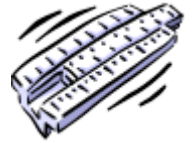


***PUBLIC WORKS DEPARTMENT
Monthly Report***

***Kevin D. Blayton, PE
Director***



***ENGINEERING DIVISION
Travis Dupree, PE
Engineering Manager***



***SANITATION DIVISION
Lent Williams, Superintendent***



***STREET & DRAINAGE DIVISION
Robert Turner, Superintendent***



***UTILITY DIVISION
Ralph Norris, Superintendent***



May 2017

Public Works Department

Monthly Statistics

	2017	2016
Water Supply & Demand – March		
• Monthly Avg. Day System	4.5 MGD	3.3 MGD
• Average Day Measured**	2.6 MGD	3.1 MGD
• Monthly Total System Water	139,905,800 Gallons	102,967,600 Gallons
• Billed Water**	78,314,000 Gallons	94,642,000 Gallons
Wastewater Collection & Treatment - March		
• Monthly Average Daily Flow	3.3 MGD	3.9 MGD
• Monthly Peak Daily Flow	5.6 MGD	6.1 MGD
• Total Metered Flow**	2.2 MGD	2.6 MGD
• Billed Usage**	67,165,000 Gallons	79,220,000 Gallons
• Unbilled Usage**	483,000 Gallons	544,000 Gallons
Solid Waste Collection & Disposal – March		
• Volume		
○ MSW	951 Tons	1,017 Tons
○ Yard Waste	402 Tons	537 Tons
○ Recycled (Includes E-Waste)	161 Tons	186 Tons
○ C & D	90 Tons	89 Tons
○ Total Pick-up/Disposal	1,604 Tons	1,829 Tons
• Recycling %	16.9%	18.3%
• Landfill Disposal Cost	\$40,329	\$42,123

**Includes portion of current month and prior month based on meter reading schedule

Departmental Notes – May 2017

- *Capital Project Update attached*
- *CCU Ocean Monitoring Report – March*
- *11th Avenue North Widening Bid Date May 17*
- *Beach Renourishment Bid Date May 19*
- *Monthly Beach Inspection Report Attached*

Public Works Department Capital Improvement Project Update

Water and Sewer System Improvements

Description	Location	Engineer / Contractor	Funding Source / Cost	Status	Progress & Goal
Water System Improvements - CG	East Cherry Grove	Dupree	Impact	Design 100%	Bid June 2017
		City Force/TBD	\$1,500,000		
Sewer System Improvements - OD	Ocean Drive – Tilghman Section	Dupree	Impact	Construction 0%	Begin construction May 2017
		RH Moore	\$2,750,000		
South Ocean Boulevard Water/Sewer Crescent Beach	17 th Avenue South to 28 th Avenue South	DDC	Impact	Construction 50%	Continue Construction
		RH Moore	\$2,000,000		
AIWW Retaining Wall	Ocean Drive WWTP	Dupree	WWTP	Construction 5%	Continue Construction
		Greenwall	\$1,435,000		
Riverside Drive Water	Riverside Dr. LRN Rd. to end	Dupree	Impact	Construction 20%	Continue Construction
		City Force	\$175,000		
Riverside Drive Sewer	Riverside Dr. LRN Rd. to end	Dupree	\$175,000	Design 10%	Design Sewer
		TBD			
Water Tank Barefoot BPS	Bridge Road @ Windy Hill Ext.	TBD	Impact	Preliminary Design	Select Consultant
		TBD	TBD		
North Transmission Water Line	Vereen Road	TBD	Impact	Preliminary Design	Select Consultant
		TBD	TBD		
Sewer Force Main Replacement	Cherry Grove	Dupree	Impact	Preliminary Design	Select Surveyor
		TBD	TBD		

Storm Drainage System Improvements

Description	Location	Engineer / Contractor	Funding Source / Cost	Status	Progress & Goal
Priority Group 2 Drainage System Improvements	Various	Dupree	Stormwater	Preliminary Design	Field Survey
		TBD	\$700,000		
Priority Group 1 Drainage System Improvements	LRNR – Magnolia Drive Pond 11 th Avenue North – Bellamy Rd 5 th Avenue South to 6 th Avenue South Pine Street	Dupree	Stormwater	Design 100% Complete	Bid Opening June 2017
		TBD	\$700,000		
18 th Avenue North Ocean Outfall	Ocean Drive	DDC	Stormwater	Preliminary Design	Request Permit Extension January 2018
		TBD	TBD		

