



TECHNICAL COMMITTEE MEETING
Wednesday, October 16, 2013
2nd Floor Conference Room
Plant Site, 111 Harbor View Avenue, Stamford, CT 06902
5:30 p.m.

Attendees:

Dan Capano	Chairman, Technical Committee
Daniel Schwartz	Committee Member
William Brink	Executive Director, WPCA
Prakash Chakravarti	Supervising Engineer, WPCA
William Degnan	Plant Supervisor, WPCA
Gregory F. Maugeri	New England Dry Concrete, LLC

1. Call to Order, Pledge and Roll Call

Chairman Dan Capano called the meeting to order at 5:30 pm.

2. Review and approval of previous meeting minutes.

D Schwartz made a motion to approve the meeting minutes for September 18, 2013 seconded by D Capano. The motion was carried 2-0-0.

3. Presentation on by Gregory Maugeri of New England Dry Concrete

D Capano introduced Mr. Gregory Maugeri to the Committee. Mr. G Maugeri gave a product presentation for KRYTON concrete waterproofing products for application to repair leakages in tanks and used for crack repairs.

4. Status of Odor Control

D Capano stated that he noticed strong odors at the entrance gate. B Brink mentioned that the dryer was down and that sludge cake was being hauled away. The operators were working on the sludge blend tanks and measured high levels of hydrogen sulfide in the sludge blend tank room, which is being ventilated to the roof of the Sludge Dewatering Building. This will be corrected with the air balance in the building which will be done on October 29, 2013. D Capano asked about the odor scrubbers at the head works. B Brink said that the system was running and that the operators were manually adding twenty five gallons of hypo to the tank on a daily basis. B. Degnan mentioned that the weather proofing boxes have been built and will be installed soon. D Capano asked if the heat tracing was working. B Degnan answered he believes it is and will check it out.

5. Update on RFP #616 for Sludge Dryer Operations

B Brink indicated that we met with Synagro in September to begin the new contract negotiations and the next meeting is tentatively scheduled for November 6th. In the interim we have met with representatives of the Teamsters union to resolve an agreement the City made with them when the dryer was built that they would operate the dryer when Syngaro's contract expired. B Brink said that operation of the sludge dryer requires specialized knowledge and that is why most dryers are contract operated. None of the operators and mechanics has any training in operating and maintaining the dryer and it does not appear that they are interested in doing this. The SWPCA has agreed to pay the Union the equivalent of union dues for four operators during the period the current contract has been extended. He mentioned that Synagro is aware that this issue has to be resolved. D Capano indicated that he would like to attend the meeting with the Union.

6. Update RFQ #619 for Wastewater Engineering Services.

B Brink stated that the selection committee will consist of himself, Dan Schwartz, Board Member, Beverly Aveni from City Purchasing, Bill Degnan, Plant Supervisor, & Prakash Chakravarti, Supervising Engineer. He said that the Selection Committee met prior to the Tech Committee meeting where the qualifications received for Task 1 (Headworks), Task 2 (Flow Split) and Task 5 (SCADA) were distributed to the Selection Committee for review. The Selection Committee will meet on Oct 30, 2013 to summarize the evaluations and short list the firms to be invited for the interviews. B Degnan asked if any preference should be given to Connecticut firms. B Brink answered that most of the firms responding to the RFQ do have offices in Connecticut, but that the SWPCA and the City do not have any policy that says that preference should be given to Connecticut firms.

7. Mixed Liquor Piping to Secondary Clarifiers No 1 and No. 4

B Brink distributed a graphical print out of the profile of the two mixed liquor pipes feeding Secondary Clarifiers 1 and 4.. (Graph being made part of the minutes). B Brink stated that the pipes should have been laid flat, with an invert elevation of 8.00 and top of pipe at elevation 11.5. Instead, exploratory excavations have revealed that the lines were not laid flat, but rise midway to as high as elevation 13.6 and 14.3 for Secondary Clarifiers 1 and 4 respectively. In the current situation air gets entrapped at the high points which in turns drops the flow to the secondary clarifier No. 4 to a trickle. Woodward & Curren engineers were hired to look into the issue. Paul Dombroski recommended doing test pit excavations along the pipe run and the pipe profile was developed (Profile being made part of the meeting minutes).

B Brink stated that as a temporary fix, vents will be installed to relive the air pockets. D Capano asked if the pipelines were laid per design. B Brink said that we don't believe they were, but he will contact CH2M Hill and Carlin Contracting enquiring as to why the pipelines were laid in the current profile.

