 19,078.76	Approved	Ġ.	0'61 \$	19,078.76	\$ 19,078.76					
55	4/8/2021	Add Messing Whing to New Ammonia Air Blast Kits	\$ 9,299.78	Approved	Di-	5 8,2	8,209.78	\$ 9,299.78					
99	48/2021	Daleka UPS's © Bloner LCPs	\$ (2,057,30)	Approved	•	5 (2,0	(2,057,30)	\$ (2,057.30)					
8	420/2021	Emergency repair Assistance - Falled Gate at Primary DBox	\$ 8,483,32	Approved	59	15 40 40	8,483.32 8 8,483.32	-2					
5	4/30/2021	Handrail Around Opening at MWG for LIV Channel #3	\$ 2,105.85	Approved	0	\$ 2,1	2,105.85		\$ 2,105,85	1202/61/5	: : :		
Ø	5/10/2021	(PFI-157A) Grating Grounding at UV Basins	\$ 5,492.86	Approved	•	5.5	5,492.86		5,492.86	5/11/2021	157A		
64 (IBV)	5/12/2021	(RFP-126) Accessibility of UV Transmittance Sensor	\$ 9,493.96	Approved	e p	φ. φ.	9,493.96		\$ 9,493.96	5/13/2021	126		Marine Ma
33	5/12/2021	Seved Overhard in Stars in RSPS	\$ 900.43	Approved	D	ED .	900.43 \$ 900.43			!			
8	5/12/2021	Rework Removable Rallings at AT Miners	8	Approved	GA .	.,		47			-		
<i>1</i> 9	5/12/2021	Add Supports @ Influent Channel for Ahmerum Plating	\$ 5,315.63	Approved	a	8.	5,315,63 \$ 5,315,63						P-Stabilization
55	5/12/2021	Notch Framing around new Influent pump shafts @ 5 Locations	\$ 1,009.50	Approved	ca ca	8 1,0	02.900,1 8 02.900,1	0		es.		W+db-ullidandali	
R	5/17/2021	(WCD-H-cd) Encase Electrical and Hydraulic Conduit in Busin it (1&M)	5 23,164.63	Approved	da	\$ 23,1	23,166.63		\$ 23,166.63				H-03
r.	521/2021	Provide 7 MGD Clean Recirculated Flow at LV Basin #2	\$ 4,372.78	Approved	da	\$ 4.3	4.372.78		\$ 4,372.78	526/2021			
72 (rev)	5/21/2021	(RF1-222-H) Basin 2, Channel 3 Existing Wall Inconsistencies	S 6,436.33	Approved	59	\$ 0.4	6.436.33		\$ B,436.33	6/6/2021	222		
74	5/28/2021	(RFI-167) Repair to Existing Concrate Beam at UV Effluent PS	\$ 42,048.45	Approved	G	\$ 42.0	42,048.45		\$ 42,048.45	6/6/2021	191	- Additional and advantage	
63 (rav)	7/15/2021	breevgate/Repair Failed 42° Force Main	\$ 209,722.28	Approved	01	\$ 209,7;	209,722.29 \$ 209,722.28	gr					Address of the processor
(ABA) 898	7/15/2021	Install Temporary 24' HDPE Force Mains & Manifold	\$ 367,747,48	Approved	10	5 367,7	367,747.48 \$ 367,747.48	2		g.=gre			
8	4/16/2021	Add Current Transformers to Blowers to Accept signal and monitoring of Amperage	\$ 24,700 84	Approved	11	5 24,71	24,700.84	\$ 24,700.64		6/10/2021	237	distributed the same	
£	6952021	Replace Miser Metric Connector to Majch New Misers	\$ 7,330 29	Approved		2	7,330.29	\$ 7,330,29		6/10/2021			

