Proposed Agenda
August 29, 2018
3261 Lancaster Hwy
Richburg, SC 29729
6:00 PM

I. Call Meeting to Order

II. Invocation

III. Pledge of Allegiance

IV. Approval of Last Meeting Minutes

V. Old Business

a.	Lando/Manetta & Rocky Creek Update	- Mr. Patrick Timms
b.	Sandy River Update	- Mr. Tony Young
c.	Pretreatment Update	- Ms. Devon Beaty
d.	Maintenance Report	- Mr. Michael Hunter
e.	Project Updates	- Mr. Phillip A. Thompson-King

VI. New Business

a. Rate Restructure Proposed Changes to Customer Classifications, Rates and Charges for Wastewater Service of the District - Mr. Phillip A. Thompson-King

b. Raftelis Financial Consultants' Proposals -Mr. Phillip A. Thompson-King
- On-Call Services Agreement

c. Public Comment

VII. Reports

Financial Statement - Mr. Joel Manning

VIII. Executive Session

Motion to enter Executive Session under S.C. Code Section 30-4-70(a) to discuss: (1) an employment matter [regarding employees]; (2) negotiations incident to proposed contractual arrangements with [the Town of Fort Lawn and modifications to the AECOM Scope of Service]; and (3) security devices for [CWR Office]

IX. Actions, if any, on Matters Discussed in Executive Session

X. Adjourn

Chester County Wastewater Recovery
Commission Meeting

August 29, 2018 **ORIGINAL**

The Chester Sewer District held its monthly Board of Commissioners Meeting on Wednesday, August 29, 2018 at 6:00 PM at the CSD office located at 3261 Lancaster Highway, Richburg, SC. Commissioners in attendance were Mr. Tony Pope, Chairman; Ms. Edena Sanders, Secretary; Ms. Gloria O. Crank, Board Member; Mr. Phillip A. Thompson-King, Director; Mr. Joel Manning, Financial Analyst; Mr. Tony Young; Ms. Devon Beaty, Pretreatment Coordinator; Mr. Michael Hunter; Mr. Arthur Gaston, Attorney; and Mr. Porter Rivers of AECOM. Notification of this meeting was given in the Chester News and Reporter, posted on the CWD/CWR website, and on the bulletin board at the Administrative Office.

Invocation -- Chairman Tony Pope

Pledge of Allegiance:

The minutes from the July 17, 2018 meeting were approved. Motion to approve the minutes was made by Edena Sanders. Second by Gloria Crank, and unanimously approved.

Chairman Tony Pope called for Old Business:

Lando/Manetta and
Rocky Creek Mr. Phillip Thompson-King presented reports for July 2018 activities. A copy of the report is attached to the minutes.

Sandy River Update Mr. Tony Young presented reports for July 2018 activities. A copy of the report is attached to the minutes.

Industrial Pretreatment Ms. Devon Beaty presented reports for July 2018 activities. A copy Report of the report is attached to the minutes.

Maintenance Report Mr. Michael Hunter presented reports for July 2018 activities. A copy of the report is attached to the minutes.

Project Updates Mr. Phillip A. Thompson-King presented reports for July 2018 activities. A copy of the Project & Director's Update Report is attached to the minutes.

Chairman Tony Pope called for New Business:

Mr. Phillip A. Thompson-King asked for a motion to amend the agenda and add "Purchase of New Jet Truck"

Motion to amend the agenda was made by Ms. Edena Sanders, second by Ms. Gloria Crank and unanimously agreed.

Purchase of New Jet Truck:

Motion to authorize the purchase of a new jet truck at a maximum expenditure of $125,000 was made by Ms. Edena Sanders, second by Ms. Gloria Crank and unanimously agreed. A copy of the quote from Jet-Vac Equipment Company is attached to the minutes.

New CWR Rate Structure:

A motion to approve the Proposed New CWR Rate Structure was made by Ms. Gloria Crank, second by Ms. Edena Sanders and unanimously approved. A copy of the New CWR Rate Structure is attached to the minutes. Raftelis Financial Consultants Proposal

A motion to approve the Raftelis Financial Consultants Proposal was made by Ms. Gloria Crank, second by Ms. Edena Sanders and unanimously approved. A copy of the Raftelis Financial Consultants Proposal is attached to the minutes.

Chairman Tony Pope called for the reports:

Financial Report Mr. Joel Manning presented the report for July 2018. A copy of the report is attached to the minutes.

Executive Session:

Chairman Tony Pope asked for a motion to go in to Executive Session.

