

TECHNICAL COMMITTEE MEETING MINUTES Wednesday, January 17, 2024 4:30PM

Via VIDEO/TELECONFERENCE

Attendees:

Ed Kelly Merritt Nesin Steve Bagwin Bill Brink, P.E. Ann Brown, P.E. Steve Pietrzyk Acting Chairman, Technical Committee Committee Member Committee Member Executive Director, WPCA Supervising Engineer, WPCA Collection System Supervisor, WPCA

- 1. Call to Order and Roll Call E. Kelly called the meeting to order at 4:30PM and announced the attendees as listed above.
- Approval of December 13, 2023 Meeting Minutes E. Kelly made a motion to approve the minutes of the December 13, 2023 Technical Committee Meeting. The motion was seconded by S. Bagwin. Motion carried 3-0-0.
- Public Comments None. E. Kelly stated that he spoke with a member of the public, Nick Tamburro, 18 Willard Terrace, who indicated he wants to attend the pre-bid meeting. A. Brown will provide the meeting information to him so he can attend.
- 4. Discussion and approval of Amendment #1 to Tighe & Bond's contract for Perna Lane Sewer Extension for Bidding Services in an amount not to exceed \$17,700 A. Brown reviewed Tighe & Bond's Amendment #1 to their Agreement for Engineering Services. This amendment is for the bidding phase of the contract and includes:
 - Attending a pre-bid meeting with potential bidders
 - Responding to bidder's questions during the bid period
 - Preparing two addenda with backup documentation
 - Tabulating, reviewing, and analyzing bid results.
 - Investigating qualifications of the lowest bidder
 - Making recommendations for award of the contract to WPCA.

The fee for the Bidding Phase is an amount not to exceed \$17,700. The Technical Committee agreed to recommend approval of Amendment #1 to the Full Board.

- 5. Notification of CTDEEP's approval of Synagro's requested Air Permit Modification to Operate the Sludge Dryer at a greater throughput up to a daily average of 12 transport pods per hour A. Brown notified the Committee that the air permit modification submitted by Synagro was approved. The permit requires an hourly processing limit to ensure emissions limits set in the permit are not exceeded. The dryer has no mechanism to measure tons/hour processed directly, so transports/hour is a calculated rate that is used. The permit limit was 7.8 transports/hour. The permit now specifies 12 transports/hour daily average.
- Discussion on Collection System S. Pietrzyk presented the Monthly Pump Station and Collection Activities, which is attached and made part of these minutes. Steve reviewed issues with Cove Island Pump Station PLC. He also indicated that they are having success with the trial of the Wet Well Wizard and will continue with the trial period.
- 7. Discussion on Plant Operations R. Pudelka was absent from the meeting. Bil Brink presented the Monthly Operating Report and Equipment Update with the Committee, which is attached and made part of these minutes. Bill advised the Committee that the plant has experienced high flows from the wet weather and the monthly average in December was almost 20 mgd. Rob had previously expressed concern that the influent loads to the plant for BOD and TSS were approaching the design loads used in the 2004 plant

upgrade. Bill asked Wright-Pierce to look at the model of the system and advise on the BOD and Total Suspended Solid loads (pounds per day) used in their design of the most recent upgrade. Rob prepared the comparison of the 5-year averages from 2014-2018 to 2019-2023 which showed that although average flow remained the same at 15.8 mgd (66% of plant capacity), average BOD and TSS influent loads increased 17% and 14%, respectively. Average BOD loads have reached 80% of design loads and average TSS loads are 76% of design loads.

- 8. Update on Engineering Studies and Designs A. Brown provided the Committee with a Capital Projects Update including engineering studies and designs, which is attached and made part of these minutes. E. Kelly asked for clarification on the RFQ for Operation and Maintenance of the Dryer Facility. How will we handle the contract with Synagro if we do not have a firm in place before Synagro's contract expires? Bill responded that we would extend Synagro's contract, which we have done in previous years.
- 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. Ann provided an update to the Perna Lane Sewer Extension as follows:
 - Advertised for bids on 1/11.
 - Pre-bid meeting 1/23.
 - Bid opening 2/22.
 - Bidders may ask questions/clarifications till 2/12.
- 10. Old Business None.
- 11. New Business None.