B Degnan mentioned that he contacted Butterworth and Sheck who were recommended by Aquarion water company for getting price quotes to do two core and tap two two inch holes to install the vents at the high points. B Brink

& P Chakravarti mentioned that eventually the pipelines may have to be laid to the right depth since high points are above the clarifier weir elevations.

8. Capital Projects status updates

P Chakravarti reported that the construction of the Carriage Drive sewer project is going well. The contractor Mark IV is planning on completing all of the pipe installation in Carriage Drive area before winter sets in and prepare the roadway for snow plowing, and will work in the easements in the winter months.

P Chakravarti also mentioned that Stantec Engineers will be submitting the design for the standby generator for Dyke Lane and the station evaluation report by the end of Oct, 2013.

9. FY 14-15 Capital Projects Request

B Brink distributed the 2014-15 Capital Budget request to the committee. He stated that there are some additions to the existing projects. He gave details on each line item with the cost summary. He also indicated that the Board of Finance has restricted spending on any non-bonded projects. (The budget request summary is being made part of the minutes)

10. New Business

D Capano mentioned that in reference to the pump station radio communication issue, he will be meeting with Greg Knapp on Oct 22, 2013. G Knapp was not familiar with the submitted design in our files, which shows the problem stations "meshed" together and huge relayed via land line to the plant. G Knapp stated the as installed condition was approved and they agreed to review the submittals when they meet on Oct 22, 2013. They also discussed that Knapp had previously offered a proposal to put a repeater on the Government Center, but this was several years ago. They also, discussed that a new path study would likely have to be done to determine the best location for a repeater if that is a viable option.

D Capano asked as to why the land lines were still in use. P Chakravarti answered that the wireless communication was not very reliable, especially during a storm; the LAN lines serve as a backup. D Capano indicated that with a stronger transmission signal, the land lines could be discontinued.

There being no other new business to discuss D Capano asked for a motion to adjourn the Technical Committee. D Schwartz made the motion to do so. Motion carried 2-0-0. The meeting was adjourned at 7:20 pm.