The motion to go in to Executive Session was made by Ms. Edena Sanders, seconded by Ms. Gloria Crank, and unanimously agreed.

Please note that during the Executive Session there was no action taken.

Chairman Tony Pope asked for a motion to continue to pursue EDA funding to up-fit the Sandy River Wastewater Plant. The motion to continue to pursue EDA funding to up-fit the Sandy River Wastewater plant was made by Ms. Edena Sanders, second by Ms. Gloria Crank and unanimously agreed.

Chairman Tony Pope asked for a motion to accept the Memorandum of Understanding submitted by the Town of Fort Lawn.

The motion to approve the Memorandum of Understanding submitted by the Town of Fort Lawn was made by Ms. Gloria Sanders, second by Ms. Edena Crank and unanimously agreed. The Memorandum of Understanding was duly signed by Chairman Tony Pope and Secretary Edena Sanders.

Chairman Tony Pope asked for a motion to accept the bid for a new security system for the CWR offices submitted by Stephenson Electric at a cost not to exceed $3,200.

The motion to accept the Stephenson Electric bid for a new security system was made by Ms. Gloria Crank, second by Ms Edena Sanders and unanimously agreed. With there being no further business to discuss, Chairman Tony Pope asked for a motion to Adjourn.

Adjourn:
Motion to adjourn was made by Ms. Edena Sanders, seconded by Ms. Gloria Crank, and unanimously agreed.

Approved: Respectfully Submitted:

Date: October 16, 2018 By:

Attachments to minutes:

1. Operations Summary of the Lando-Manetta WWTP and Rocky Creek WWTP
2. Sandy River Update
3. Industrial Pretreatment Report
4. Maintenance Work Report
5. Projects and Director's Updates
6. Jet-Vac Quote
7. Proposed New Rate Structure

7A. Cost of Service and Rate Structure Study

8. Raftelis Financial Consultants Proposal
9. Financial Report

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Operations Summary of the Lando-Manetta WWTP and Rocky Creek WWTP

Overall the plant is operating well and currently meeting all NPDES requirements. The monthly toxicity sampling event for August 2018 is currently underway and results from Water Systems Inc. are forthcoming.

Maintenance Highlights

- Completed the project of replacing diffusers in the digester and are working very well
- Hauled 4 loads (26,800 gallons)of sludge to the Rocky Creek drying beds

Administrative

- SCDHEC Laboratory inspection was held on July 18, 2018 for recertification purposes

Rocky Creek WWTP

Overall the plant has been operating well and is currently meeting all NPDES requirements. The toxicity sampling event for August 2018 yielded results of 0% inhibition, which is a good solid pass.

Maintenance Highlights

- Routine wash down of clarifiers and cascade
- Maintenance department installed new influent pump motor
- Wasted 100,000 gallons
- Applied sludge to one drying bed

Administrative

- SCDHEC Laboratory inspection was held on July 9, 2018 for recertification purposes
- Attended CWR personnel meeting at the Front Porch restraint
- Attended the quarterly WEASC Catawba District meeting at the Catawba River Water Supply project, Lancaster
- Attended Hwy. 9 sewer line construction progress meeting
- Attended CWR staff meeting
- Attended WEASC Catawba District Executive Committee Meeting
- Attended WEASC/SCDHEC Laboratory Update in Columbia
- Reviewed applications/resumes for Rocky Creek's operator vacancy.

Attachment 1.

August 29, 2018

Memorandum

To: Phillip A. Thompson-King

From: Tony Young

Subject: Monthly Report Sandy River

Sandy River plant overall is operating well.

The following a listing of completed tasks for July 2018:

- Performed daily and weekly sampling
- Performed routine maintenance
- Wasted 117,282 gallons sludge
- Dewatered 165,261 gallons dewatered
- Attended process safety management training
- Plant Personnel attended Catawba dist. Meeting
- We worked on and repaired sampler
- We cut fields at plant with bush hog
- Recently, we completed sampling for permit renewal

Attachment 2.

Board of Commissioners
August 2018 Update:
Industrial Pretreatment

Economic Development

Assisted with responding to several industrial economic development responses.

Training:

Nothing to report

Compliance:

Pretreatment Semi-Annual Report was submitted to SC DHEC

Meeting with Roseburg concerning their Non-Domestic Waste Survey, July 18th

Participated in Lower Catawba Conference Call

Meeting with Roseburg to review draft permit, July 31st

Compliance Meeting with Carolina Poly August 1st

Conference Call with Footprints August 2nd.