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 adjourned at 5:25pm.

Revised February 5, 2024

Due to a Technical Error this meeting was not recorded.

Collection and Pump Station Division

Overview of Pump Station and Gravity Collection Systems:

- 1. Pump station inspections for 22-sanitary sewer and 4-stormwater stations (118)
- 2. Pump station call-out activities (29)
- 3. Manhole Inspections (296)
- 4. Gravity line service calls investigated (12)
- 5. Private lateral investigations and repairs in City ROW (4)
- 6. Sewer line repair (0)
- 7. Manhole repair(s) (5)
- 8. CCTV sanitary sewer lines (0 LF)
- 9. Sewer line cleaning (2.72 miles)

Pump Stations:

- 1. Performed monthly landscape maintenance activities at pump stations.
- 2. Exercised portable generators.
- 3. Performed electrical preventative maintenance inspections at various pump stations.
- 4. WPCA electrician worked with Knapp Engineering on a PLC problem that occurred in the control cabinet at Cove Island (12/29). While this work was on going, WPCA's Electrician asked GA Fleet to come down and determine if they could install temporary level control device for the pump station to avoid having staff monitor and manually control pump operations over the long holiday weekend. On 1/2/24, Knapp Engineering installed the new PLC card and processor and GA Fleet disconnected the temporary level control device, so the station was operating normally. Through this event, WPCA's electrician also determined the drive for VFD pump #3 had failed and a replacement was ordered from Flowtech.
- 5. Staff have been monitoring the effectiveness of the wet well wizard in limiting grease accumulation in the wet well at Bonner Pump Station. Staff may relocate the trial equipment at another pump station for another 30 day trial period.

Collection System:

- 1. Crew jetted lines on Edice RD.; Snow Crystal LN., Wild Horse RD., Club RD., Malvern RD., Stillwater Ave., West Park PL., Main ST., Summer ST. Ext., Orange ST., Lockwood Ave., Broad ST., and Elm ST.
- 2. Crews responded to a spill incident caused by CTDOT and their contractors on 12/21/23. CTDOT and their contractors were excavating a section of the stormwater conveyance system receiving stormwater flow from I-95 and failed to notify WPCA in advance of these excavation activities to mark-out the sanitary sewer line in vicinity. As a result, these entities broke the sanitary sewer line. WPCA's staff assisted in containing the spill and provided necessary pipe and fittings and supervised and directed these entities in completing the sewer line repair.

Miscellaneous:

- 1. Continue to work with CDMSmith on the GIS upgrade project.
- 2. Provided sanitary sewer plan sheet information to various civil engineers and/or contractors working on City development projects.

Overview of Regulatory Compliance:

- 1. Initial building permit reviews (6)
- 2. Re-review of building permit applications (45)
- 3. Sanitary sewer tie-in plan reviews (0)
- 4. Zoning permit application reviews (4)
- 5. Initial Food Service Establishment (FSEs) Inspections (2)
- 6. FSE Follow-up Inspections (6)
- 7. Notice of violations (NOVs) Issued (1)
- 8. CTDEEP General Permit plan reviews or applications (13)

Work performed by outside contractors:

- 1. Vitti Construction repaired two (2) manhole frame and cover at 127 Hartswood RD. and 86 Ogden RD.
- 2. Vitti Construction repaired four (4) laterals in the City ROW at 55 Elm Tree PL., 17 Greenwood Hill ST., 227 Bedford ST., and 225 Greenwich Ave.
- 3. Cavalier Construction re-set manhole frames (3) at Tremont Ave. and Courtland Ave., Courtland Ave., and 1103 East Main ST.
- 4. Knapp Engineering installed new PLC card and processor at Cove Island pump station.
- 5. GA Fleet installed temporary level control device for the Cove Island pump station.