Beach Improvements

Description	Location	Engineer / Contractor	Funding Source / Cost	Status	Progress & Goal
Beach Access Handicap Boardwalks	3 rd Ave S 60 th Ave N 33 rd Ave S – Replace Handrail	Thompson	Street Improvement	Construction – 100%	Complete
		TBD	\$100,000		
FY 2018 Beach Access	TBD	Thompson	Street Improvement	Preliminary Design	Site Selection
		TBD	\$100,000		
Beach Renourishment	All	USACE	Beach	Design Complete	Bid May 19
		TBD	TBD		

Street Improvements

Description	Location	Engineer / Contractor	Funding Source / Cost	Status	Progress & Goal
11 th Ave N Widening	11 th Ave N – Hwy 17 to Golfview Drive	Stantec	Developer/Street Improvement/CTC	Design Complete	Bid May 17, 2017
		TBD	\$2,750,000		
South Ocean Blvd Widening Crescent Beach	17 th Ave S to 28 th Ave S	Stantec	SCDOT - GSATS	Design - 95%	Bid June 2017
		TBD	\$3,500,000		
South Ocean Boulevard ECT Crescent Beach	17 th Avenue South to 28 th Avenue South	DDC	Franchise	Construction – 35%	Continue Construction
		RH Moore	\$8,000,000		
Highway 17 Intersections Windy Hill	Ocean Creek to Barefoot Resort Bridge Rd.	SCDOT - STV	SCDOT - GSATS	Construction	Continue Construction
		Palmetto	\$3,329,000		
Highway 17 ECT Windy Hill	Ocean Creek to WH Rd. Ext.	DDC	Franchise Fund	Construction - 95%	Pull wire set equipment remove poles
		Greenwall Construction	\$5,800,000		
NOB ECT Cherry Grove	Sea Mountain Hwy to 29 th Ave North	Mead & Hunt	Franchise	Construction – 85%	Continue Construction
		Carolina Conduit	\$2,000,000		
Roadway, Sidewalk, & Paving Improvements	Various	Dupree	Street Improvement	Construction – 15%	Continue Construction
		Southern Asphalt	\$2,300,000		
Lake Avenue Boardwalk	Cherry Grove Marsh along Lake Ave. @ Burgess Preserve	Thompson	Street Improvement	Preliminary design complete	Construction deferred
		TBD	\$750,000 Estimate		

Street Improvements

Description	Location	Engineer / Contractor	Funding Source / Cost	Status	Progress & Goal
2 nd Avenue North Widening	Highway 17 at 2 nd Avenue North	Dupree	Street Improvement	Design complete.	Construction deferred, development schedule.
		TBD	\$95,000		
Eastcoast Greenway	Water Tower Road	Dupree	SCDOT - GSATS	Construction – 90%	Continue Construction
		Coastal Asphalt	\$530,000		
FY 2018 Paving	Various	Dupree	Street Improvement	Preliminary Design	Pavement Evaluation
		TBD	\$2,000,000		
NOB ECT 29 th N to 34 th N	Cherry Grove	Mead & Hunt	Franchise Fund	Design	Complete Field Survey
		TBD	\$2,000,000		



COASTAL CAROLINA UNIVERSITY

Environmental Quality Lab
Waccamaw Watershed Academy
School of Coastal and Marine Systems Science
College of Science