Meeting with Roseburg Construction Manager August 8th

Hwy 9 Construction Meeting

Conducted Pretreatment Inspections at Allvac, Sunfiber, and Coatex

Assisted with DMRs responses for July for Rocky Creek and Sandy River

FOG (Fats, Oils, Greases)

Conducted 32 grease trap inspections with Maintenance Department

Other

Participated in three (3) staff meetings

Several calls with Metering and Communications contractors

Participated in interview process for Executive Administrative Assistant

Assisted with getting Security System quotes for front of building.

Assisted with Industrial Meeting and Public Hearing Regarding Rate Restructure

Attachment 3.

CHESTER COUNTY WASTEWATER RECOVERY
MAINTENANCE WORK REPORT
FY 2018-2019

Month of July 2018

Line Maintenance		JULY 2018	AUG 2017	SEPT 2017	OCT 2017	NOV 2017	DEC 2017	JAN 2018	FEB 2018	MAR 2018	APR 2018	MAY 2018	JUN 2018	Total to Date	Average
Check for Problem	HOURS	18.0	65.0	12.0	24.0	7.0	12.0	85.0	17.0	28.0	12.0	14.0	27.0	321.0	26.8
	TIMES	4.0	32.0	2.0	3.0	2.0	4.0	24.0	5.0	7.0	2.0	7.0	7.0	99.0	8.3
Check Service	HOURS	13.0	48.0	14.0	15.0	12.0	24.0	17.0	19.0	7.0	20.0	6.0	8.0	203.0	16.9
	TIMES	5.0	12.0	2.0	2.0	3.0	5.0	4.0	12.0	3.0	2.0	1.0	2.0	53.0	4.4
Rod Service	HOURS	25.0	48.0	160.0	18.0	129.0	55.0	96.0	17.0	105.0	43.0	67.0	80.0	843.0	70.3
	TIMES	5.0	8.0	4.0	3.0	22.0	12.0	16.0	10.0	19.0	6.0	8.0	14.0	127.0	10.6
Replace Service	HOURS	27.0	0.0	0.0	10.0	0.0	8.0	8.0	130.0	0.0	0.0	0.0	0.0	183.0	15.3
	TIMES	2.0	0.0	0.0	1.0	0.0	2.0	2.0	10.0	0.0	0.0	0.0	0.0	17.0	1.4
Repair Service	HOURS	30.0	45.0	24.0	15.0	71.0	55.0	28.0	22.0	47.0	0.0	20.0	32.0	389.0	32.4
	TIMES	4.0	6.0	3.0	5.0	3.0	4.0	6.0	16.0	4.0	0.0	1.0	4.0	56.0	4.7