JANUARY 2024 TECHNICAL COMMITTEE REPORT

Monthly Operating Report data:	December Resu	ults		
			Historical	
	This month	Last month	(Dec)	Permit Limit
	(Dec)	(Nov)	Monthly	
			AVG	
Q (FLOW) DAILY AVG MGD	19.9	15.7	16.7	24 MGD DESIGN AVG
Q MAXIMUM DAILY AVG MGD	29.1	20.7	23.9	58 MGD MAX AVG
BOD INFLUENT AVG MG/L	207	263	221	
BOD INFLUENT AVG LBS/D	32,529	34,437		
BOD EFFLUENT AVG MG/L	5	4	4	
BOD EFFLUENT MAX MG/L	9	6		20 mg/L
BOD REMOVAL %	97.3	98.5	98.1	85%
TSS INFLUENT AVG MG/L	267	430	298	
TSS INFLUENT AVG LBS/D	41,958	56,303		
TSS EFFLUENT AVG MG/L	11	7	11	
TSS EFFLUENT MAX MG/L	21	12		20 MG/I
TSS REMOVAL %	95.2	97.6	96.1	85%
TOTAL N INFLUENT AVG MG/L	28.9	38.5	33.5	
TOTAL N INFLUENT AVG LBS/D	4542	5041	4508	
TOTAL N EFFLUENT AVG MG/L	1.96	2.20	3.31	
TOTAL N EFFLUENT AVG LBS/D	337	294	465	926 LBS/D
N REMOVAL %	93.2	94.3	89.6	
TOTAL P INFLUENT AVG MG/L	3.81	5.3	4.72	
TOTAL P EFFLUENT AVG MG/L	0.57	0.86	0.69	
P REMOVAL %	85	83.8	85.1	
UV EXCEEDANCES <30 mJ/cm2	0	0		

Plant Equipment Update

TWAS Pump #1	New VFD installed
Admin Heating System	Clearwater completed acid cleaning and replacement of glycol
Primary Building RTU	New burner ordered - back ordered
Admin Building Domestic H2O	Need to replace hot water heaters
Main Generator	Diesel Fuel replaced; Block Heater needs replacement;
	Diesel Fuel filtration system needed
Trojan UV	Installed Streaming connection to remote connect
BFP PLCs	Knapp to provide and program replacement and spare
6" & 3" Submersibles	GA Fleet to repair both pumps
BFP Belts	Replacement of three torn belts

*** Primary tanks by passed from 11/28 - 12/29/23 due to the leaking sludge line on #2 and construction to primary tnak #1

Stamford Average Daily Flow - MGD

calendar year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	10 YR AVG	5 YR AVG '14-'18	5 YR AVG '19-'23	5 YR % Change
January	15.7	16.4	15.8	16.4	14.2	21.7	16.7	16.1	14.5	16.3	16.4	15.7	17.1	
February	16.1	14.5	18.4	15.6	18.3	18.5	16.7	15.8	16.0	14.7	16.5	16.6	16.3	
March	17.3	20.8	16.1	15.8	21.3	18.4	16.1	16.4	15.8	16.9	17.5	18.3	16.7	
April	19.2	18.2	15.7	20.7	18.2	17.7	17.3	15.8	18.3	15.0	17.6	18.4	16.8	
Мау	20.8	15.1	15.6	17.4	15.6	20.0	15.9	15.3	15.4	17.4	16.9	16.9	16.8	
June	15.5	15.8	14.5	15.4	14.3	15.9	13.7	14.6	15.0	13.5	14.8	15.1	14.5	
July	14.7	14.9	13.8	14.6	14.2	17.3	13.5	19.7	13.8	14.3	15.1	14.4	15.7	
August	13.7	13.8	14.0	13.4	15.6	14.8	13.2	14.6	12.4	14.3	14.0	14.1	13.9	
September	13.2	13.3	13.3	13.2	17.2	13.2	12.9	20.8	12.8	16.4	14.6	14.0	15.2	
October	13.4	13.7	13.2	12.9	20.2	14.3	13.3	16.4	13.4	17.9	14.9	14.7	15.1	
November	13.8	13.8	13.5	13.3	20.0	14.7	14.9	15.2	13.0	15.7	14.8		14.7	
December	18.0	14.7	15.3	12.6	20.4	19.0	17.2	13.5	14.9	19.9	16.6	16.2	16.9	
						<13	≥20		Lowest flow					
annual average	16.0	15.4	14.9	15.1	17.5	17.1	15.1	16.2	14.6	16.0	15.8	15.8	15.8	0%
% of Permit Design for Avg Monthly Flow of 24 MGD	66%	64%	62%	63%	73%	71%	63%	67%	61%	67%	66%	66%	66%	
annual precipitation - inches	48.05	40.74	40.17	42.30	66.65	58.03	44.43	58.51	40.87	57.43	49.7	47.6	51.9	8%