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

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4	7/12/2021	Re-align Pumps 4 and 5 per GA Fleets Recommendation	\$ 2,824,56	Approved	11	\$ 2.9%	2,924.56 \$ 2.9	2,924,56								
78	7/15/2021	Bypass Force Main Rental/Ops Costs 4/21/21 Brough 6/18/21	\$ 136,711,13	Approved	13	\$ 136.71	136.711.13 \$ 136.	136,711,13			B/11/2021					
98	7/29/2021	Paint Existing Bridge Crane runnery beams and crane ral at UV Basin 62	\$ 8.221.33	Approved	11	\$ 8.2	8,221,33		 -	S 8,221.33	7/29/2020		9	772272021		
5	8/13/2021	Rader Lavel Sensor	\$ 2,407,75	Approved	12	\$ 2,40	2,407.75			\$ 2,407.75	B/18/2021				H-04	6/10/2021
53	1202/51/8	Delete Blawer Room Floor Painting	\$ (12,915.20)	Approved	21	\$ (12,91	(12,815.20)		(12,915.20)		B/25/2021					
2	8/18/2021	WCD-05-H UV PLC Programming Modifications - Add channel out of Service States	\$ 7,891,61	Approved	12	3 7,66	7,691.61		· · · ·	\$ 7,691.61	8/24/2021				HOS	7/14/2021
22	824/2021	(RFI-256) Protection around Fixed Utrascrit: Sensors at UV	\$ 3,053.06	Approved	12	\$ 3,06	3,053,06			\$ 3,053.06	12025	526	7/8/2/221			
8	B/27/2021	Add WiFT to Aeration Tank treinuments	\$ 15,421.01	Approved	12	\$ 15,42	15,421.01	⊌3	15,421.01		8/30/2021					
8	8/27/2021	Replace Existing Plastic JBs on Aeration	\$ 10,997,74	Approved	12	S 10,99	10,997,74	<u></u>	10,997,74	-	***************************************					
		Credit for Remaining Unit Price Rem 4C - Surtace Spall Repair		Approved	2	\$ (15,107,00)	77 (00)		**	\$ (15,107.00)						
		Credit for Remaining Unit Price Nem 5C - Formed Spall Repair		Approved	12	\$ (35,000.00)	10.00)		- decomplete colonies of	(35,000.00)			after-tille biamonised			
		Additional Unit Price Item 6C - Type I Creck Repair		Approved	12	\$ B7	B75.00		, , , , , , , , , , , , , , , , , , , 	S B75.00			223.2			
		Credit for Remaining Unit Price Ilam 7C - Type II Crack Repair		Арраме	51	s (3,75	(3,750.00)		w	(3,750.00)						
		Credit for Remakring Unit Price Item 8C - Type III Crack Repair		Approved	21	\$ (13,855,00)	(2.00)			\$ (13,855.00)			Interpretation description			
		Credit for Remaining Unit Price Item 9C - Disposal of Politiked Solis		Approved	12	\$ (14,250.00)	0.00)	allinini virin mihidi	and Introduction materials	\$ (14,250.00)						
		Creat for Remaining Unit Price item 10C - Disposal of Conteminated Soils		Approved	12	\$ (21,750.00)	10.00	V- 1-0-10-10-10-10-10-10-10-10-10-10-10-10-	Ŋ	(21,750.00)						
ē.	3718/2020	Reroute roof drain from Screenings Building as required by the Standord Building Department. Approved materials only, Labor to high so going TAM.	\$ 6,912.20	Partial Approval	180	180	OBT.				4172020		A		W-01	
E2	4/24/2020	Replace Cables for Gates Not Strown on Contract Drawing	\$ 5,693.78	Revisions Required										>post-out-of		
75	6/15/2021	6/15/2021 Increase Intuent Pump VFD and Cabling	5 132,196.26	Pending Discussion with WPCA to Determin Amount Wright: Pierce to Pay	Dat	081	D87							344de-sale-damin-discourse-sale-sife (1979)		

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

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: Siemens	
Contractor:	

			PCO					RFI	<u> </u>	2	RFP	WCD	٥
						Total							
			Contractor		Included	Approved	Approved		Date		Date		Date
CO No.	CO No. CO Date	Description	Amount	Status	in CO#	Amount	Date	Š.	Issued	Š	Issued	ON	benssi
-	7/28/2020	EPM and data collection of Sludge 7/25/2020 Dryer Facility not included in original scope.	\$ 7,845,00	Approved	-	\$ 7,845.00	7,845.00 7/29/2020						
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	6.50	Total	Total \$ 7,845.00			\$ 7,845.00							