Install Clean-Out	HOURS	32.0	0.0	6.0	18.0	0.0	12.0	25.0	22.0	56.0	0.0	0.0	0.0	171.0	14.3
	TIMES	2.0	0.0	14.0	3.0	0.0	4.0	4.0	1.0	2.0	0.0	0.0	0.0	30.0	2.5
Locate Service	HOURS	2.0	40.0	12.0	18.0	0.0	40.0	40.0	23.0	4.0	2.0	0.0	6.0	187.0	15.6
	TIMES	1.0	24.0	4.0	12.0	0.0	12.0	28.0	7.0	1.0	1.0	0.0	1.0	91.0	7.6
Check Main	HOURS	2.0	0.0	12.0	24.0	6.0	8.0	60.0	54.0	5.0	10.0	100.0	0.0	281.0	23.4
	TIMES	1.0	0.0	12.0	4.0	1.0	12.0	20.0	12.0	1.0	1.0	1.0	0.0	65.0	5.4
Rod Main	HOURS	79.0	147.0	6.0	18.0	27.0	60.0	78.0	48.0	66.0	92.0	75.0	61.0	757.0	63.1
	TIMES	7.0	9.0	5.0	2.0	3.0	20.0	8.0	7.0	6.0	6.0	5.0	4.0	82.0	6.8
Repair Main	HOURS	27.0	118.0	44.0	60.0	15.0	40.0	40.0	58.0	52.0	0.0	32.0	0.0	486.0	40.5
	TIMES	1.0	3.0	3.0	8.0	1.0	8.0	6.0	8.0	2.0	0.0	2.0	0.0	42.0	3.5
Manhole Work	HOURS	21.0	28.0	10.0	40.0	50.0	6.0	40.0	15.0	31.0	23.0	0.0	24.0	288.0	24.0
	TIMES	3.0	2.0	3.0	5.0	5.0	2.0	3.0	8.0	4.0	2.0	0.0	5.0	42.0	3.5
Road Work	HOURS	46.0	51.0	94.0	8.0	4.0	8.0	4.0	40.0	47.0	5.0	0.0	13.0	320.0	26.7
	TIMES	3.0	10.0	6.0	1.0	1.0	1.0	16.0	1.0	3.0	1.0	0.0	5.0	48.0	4.0
Landscape Work Area	HOURS	8.0	0.0	0.0	8.0	0.0	2.0	16.0	4.0	3.0	8.0	0.0	0.0	49.0	4.1
	TIMES	2.0	0.0	0.0	3.0	0.0	2.0	3.0	1.0	1.0	1.0	0.0	0.0	13.0	1.1
Cut Right-of-Way	HOURS	0.0	0.0	139.5	96.0	123.0	40.0	10.0	1.0	0.0	0.0	54.0	12.0	475.5	39.6
	TIMES	0.0	0.0	5.0	12.0	4.0	6.0	1.0	8.0	0.0	0.0	2.0	1.0	39.0	3.3
Other	HOURS	32.0	24.0	0.0	4.0	10.0	10.0	36.0	24.0	101.0	81.0	100.0	8.0	430.0	35.8
	TIMES	5.0	1.0	0.0	2.0	1.0	1.0	4.0	6.0	5.0	4.0	10.0	2.0	41.0	3.4
Total Hours		362.0	614.0	533.5	376.0	454.0	380.0	583.0	494.0	552.0	296.0	468.0	271.0	5383.5	448.6
Total Times		45.0	107.0	63.0	66.0	46.0	95.0	145.0	112.0	58.0	26.0	37.0	45.0	845.0	70.4