Stamford Average Influent BOD - mg/L

year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	10 YR AVG	5 YR AVG '14-'18		5 YR % Change
January	211	190	184	175	255	170	202	190	309	216	210	203	217	
February	205	218	151	181	164	182	237	245	248	254	209	184	233	
March	184	152	185	177	130	178	235	227	252	222	194	166	223	
April	154	164	184	151	169	184	197	212	231	303	195	164	225	
Мау	174	236	190	185	219	192	247	284	245	212	218	201	236	
June	222	189	205	224	260	255	277	242	275	313	246	220	272	
July	261	173	202	232	239	205	294	224	310	301	244	221	267	
August	240	212	196	236	190	234	290	246	281	296	242	215	269	
September	281	217	221	268	230	258	267	205	293	222	246	243	249	
October	254	199	278	250	202	302	335	274	305	295	269	237	302	
November	296	212	246	251	172	342	236		297	263	258	235		
December	184	204	245	275	158	195	193	295	237	207	219	213	225	
· · · · · · · · · · · · · · · · · · ·						>300								
annual average	222	197	207	217	199	225	251	243	274	259	229	209		17%
annual average flow - MGD	16.0	15.4	14.9	15.1	17.5	17.1	15.1	16.2	14.6	16.0				0%
ave annual Inf BOD - lb/da	29,553	25,351	25,812	27,353	28,975	32,099	31,623	32,752	33,332	34,570	30,203	27,432	32,981	17%
W-P % of Design for PE BOD loadings to Bioreactors = 41,233 lbs/d	72%	61%	63%	66%	70%	78%	77%	79%	81%	84%	73%	67%	80%	

Wright-Pierce (Hankins) Design Daily Influent BOD Loadings = 41,233 lbs/d. (24mgd*206mgl*8.34lbs) (90%=37,110)

If using the last five year avg of 250 mgl, then we will hit 90% of design at 17.80 MGD w/ extended anoxic zone.

Stamford Average Primary Effluent BOD - mg/L

											10 YR	5 YR AVG	5 YR AVG	5 YR %
year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	AVG	'14-'18		Change
January	107	96	96	128	128	102	111	124	127	107	113	111	114	
February	101	104	81	132	110	113	118	162	122	100	114	106	123	
March	94	85	92	127	110	113	123	182	127	101	115	102	129	
April	89	79	93	109	85	128	102	212	100	116	111	91	132	
Мау	84	95	95	97	89	116	142	204	109	103	113	92	135	
June	101	91	98	103	113	129	167	214	108	145	127	101	153	
July	94	93	90	82	100	115	148	138	112	140	111	92	131	
August	91	101	93	89	88	111	148	165	122	134	114	92	136	
September	99	92	97	104	90	121	148	129	115	128	112	96	128	
October	107	115	105	115	90	123	145	128	123	139	119	106	132	
November	122	107	108	119	95	129	138	128	123	162	123	110	136	
December	92	100	112	122	86	106	125	134	120	196	119	102	136	
annual average	98	97	97	111	99	117	135	160	117	131	116	100	132	24%
annual average flow - MGD	16.0	15.4	14.9	15.1	17.5	17.1	15.1	16.2	14.6	16.0	15.8	15.8	15.8	0%
ave annual Inf BOD - Ib/da	13,092	12,407	12,039	13,934	14,366	16,734	16,967	21,595	14,295	17,497	15,289	13,177	17,407	24%
CH2M % of Design for PE BOD loadings to Bioreactors = 29700 lbs/d	44%	42%	41%	47%	48%	56%	57%	73%	48%	59%	51%	44%	59%	
W-P % of Design for PE BOD loadings to Bioreactors = 21,797 lbs/d	60%	57%	55%	64%	66%	77%	78%	99%	66%	80%	63%		80%	