North Myrtle Beach - Ocean Monitoring Official Results for March 2017

Laboratory Sample ID	Field Sample or Site ID	SC DHEC Waccamaw Site ID	Sampling Site Location	Sample Collection Point	Collection Date	Collection Time	Nearest Tidal State	Nearest Tide Time	Salinity (psu)	Conductivity (uS)	Enterococci Most Probable Number (MPN/100ml)	Sample Type
E17-0449	WAC-09A	WAC-09A	White Pt. Swash	Swash confluence	3/6/2017	11:43	Low	8:45	32.7		<10	Grab
E17-0450	WAC-09	WAC-09	47th Ave. South	Street end	3/6/2017	11:55	High	14:48	33.8		10	Grab
E17-0451	WAC-08	WAC-08	33rd Ave. South	Street end and pipe discharge	3/6/2017	12:04	High	14:48	33.7		<10	Grab
E17-0452	WAC-07	WAC-07	17th Ave. South	Street end and pipe discharge	3/6/2017	12:18	High	14:48	33.7		<10	Grab
E17-0453	WAC-06	WAC-06	9th Ave. South	Street end and pipe discharge	3/6/2017	12:32	High	14:48	33.7		10	Grab
E17-0453	WAC-06	WAC-06	9th Ave. South	Street end and pipe discharge	3/6/2017	12:32	High	14:48	33.7		<10	LD
E17-0454	WAC-06	WAC-06	9th Ave. South	Street end and pipe discharge	3/6/2017	12:32	High	14:48	33.7		<10	FD
E17-0455	WAC-05A	WAC-05A	7th Ave. South	Street end and pipe discharge	3/6/2017	12:28	High	14:48	33.8		<10	Grab
E17-0456	WAC-05	WAC-05	3rd Ave. North	Street end and pipe discharge	3/6/2017	12:45	High	14:48	33.6		10	Grab
E17-0457	WAC-04	WAC-04	16th Ave. North	Street end and pipe discharge	3/6/2017	12:53	High	14:48	33.6		<10	Grab
E17-0458	WAC-03	WAC-03	30th Ave. North	Street end	3/6/2017	13:01	High	14:48	33.6		<10	Grab
E17-0459	WAC-02	WAC-02	45th Ave. North	Street end	3/6/2017	13:09	High	14:48	33.5		<10	Grab
E17-0460	WAC-01	WAC-01	59th Ave. North	Street end	3/6/2017	13:17	High	14:48	33.5		<10	Grab
E17-0492	WAC-09A	WAC-09A	White Pt. Swash	Swash confluence	3/13/2017	10:30	High	9:32	33.7		31	Grab
E17-0493	WAC-09	WAC-09	47th Ave. South	Street end	3/13/2017	10:39	High	9:32	33.8		52	Grab
E17-0494	WAC-08	WAC-08	33rd Ave. South	Street end and pipe discharge	3/13/2017	10:46	High	9:32	33.7		10	Grab
E17-0495	WAC-07	WAC-07	17th Ave. South	Street end and pipe discharge	3/13/2017	10:54	High	9:32	33.0		63	Grab
E17-0496	WAC-06	WAC-06	9th Ave. South	Street end and pipe discharge	3/13/2017	11:11	High	9:32	33.5		63	Grab
E17-0497	WAC-05A	WAC-05A	7th Ave. South	Street end and pipe discharge	3/13/2017	11:05	High	9:32	33.8		52	Grab
E17-0497	WAC-05A	WAC-05A	7th Ave. South	Street end and pipe discharge	3/13/2017	11:05	High	9:32	33.8		85	LD
E17-0498	WAC-05A	WAC-05A	7th Ave. South	Street end and pipe discharge	3/13/2017	11:05	High	9:32	33.8		84	FD
E17-0499	WAC-05	WAC-05	3rd Ave. North	Street end and pipe discharge	3/13/2017	11:20	High	9:32	33.7		97	Grab

* All enterococci results determined by IDEXX Defined Substrate Technology method using IDEXX Enterolert reagent and IDEXX Quanti-Tray and at least a 1/10 dilution.



COASTAL CAROLINA UNIVERSITY

Environmental Quality Lab
Waccamaw Watershed Academy
School of Coastal and Marine Systems Science
College of Science