Attachment 4.

CHESTER COUNTY WASTEWATER RECOVERY
MAINTENANCE WORK REPORT
FY 2018-2019

Month of July 2018

Pump Station Maintenance		JULY 2018	AUG 2017	SEPT 2017	OCT 2017	NOV 2016	DEC 2016	JAN 2018	FEB 2018	MAR 2018	APR 2018	MAY 2018	JUN 2018	Total to Date	Average
Check Chester Station	HOURS	18.0	36.0	36.0	36.0	36.0	60.0	50.0	40.0	42.0	32.0	40.0	32.0	458.0	38.2
	TIMES	2.0	3.0	3.0	4.0	4.0	4.0	4.0	5.0	3.0	2.0	4.0	4.0	42.0	3.5
Check Richburg Station	HOURS	18.0	72.0	36.0	37.0	8.0	64.0	40.0	27.0	34.0	22.0	48.0	26.0	432.0	36.0
	TIMES	2.0	6.0	3.0	4.0	1.0	5.0	4.0	5.0	3.0	2.0	4.0	3.0	42.0	3.5
Service Pumps	HOURS	24.0	12.0	0.0	3.0	0.0	0.0	42.0	110.0	0.0	0.0	177.0	26.0	394.0	32.8
	TIMES	1.0	1.0	0.0	1.0	0.0	0.0	4.0	8.0	0.0	0.0	6.0	2.0	23.0	1.9
Service Controls	HOURS	12.0	0.0	0.0	0.0	0.0	11.0	14.0	12.0	0.0	0.0	6.0	132.0	187.0	15.6
	TIMES	1.0	0.0	0.0	0.0	0.0	3.0	3.0	4.0	0.0	0.0	1.0	7.0	19.0	1.6
Other	HOURS	10.0	112.0	57.0	72.0	47.0	14.0	44.0	15.0	43.0	10.0	49.0	65.0	538.0	44.8
	TIMES	2.0	8.0	5.0	8.0	4.0	4.0	5.0	3.0	7.0	1.0	5.0	16.0	68.0	5.7
Total Hours		82.0	232.0	129.0	148.0	91.0	149.0	190.0	204.0	119.0	64.0	320.0	281.0	2009.0	167.4
Total Times		8.0	18.0	11.0	17.0	9.0	16.0	20.0	25.0	13.0	5.0	20.0	32.0	194.0	16.2
Preventive Maintenance															
Smoke Test	HOURS	0.0	11.0	16.0	2.0	0.0	0.0	25.0	17.0	0.0	15.0	0.0	0.0	86.0	7.2
	TIMES	0.0	2.0	2.0	1.0	0.0	0.0	3.0	3.0	0.0	2.0	0.0	0.0	13.0	1.1
Inspect Manholes	HOURS	0.0	46.0	52.0	75.0	16.0	12.0	54.0	0.0	0.0	0.0	9.5	0.0	264.5	22.0
	TIMES	0.0	7.0	3.0	10.0	2.0	4.0	12.0	0.0	0.0	0.0	1.0	0.0	39.0	3.3
Clean Manholes	HOURS	0.0	8.0	0.0	8.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	20.0	1.7
	TIMES	0.0	1.0	0.0	1.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	4.0	0.3
Clean Mains	HOURS	41.0	76.0	22.0	40.0	41.0	37.0	80.0	50.0	86.0	15.0	77.0	0.0	565.0	47.1
	TIMES	2.0	4.0	2.0	8.0	3.0	4.0	8.0	5.0	2.0	1.0	4.0	0.0	43.0	3.6
Check Right-of-Way	HOURS	31.0	40.0	0.0	40.0	0.0	0.0	8.0	12.0	0.0	0.0	25.5	2.0	158.5	13.2
	TIMES	4.0	5.0	0.0	10.0	0.0	0.0	2.0	2.0	0.0	0.0	2.0	1.0	26.0	2.2
TV Lines	HOURS	33.0	34.0	6.0	16.0	53.0	65.0	30.0	12.0	17.0	20.0	23.0	42.0	351.0	29.3
	TIMES	4.0	8.0	1.0	2.0	5.0	7.0	6.0	24.0	2.0	2.0	2.0	4.0	67.0	5.6
Other	HOURS	15.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	4.0	22.0	1.8
	TIMES	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	0.2
Total Hours		120.0	215.0	96.0	181.0	110.0	114.0	201.0	94.0	103.0	50.0	135.0	48.0	1467.0	122.3
Total Times		11.0	27.0	8.0	32.0	10.0	15.0	33.0	34.0	4.0	5.0	9.0	6.0	194.0	16.2
New Taps															
Residential	HOURS	0.0	0.0	0.0	0.0	0.0	0.0	15.0	0.0	0.0	36.0	0.0	0.0	51.0	4.3
	TIMES	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	1.0	0.0	0.0	3.0	0.3
Commercial	HOURS	0.0	42.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.0	4.2
	TIMES	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.2
Other	HOURS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	TIMES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Hours		0.0	42.0	8.0	0.0	0.0	0.0	15.0	0.0	0.0	36.0	0.0	0.0	101.0	8.4
Total Times		0.0	1.0	1.0	0.0	0.0	0.0	2.0	0.0	0.0	1.0	0.0	0.0	5.0	0.4