CH2M Design Daily BOD Primary Effluent Loadings = 29,701 lb/d. (24mgd*148mgl*8.34lbs) 90% = 26,7309 Wright-Pierce (Hankins) Design Daily BOD Primary Effluent Loadings = 21,797 lb/d.(24mgd*109mgl*8.34l90% = 19,781 If using the five year avg of 132 mgl, then we will hit 90% of design at 17.97 MGD w/extended anoxic zone

Stamford Average Influent TSS - mg/L

												5 YR	5 YR	
											10 YR	AVG	AVG	5 YR %
year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	AVG	'14-'18	'19-'23	Change
January	271	283	258	255	390	255	235	218	446	266	288	291	284	
February	282	307	218	243	232	241	295	279	360	364	282	256	308	
March	252	204	296	221	165	254	326	314	308	311	265	228	303	
April	200	244	262	223	249	268	269	309	357	372	275	236	315	
Мау	202	331	275	245	340	281	333	420	341	280	305	279	331	
June	318	297	349	351	494	460	397	330	359	384	374	362	386	
July	390	279	318	352	426	343	392	275	471	485	373	353	393	
August	346	345	331	363	285	490	397	381	434	373	375	334	415	
September	458	365	367	414	400	440	398	272	439	256	381	401	361	
October	375	277	464	316	293	480	559	396	422	358	394	345	443	
November	372	304	370	355	223	639	312	405	452	430	386	325	448	
December	260	276	356	365	222	293	249	407	304	267	300	296	304	
							>400							
annual average - mg/L	311	295	322	309	310	370	347	334	391	346	333	309	358	13%
annual average flow - MGD	16.0	15.4	14.9	15.1	17.5	17.1	15.1	16.2	14.6	16.0	15.8	15.8	15.8	0%
annual avg Inf TSS - Ib/da	41,370	37,930	40,103	38,883	45,125	52,892	43,726	45,057	47,647	46,176	43,913	40,688	47,145	14%
W-P % of Design for PE TSS														
loadings to Bioreactors =61,849 lbs/day	67%	61%	65%	63%	73%	86%	71%	73%	77%	75%	71%	66%	76%	

Wright-Pierce (Hankins) Design Daily Influent TSS Loadings = 61,849 lbs/d. (24mgd * 309 mgl * 8.34lbs) (90% = 55,664 lb/d) If using the last five year avg of 358 mgl, then we will hit 90% of design at 18.64 MGD w/ extended anoxic zone.

Stamford Average Primary Effluent TSS - mg/L

											10 YR	5 YR AVG	5 YR AVG	5 YR %
year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	AVG	'14-'18	-	Change
			-			-								
January	87	83	87	120	133	132	108	117	93	94	105	102	109	
February	87	93	79	122	125	141	120	146	90	88	109	101	117	
March	81	80	88	117	126	138	112	244	106	76	117	98	135	
April	75	79	82	119	82	188	100	225	82	83	112	87	136	
Мау	78	83	81	110	95	166	131	305	81	71	120	89	151	
June	80	79	79	109	136	130	181	351	81	95	132	97	168	
July	79	77	76	78	114	129	148	156	86	101	104	85	124	
August	74	78	87	95	104	113	146	172	85	94	105	88	122	
September	89	78	85	119	107	125	165	162	80	93	110	96	125	
October	96	89	81	109	103	128	151	108	90	116	107	96	119	
November	89	84	88	128	122	125	130	108	90	154	112	102	121	
December	88	85	100	122	103	110	111	86	85	211	110	100	121	
annual average - mg/L	84	82	84	112	113	135	134	182	87	106	112	95	129	26%
annual average flow - MGD	16.0	15.4	14.9	15.1	17.5	17.1	15.1	16.2	14.6	16.0	15.8	15.8	15.8	0%
ave annual Inf TSS - Ib/da	11,119	10,586	10,514	14,154	16,380	19,341	16,841	24,519	10,650	14,211	14,746	12,502	16,996	26%
CH2M % of Design for PE TSS loadings to Bioreactors =14,720 lbs/day	76%	72%	71%	96%	111%	131%	114%	167%	72%	97%	100%	85%	115%	
W-P % of Design for PE TSS														
loadings to Bioreactors =24,219 Ibs/day	46%	44%	43%	58%	68%	80%	70%	101%	44%	59%	61%	52%	70%	
														-

CH2M Design Daily TSS Primary Effluent Loadings = 14,720 lbs/d.