FY 14/15 Capital Project Lookup

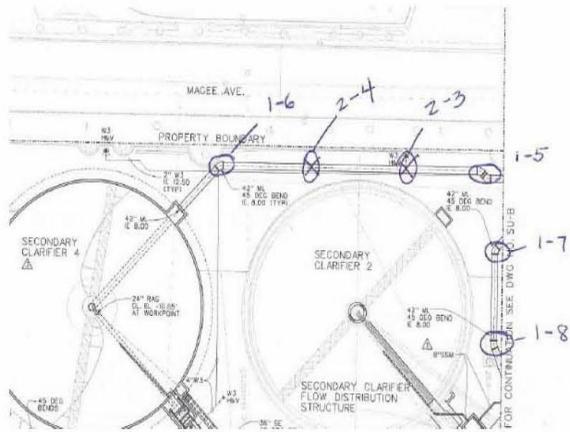
Lookup Agency Submission

pchakravarti

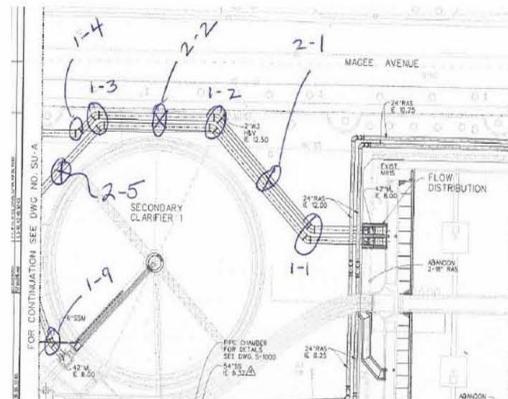
Double click to open Project

Red Bar - Your totals do not match

Project Num	Project Name	Agency	Contact Person	FY 14/15 Total	Totals With Out Years	FY 14/15 Submission	Priority	HTE Date - 9/30/2013		
								Encumbered	Free Balance	
30	C71282	VEHICLE REPLACEMENT AND REPAIR	Special Revenue - Water Pollution Control	Chakravarti, Prakash	50,000	275,000	Yes	8	0.00	510,000.00
184	CP9270	SANITARY PUMPING STATION UPGRADE	Special Revenue - Water Pollution Control	Chakravarti, Prakash	150,000	1,050,000	Yes	7	0.00	369,232.89
425	NEW	WEST VIEW LANE AREA SEWERS	Special Revenue - Water Pollution Control	Chakravarti, Prakash	100,000	2,100,000	Yes	6		
97	C22046	PERNA LANE AREA SEWERS	Special Revenue - Water Pollution Control	Chakravarti, Prakash	2,500,000	4,500,000	Yes	5	66,777.20	84,787.07
424	NEW	AERATION BLOWERS UPGRADE	Special Revenue - Water Pollution Control	Chakravarti, Prakash	1,400,000	1,400,000	Yes	4		
86	CP5241	STORM WATER PUMP STATIONS	Special Revenue - Water Pollution Control	Chakravarti, Prakash	700,000	700,000	Yes	3	244,516.00	1,002,664.77
421	NEW	SCADA SYSTEM UPGRADE	Special Revenue - Water Pollution Control	Chakravarti, Prakash	750,000	750,000	Yes	2		
422	NEW	UPGRADE PLANT HEADWORKS	Special Revenue - Water Pollution Control	Chakravarti, Prakash	500,000	6,500,000	Yes	1		
24	C20052	WEDGEMERE ROAD SEWERS	Special Revenue - Water Pollution Control	Chakravarti, Prakash	0	0	No	0	42,867.50	3,592,507.56
198	C22045	CARRIAGE DRIVE SEWERS	Special Revenue - Water Pollution Control	Chakravarti, Prakash	0	0	No	0	2,979,565.75	128,816.91
76	C71196	CMOM- SEWER CAPACITY MANAGEMENT, OPERATION &	Special Revenue - Water Pollution Control	Chakravarti, Prakash	0	600,000	Yes	0	498,359.70	1,006,425.30
75	C71201	UPGRADE OF ULTRA-VIOLET DISINFECTION SYSTEM	Special Revenue - Water Pollution Control	Chakravarti, Prakash	0	0	No	0	0.00	1,050,000.00
98	CP2047	PROJECT GIS	Special Revenue - Water Pollution Control	Chakravarti, Prakash	0	300,000	Yes	0	252,336.00	447,651.28
87	CP4242	SANITARY SEWER REHABILITATION	Special Revenue - Water Pollution Control	Chakravarti, Prakash	0	0	No	0	318,090.92	1,553,816.20
119	CP6904	WPCA MAJOR REPLACEMENT	Special Revenue - Water Pollution Control	Chakravarti, Prakash	0	0	No	0	79,614.85	1,995,133.56

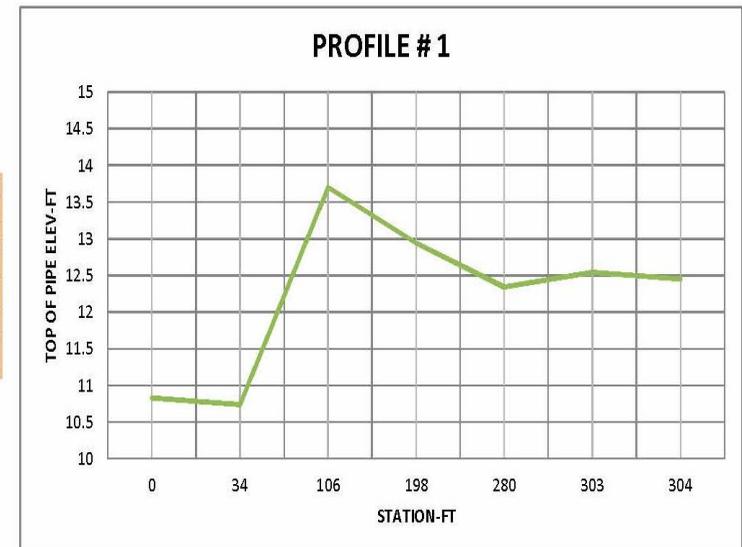


TEST PIT ID	FEET	ELEV	STATION
BM ELEV TOP OF CONC	22	FEET	
TOP OF PIPE AT INLET	0.66	10.83	0
1 1 4	11.39	10.61	38
1 2 4	7.85	14.15	91
1 3 4	7.72	14.28	187
1 4 4	7.82	14.18	204
1 6 4	11.88	10.12	383
TOP OF PIPE AT CLARIFIER	0.94	11.44	415



TEST PIT ID	FEET	ELEV	STATION
TOP OF CONC	3.16	18.84	
TOP OF PIPE AT INLET	0.66	10.83	0
1 1 1	11.26	10.74	34
1 2 1	8.3	13.7	106
1 3 1	9.06	12.94	198
2 7 1	9.66	12.34	280
1 8 1	9.46	12.54	303
TOP OF PIPE AT INLET	2.45	12.45	304

AT INFLUENT VAULT FOR CLARIFIER # 4 CHECK



SEC CLARIFIER MIXED LIQUOR INFLUENT PIPE PROFILE