CHESTER COUNTY WASTEWATER RECOVERY
MAINTENANCE WORK REPORT
FY 2018-2019

Month of July 2018

Shop Maintenance		JULY 2018	AUG 2017	SEPT 2017	OCT 2017	NOV 2017	DEC 2017	JAN 2018	FEB 2018	MAR 2018	APR 2018	MAY 2018	JUN 2018	Total to Date	Average
Clean Trucks	HOURS	15.0	16.0	0.0	8.0	16.0	16.0	8.0	4.0	4.0	18.0	0.0	11.0	116.0	9.7
	TIMES	10.0	5.0	0.0	1.0	3.0	5.0	3.0	5.0	2.0	4.0	0.0	6.0	44.0	3.7
Check Equipment	HOURS	5.0	0.0	4.0	24.0	10.0	15.0	6.0	13.0	2.0	12.0	0.0	0.0	91.0	7.6
	TIMES	3.0	0.0	1.0	4.0	1.0	3.0	2.0	2.0	1.0	2.0	0.0	0.0	19.0	1.6
Service Equipment	HOURS	21.0	24.0	29.0	20.0	21.0	41.0	16.0	5.0	56.0	76.0	15.0	44.0	368.0	30.7
	TIMES	4.0	2.0	4.0	3.0	4.0	7.0	3.0	4.0	6.0	5.0	4.0	7.0	53.0	4.4
Grounds Maintenance	HOURS	7.0	40.0	134.0	8.0	10.0	21.0	4.0	3.0	2.0	0.0	36.0	0.0	265.0	22.1
	TIMES	2.0	2.0	5.0	1.0	3.0	4.0	1.0	1.0	1.0	0.0	3.0	0.0	23.0	1.9
Stock Supplies	HOURS	6.0	4.0	4.0	2.0	10.0	0.0	10.0	10.0	0.0	5.0	0.0	1.0	52.0	4.3
	TIMES	1.0	1.0	1.0	1.0	2.0	0.0	1.0	1.0	0.0	1.0	0.0	1.0	10.0	0.8
Re-Stock Trucks	HOURS	10.0	8.0	0.0	4.0	18.0	8.0	9.0	6.0	3.0	11.0	9.0	4.0	90.0	7.5
	TIMES	5.0	2.0	0.0	4.0	4.0	4.0	3.0	3.0	1.0	4.0	2.0	3.0	35.0	2.9
Haul Spoil Dirt	HOURS	12.0	28.0	0.0	1.0	0.0	0.0	0.0	1.0	20.0	40.0	0.0	33.0	135.0	11.3
	TIMES	2.0	2.0	0.0	1.0	0.0	0.0	0.0	8.0	1.0	1.0	0.0	3.0	18.0	1.5
Check Alarm	HOURS	4.0	4.0	0.0	4.0	0.0	2.0	6.0	3.0	4.0	0.0	0.0	10.0	37.0	3.1
	TIMES	2.0	2.0	0.0	2.0	0.0	1.0	3.0	5.0	2.0	0.0	0.0	5.0	22.0	1.8
Other	HOURS	16.0	18.0	20.0	3.0	16.0	13.0	32.0	8.0	2.0	52.0	0.0	6.0	186.0	15.5
	TIMES	6.0	2.0	3.0	6.0	1.0	5.0	2.0	1.0	1.0	5.0	0.0	3.0	35.0	2.9
Total Hours		96.0	142.0	191.0	74.0	101.0	116.0	91.0	53.0	93.0	214.0	60.0	109.0	1340.0	111.7
Total Times		35.0	18.0	14.0	23.0	18.0	29.0	18.0	30.0	15.0	22.0	9.0	28.0	259.0	21.6
Inspections															
New Services	HOURS	0.0	0.0	0.0	0.0	0.0	4.0	0.0	20.0	0.0	0.0	5.0	0.0	29.0	2.4
	TIMES	0.0	0.0	0.0	0.0	0.0	1.0	0.0	2.0	0.0	0.0	1.0	0.0	4.0	0.3
Repair Existing Service	HOURS	0.0	0.0	0.0	40.0	0.0	0.0	4.0	70.0	0.0	0.0	0.0	0.0	114.0	9.5
	TIMES	0.0	0.0	0.0	5.0	0.0	0.0	1.0	14.0	0.0	0.0	0.0	0.0	20.0	1.7
New Construction	HOURS	10.0	0.0	12.0	0.0	55.0	0.0	10.0	10.0	46.0	22.0	22.0	0.0	187.0	15.6
	TIMES	2.0	0.0	1.0	0.0	7.0	0.0	2.0	5.0	9.0	6.0	2.0	0.0	34.0	2.8
Rehab Existing	HOURS	0.0	0.0	0.0	60.0	0.0	0.0	0.0	70.0	0.0	0.0	0.0	0.0	130.0	10.8
	TIMES	0.0	0.0	0.0	10.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	20.0	1.7
Other-Grease traps	HOURS	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.3
	TIMES	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.1
Total Hours		10.0	4.0	12.0	100.0	55.0	4.0	14.0	170.0	46.0	22.0	27.0	0.0	464.0	38.7
Total Times		2.0	1.0	1.0	15.0	7.0	1.0	3.0	31.0	9.0	6.0	3.0	0.0	79.0	6.6