(24mgd * 73mgl * 8.34lb) 90% = 13,248 lb/d

Wright-Pierce Design Daily TSS Primary Effluent Loadings = 24,219 lbs/d.

(24mgd * 107mgl * 8.34lb) 90% = 21,797 lb/d

If using the last five year avg of 129 mgl, then we will hit 90% of design at 20.2 MGD w/extended anoxic zone



UPDATE OF CAPITAL PROJECTS TECHNICAL COMMITTEE MEETING January 17, 2024

ENGINEERING STUDIES AND DESIGNS:

- **1. Infiltration Inflow Study** The contractor has completed the pipe lining. He will move to the manhole repairs next.
- 2. Sludge Management Plan

Hazen has begun working on the fermentation study.

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

Gannett Fleming is working on the preliminary and final design of this project. We have had meetings to review pump and piping layouts.

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

Basis of Design Report for the pump station upgrades was completed. The Saddle Rock Road pump station is in the worst shape so the design and construction of that station will be the priority. The design of Alvord Lane and Commerce Rd will be done together and follow Saddle Roack Rd.

5. RFP for the Design and Supply of a Standby Generator at Clay Hill Pump Station and West Avenue Pump Station

Technical specifications are being finalized and will be reviewed by the collection system electrician. Bid documents should be completed by the end of this month.

6. Perna Lane, Phase I Collection Sewers

The project schedule is as follows: Advertised for bids on 1/11. Pre-bid meeting 1/23. Bid opening 2/22. Bidders may ask questions/clarifications till 2/12.

- **7. Structural Evaluation of the Columns in the Sludge Dewatering Building** Preparing bid documents for the repair.
- 8. Bid for Design Build Standby Generator for the Greenwich Ave. Pump Station

Preparing the bid documents to purchase and install a generator for Greenwich Ave Pump Station. The controls will be provided by the WPCA. Bid documents should be completed by the end of this month.

9. RFQ for the Operation and Maintenance of Stamford WPCF Sludge Drying Facility and Transportation and Beneficial Use or Disposal of Biosolids

The selection committee reviewed the qualifications. A Request for Proposals is being sent to qualified firms.



CONSTRUCTION PROJECTS:

- 1. Electrical Preventive Maintenance / Arc Flash We authorized Siemens to proceed with the Arc Flash study. A kickoff meeting is scheduled for 1/18.
- 2. Modular Office Trailers for Collection System Staff

The trailers are in place. The power and cable for phone and internet is installed. The collection system staff has moved into the trailers. We are negotiating a cost with our contractor for the installation of a water line and sewer lateral to the trailers.

3. Painting of Final Clarifiers # 1, 2 and 4

A kickoff meeting will be scheduled soon. Work will be scheduled for the spring when the weather is warmer.

4. Repair of Storm Water Pumps #1 and 3 at Cummings Pump Station

Awarded to New England Pump and Valve. They have been out to the site to assess removal of the pumps. They will begin repairing one pump at a time.

5. Sludge Degritting System Upgrade

CH Nickerson is working on the following:

- Demo equipment pads in Primary PS basement.
- Primary Sludge Pump #2-move, tie-in, and test.
- Backfilling the jacking pit for Clarifier #1.
- Excavating the jacking pit for Clarifier #2.
- Baffles and weir in Clarifier #2.

6. Repair/Replacement of approximately 175 LF of 12" Sewer on Edice Rd

Vitti was awarded the bid. A kickoff meeting was held on 1/16. Vitti will be starting work after the winter season, so that there are fewer work stoppages due to periodic inclement weather.

PAYMENT/CHANGE ORDER LOG AS OF 10/10/2023

<u>Sludge Degritting System Upgrade (Contractor – CH Nickerson)</u> Original Value of the Contract =\$ 9,165,000.00 Total Approved CO Amount = \$ 0 Contract Sum to Date = \$ 9,165,000.00