North Myrtle Beach - Ocean Monitoring Official Results for March 2017

Laboratory Sample ID	Field Sample or Site ID	SC DHEC Waccamaw Site ID	Sampling Site Location	Sample Collection Point	Collection Date	Collection Time	Nearest Tidal State	Nearest Tide Time	Salinity (psu)	Conductivity (uS)	Enterococci Most Probable Number (MPN/100ml)	Sample Type
E17-0500	WAC-04	WAC-04	16th Ave. North	Street end and pipe discharge	3/13/2017	11:25	High	9:32	33.7		30	Grab
E17-0501	WAC-03	WAC-03	30th Ave. North	Street end	3/13/2017	11:35	High	9:32	33.7		85	Grab
E17-0502	WAC-02	WAC-02	45th Ave. North	Street end	3/13/2017	11:40	High	9:32	33.6		20	Grab
E17-0503	WAC-01	WAC-01	59th Ave. North	Street end	3/13/2017	11:48	High	9:32	33.7		<10	Grab
E17-0539	WAC-09A	WAC-09A	White Pt. Swash	Swash confluence	3/20/2017	11:38	High	14:25	33.4		20	Grab
E17-0540	WAC-09	WAC-09	47th Ave. South	Street end	3/20/2017	11:50	High	14:25	33.9		20	Grab
E17-0541	WAC-08	WAC-08	33rd Ave. South	Street end and pipe discharge	3/20/2017	12:00	High	14:25	34.0		10	Grab
E17-0542	WAC-07	WAC-07	17th Ave. South	Street end and pipe discharge	3/20/2017	12:12	High	14:25	33.9		10	Grab
E17-0543	WAC-06	WAC-06	9th Ave. South	Street end and pipe discharge	3/20/2017	12:28	High	14:25	34.0		<10	Grab
E17-0544	WAC-05A	WAC-05A	7th Ave. South	Street end and pipe discharge	3/20/2017	12:23	High	14:25	34.0		10	Grab
E17-0545	WAC-05	WAC-05	3rd Ave. North	Street end and pipe discharge	3/20/2017	12:38	High	14:25	34.0		<10	Grab
E17-0545	WAC-05	WAC-05	3rd Ave. North	Street end and pipe discharge	3/20/2017	12:38	High	14:25	34.0		10	LD
E17-0546	WAC-05	WAC-05	3rd Ave. North	Street end and pipe discharge	3/20/2017	12:38	High	14:25	34.0		<10	FD
E17-0547	WAC-04	WAC-04	16th Ave. North	Street end and pipe discharge	3/20/2017	12:46	High	14:25	34.0		<10	Grab
E17-0548	WAC-03	WAC-03	30th Ave. North	Street end	3/20/2017	12:54	High	14:25	34.0		<10	Grab
E17-0549	WAC-02	WAC-02	45th Ave. North	Street end	3/20/2017	13:02	High	14:25	34.0		<10	Grab
E17-0550	WAC-01	WAC-01	59th Ave. North	Street end	3/20/2017	13:10	High	14:25	34.0		<10	Grab
E17-0577	WAC-09A	WAC-09A	White Pt. Swash	Swash confluence	3/27/2017	11:21	High	8:24	33.3		41	Grab
E17-0578	WAC-09	WAC-09	47th Ave. South	Street end	3/27/2017	11:33	Low	14:33	33.6		<10	Grab
E17-0579	WAC-08	WAC-08	33rd Ave. South	Street end and pipe discharge	3/27/2017	11:42	Low	14:33	33.6		<10	Grab
E17-0580	WAC-07	WAC-07	17th Ave. South	Street end and pipe discharge	3/27/2017	11:57	Low	14:33	33.6		52	Grab
E17-0581	WAC-06	WAC-06	9th Ave. South	Street end and pipe discharge	3/27/2017	12:13	Low	14:33	33.7		10	Grab

* All enterococci results determined by IDEXX Defined Substrate Technology method using IDEXX Enterolert reagent and IDEXX Quanti-Tray and at least a 1/10 dilution.



COASTAL CAROLINA UNIVERSITY

Environmental Quality Lab
Waccamaw Watershed Academy
School of Coastal and Marine Systems Science
College of Science

North Myrtle Beach - Ocean Monitoring Official Results for March 2017

Laboratory Sample ID	Field Sample or Site ID	SC DHEC Waccamaw Site ID	Sampling Site Location	Sample Collection Point	Collection Date	Collection Time	Nearest Tidal State	Nearest Tide Time	Salinity (psu)	Conductivity (uS)	Enterococci Most Probable Number (MPN/100ml)	Sample Type
E17-0582	WAC-05A	WAC-05A	7th Ave. South	Street end and pipe discharge	3/27/2017	12:08	Low	14:33	33.5		<10	Grab
E17-0583	WAC-05	WAC-05	3rd Ave. North	Street end and pipe discharge	3/27/2017	12:23	Low	14:33	33.5		20	Grab
E17-0584	WAC-04	WAC-04	16th Ave. North	Street end and pipe discharge	3/27/2017	12:34	Low	14:33	33.5		<10	Grab
E17-0584	WAC-04	WAC-04	16th Ave. North	Street end and pipe discharge	3/27/2017	12:34	Low	14:33	33.5		10	LD
E17-0585	WAC-04	WAC-04	16th Ave. North	Street end and pipe discharge	3/27/2017	12:34	Low	14:33	33.5		10	FD
E17-0586	WAC-03	WAC-03	30th Ave. North	Street end	3/27/2017	12:43	Low	14:33	33.0		<10	Grab
E17-0587	WAC-02	WAC-02	45th Ave. North	Street end	3/27/2017	12:52	Low	14:33	33.1		10	Grab
E17-0588	WAC-01	WAC-01	59th Ave. North	Street end	3/27/2017	13:03	Low	14:33	32.9		10	Grab

* All enterococci results determined by IDEXX Defined Substrate Technology method using IDEXX Enterolert reagent and IDEXX Quanti-Tray and at least a 1/10 dilution.