CHESTER COUNTY WASTEWATER RECOVERY
MAINTENANCE WORK REPORT
FY 2018-2019

Month of July 2018

Plant Maintenance		JULY 2018	AUG 2017	SEPT 2017	OCT 2017	NOV 2017	DEC 2017	JAN 2018	FEB 2018	MAR 2018	APR 2018	MAY 2018	JUN 2018	Total to Date	Average
Clean Drying Beds	HOURS	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	0.0	0.0	0.0	0.0	3.0	0.3
	TIMES	0.0	0.0	0.0	0.0	0.0	0.0	1.0	4.0	0.0	0.0	0.0	0.0	5.0	0.4
Load Sludge	HOURS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	TIMES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other	HOURS	48.0	26.0	34.0	12.0	19.0	10.0	5.0	20.0	83.0	56.0	41.0	19.0	373.0	31.1
	TIMES	4.0	2.0	2.0	3.0	2.0	2.0	2.0	3.0	4.0	2.0	4.0	3.0	33.0	2.8
Total Hours		48.0	26.0	34.0	32.0	19.0	10.0	6.0	22.0	83.0	56.0	41.0	19.0	396.0	33.0
Total Times		4.0	2.0	2.0	4.0	2.0	2.0	3.0	7.0	4.0	2.0	4.0	3.0	39.0	3.3
Line Locations															
Locate for Utilities	HOURS	0.0	11.0	31.0	12.0	19.0	45.0	0.0	1.0	0.0	0.0	1.0	6.0	126.0	10.5
	TIMES	0.0	2.0	5.0	3.0	5.0	25.0	0.0	1.0	0.0	0.0	1.0	2.0	44.0	3.7
Locate for Contractors	HOURS	0.0	0.0	0.0	45.0	30.0	23.0	0.0	5.0	0.0	0.0	0.0	0.0	103.0	8.6
	TIMES	0.0	0.0	0.0	12.0	5.0	7.0	0.0	2.0	0.0	0.0	0.0	0.0	26.0	2.2
Other	HOURS	36.0	0.0	0.0	0.0	0.0	5.0	30.0	27.0	72.0	38.0	17.0	51.0	276.0	23.0
	TIMES	3.0	0.0	0.0	0.0	0.0	10.0	6.0	7.0	16.0	7.0	4.0	11.0	64.0	5.3
Total Hours		36.0	11.0	31.0	57.0	49.0	73.0	30.0	33.0	72.0	38.0	18.0	57.0	505.0	42.1
Total Times		3.0	2.0	5.0	15.0	10.0	42.0	6.0	10.0	16.0	7.0	5.0	13.0	134.0	11.2
Non-Category-training	HOURS	22.0	0.0	23.5	115.0	109.0	17.0	4.0	4.0	29.0	60.0	30.0	23.0	436.5	36.4
	TIMES	7.0	0.0	4.0	11.0	12.0	4.0	1.0	2.0	4.0	4.0	3.0	5.0	57.0	4.8
Lost Time															
Sick Days	HOURS	40.0	56.0	12.0	24.0	16.0	16.0	24.0	24.0	48.0	32.0	16.0	64.0	372.0	31.0
	TIMES	5.0	8.0	2.0	3.0	3.0	2.0	3.0	3.0	7.0	5.0	2.0	8.0	51.0	4.3
Vacations	HOURS	56.0	160.0	56.0	72.0	48.0	168.0	32.0	24.0	72.0	80.0	104.0	136.0	1008.0	84.0
	TIMES	7.0	20.0	7.0	9.0	6.0	21.0	4.0	3.0	9.0	10.0	13.0	17.0	126.0	10.5
Holidays	HOURS	48.0	0.0	48.0	0.0	144.0	144.0	96.0	0.0	0.0	48.0	48.0	0.0	576.0	48.0
	TIMES	6.0	0.0	6.0	0.0	18.0	18.0	12.0	0.0	0.0	6.0	6.0	0.0	72.0	6.0
Time Off	HOURS	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	8.0	0.0	0.0	8.0	0.7
	TIMES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	1.0	0.1
On-Job Accidents	HOURS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0	0.0	0.0	48.0	64.0	5.3
	TIMES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	6.0	8.0	0.7
Total Hours		144.0	216.0	116.0	96.0	208.0	328.0	152.0	48.0	136.0	168.0	168.0	248.0	1444.0	120.3
Total Times		18.0	28.0	15.0	12.0	27.0	41.0	19.0	6.0	18.0	22.0	21.0	31.0	185.0	15.4
Overtime Worked	HOURS	76.0	127.0	95.0	44.0	99.0	90.0	110.0	128.0	96.0	100.0	147.0	67.0	383.0	31.9
	TIMES	40.0	94.0	77.0	39.0	56.0	54.0	64.0	69.0	70.0	58.0	72.0	27.0	584.0	48.7

CWR

CHESTER COUNTY WASTEWATER RECOVERY

Board of Commissioners'

August 2018 Projects & Director's Update

Attachment 5.

Project Update Notes

Rocky Creek Wastewater Collection System / Carolina Poly / Lancaster Highway (#9) Project

Rocky Creek Wastewater Collection System / Lancaster Highway (#9) Project

1. Schedule and Construction Update:

A. Schedule Update

- **i.** As of 7-26- 2018, By linear footage in the ground - 12,958 in / 26,954 Total = 48% complete;
- **ii.** By Pay Request Dollars - $2,448,688.00 complete / $5,599,403 Total = 43% complete; and
- **iii.** By days of contract – 192 days in / 270 days total = 71% of contract time.

B. Dellinger provided an updated schedule indicating the project would extend through October. Much of this time delay was due to the time spent coring rock. At the time of the meeting, the core had progressed to about 34' of the assumed 60' total. Dellinger is speaking to a third boring crew to help speed the process up on the smaller bores. Also, there is a potential delay pending discussions with SCDHEC on the blasting within SCDOT Right of Way.

C. Per the schedule now, everything can be finished by the beginning of October, except for Lines C & D. These lines will be constructed at the completion of the coring as discussed in B above.

D. Dellinger had spoken to Darby to install the well at the pump station.

E. Dellinger requested to be able to blast within the Highway 9 Right of Way. At the end of the construction meeting, the team (CWR, AECOM, and Dellinger) called the SCDOT to discuss. SCDOT indicated that they would need to have a better comfort level on the safety of blasting within the SCDOT Right of Way. On August 10, AECOM received a phone call from Allison Love and David Gamble (SCDOT) requesting the following:

- **i.** Traffic control plan

ii. Safety and contingency plan
iii. A licensed, bonded, and insured blasting agency
iv. 3rd party pre and post survey of existing infrastructure (median, catch basins, crosslines, etc.)
v. Blasting plan

Other options that have been explored, such as, rotating crews on jackhammer for 24-hour operations

AECOM and Dellinger will provide a response to the aforementioned questions and follow up with the project team.

2. **Record Drawings:** Dellinger reported that field records of construction are up to date.

3. **Pay Request:** Pay Request No. 6 – was submitted for approval. AECOM verified the pay items in the field prior to the meeting, and the pay request appeared to be accurate and up to date.

4. **Other items** – CWR, AECOM, and Dellinger has to follow up with the SCDOT as discussed regarding Blasting Plans. Finally, we have worked with the Gas Authority concerning the logistics associated with the gas line at the end of the casing under the railroad.

City of Chester

No activity to report.

One Cent ($0.01) Local Option Sales Tax

No activity to report.

FEMA / Lando-Manetta Expansion / Gaston Farm Pump Station

We received the final $77,000.00 disbursement from FEMA, and endeavor to officially close the project.

Lower Catawba River Basin (LOWCARB) Dischargers Stakeholder Group

We participated in a conference call, and a meeting was held with SC DHEC and the North Carolina Environmental Group. At the meeting with SC DHEC, the North Carolina Environmental Group discussed the High Rock Lake example. Also, discussed was the fact that various nationwide precedents for water body-specific nutrient criteria exist and there are several methods available for South Carolina to consider.

Community Development Block Grant (CDBG) Roundtree Pump Station

We (Mr. Hunter and I) met with a member of AECOM at the site to perform soil and environmental work. I also signed an associated performance agreement and submitted it to the COG.

Miscellaneous Notes

- We are continuing to work with the Chester County Gas Authority concerning right-of-way sharing;
- We held a meeting with CMD and Raftelis Financial Consultants concerning the proposed new Rate Schedule and the logistics associated with this endeavor;
- Mr. Hunter, AECOM, and I held a meeting with Roseburg Design Engineers and Construction Manager on August 9th to work-out the logistics associated with their service and tie into our system;
- We met with a Developer concerning the location of wastewater infrastructure and capacity;
- South Carolina Rural Water Association (SCRWA) has requested designation of a Voting Delegate; and
- We replied to various economic development inquires.

CWR
CHESTER COUNTY WASTEWATER RECOVERY

Chester Sewer District
Year-to-Date Budget to Actual Comparison
Month Ended July 31, 2018

	Annual Budget	YTD Budget	MTD Actual	YTD Actual	Variance Over / (Under)
REVENUE					
Wastewater treatement Services	$ 4,841,968	403,497	350,777	350,777	$ (52,720)
Pretreatment Charges	31,039	2,587	5,417	5,417	2,830
Other Income	-	-	-	-	-
Interest Income	-	-	1,636	1,636	1,636
Capital Projects	143,478	11,957	11,743	11,743	(214)
Total Revenue	$ 5,016,485	418,040	369,573	369,573	$ (48,467)
EXPENSE					
Administration	$ 1,062,700	88,558	42,283	42,283	$ (46,275)
Maintenance	1,022,000	85,167	57,291	57,291	(27,876)
Lando Plant	289,700	24,142	19,098	19,098	(5,044)
Sandy River	602,900	50,242	39,193	39,193	(11,049)
Rocky Creek	732,500	61,042	59,758	59,758	(1,284)
Pretreatment	185,600	15,467	12,165	12,165	(3,302)
Debt Service	606,100	50,508	18,864	18,864	(31,644)
Capital Expenditures	395,000	32,917	-	-	(32,917)
Depreciation Fund	119,985	9,999	24,656	24,656	14,657
Total Expense	$ 5,016,485	418,040	273,308	273,308	$ (144,732)
Increase / (Decrease) of Revenue over Expenses			96,265	96,265	
Grant Revenue - RIA			64,816	64,816	
			-	-	
				-	
Total Surplus(deficit)			**161,081**	**161,081**	

Attachment 9.