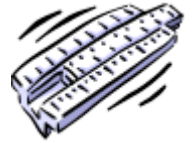


***PUBLIC WORKS DEPARTMENT
Monthly Report***

***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***



November 2017

Public Works Department

Monthly Statistics

	2017	2016
Water Supply & Demand – September		
• Monthly Avg. Day System	5.7 MGD	5.8 MGD
• Average Day Measured**	6.6 MGD	7.2 MGD
• Monthly Total System Water	176,982,350 Gallons	178,117,850 Gallons
• Billed Water**	199,897,000 Gallons	218,899,000 Gallons
Wastewater Collection & Treatment - September		
• Monthly Average Daily Flow	4.0 MGD	4.5 MGD
• Monthly Peak Daily Flow	6.2 MGD	7.0 MGD
• Total Metered Flow**	4.8 MGD	5.2 MGD
• Billed Usage**	149,473,000 Gallons	159,502,000 Gallons
• Unbilled Usage**	690,000 Gallons	1,082,000 Gallons
Solid Waste Collection & Disposal – September		
• Volume		
○ MSW	1,038 Tons	1,112 Tons
○ Yard Waste	350 Tons	436 Tons
○ Recycled (Includes E-Waste)	158 Tons	168 Tons
○ C & D	104 Tons	84 Tons
○ Total Pick-up/Disposal	1,650 Tons	1,800 Tons
• Recycling %	15.2%	15.1%
• Landfill Disposal Cost	\$47,126	\$42,422

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

Departmental Notes – November 2017

- *Capital Project Update attached*
- *CCU Monthly Report – September*
- *Federal Beach renourishment complete. City Dune restoration beginning Cherry Grove and Windy Hill.*

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%	Begin Construction December 2017
		City Force/ R.H. Moore	\$1,500,000		
Sewer System Improvements - OD	Ocean Drive – Tilghman Section	Dupree	Impact	Construction 30%	Continue Construction
		RH Moore	\$2,750,000		
South Ocean Boulevard Water/Sewer Crescent Beach	17 th Avenue South to 28 th Avenue South	DDC	Impact	Construction 70%	Continue Construction
		RH Moore	\$2,000,000		
AIWW Retaining Wall	Ocean Drive WWTP	Dupree	WWTP	Construction 70%	Continue Construction
		Greenwall	\$1,435,000		
		City Force	\$175,000		
Riverside Drive Sewer	Riverside Dr. LRN Rd. to end	Dupree	\$175,000	Design 10%	Continue Design
		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	30% Design	Continue Survey & Design
		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	Construction 40%	Continue Construction
		AASAP Construction	\$660,000		
18 th Avenue North Ocean Outfall	Ocean Drive	DDC	Stormwater	Preliminary Design	Permit Extension Obtained Begin Construction Fall 2018
		TBD	TBD		

Beach Improvements

Description	Location	Engineer / Contractor	Funding Source / Cost	Status	Progress & Goal
Beach Dune Restoration	Various	City/ AO Hardee	Dredging \$616,000	Construction 0%	Begin Construction December 2017
		Thompson	Street Improvement		
Beach Access Handicap Boardwalks - 2017	8 th Ave N 23 rd Ave S 57 th Ave N	Sellers Construction	\$100,000	Construction 0%	Begin Construction December 2017
		USACE	Beach		
Beach Renourishment	CG, WH, CB	GLDD	TBD	Design Complete	Continue Construction

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	Construction – 40%	Continue Construction
		RH Moore	\$2,750,000		
South Ocean Blvd Widening Crescent Beach	17 th Ave S to 28 th Ave S	Stantec	SCDOT - GSATS	Construction - 0%	Begin Construction – November 2017
		TBD	\$3,950,000		
South Ocean Boulevard ECT Crescent Beach	17 th Avenue South to 28 th Avenue South	DDC	Franchise	Construction – 50%	Continue Construction
		RH Moore	\$8,000,000		
Highway 17 Intersections Windy Hill	Ocean Creek to Barefoot Resort Bridge Rd.	SCDOT - STV	SCDOT - GSATS	Construction – 90%	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 – 100%	Utilities to pull cables Winter 2017/Spring 2018
		Carolina Conduit	\$2,000,000		
Roadway, Sidewalk, & Paving Improvements	Various	Dupree	Street Improvement	Construction – 100%	Construction Complete
		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 Spring 2018
		TBD	\$95,000		
Resurfacing – Fall 2017	Various	Dupree	Street Improvement	Construction – 80%	Continue Construction
		TBD	\$1,500,000		
RIDE III Street Resurfacing	Citywide	City	RIDE III	Design – 50%	Bid December 2017
		TBD	\$985,512		
NOB ECT 29 th N to 34 th N	Cherry Grove	Mead & Hunt	Franchise Fund	Design – 60%	Continue Design
		TBD	\$2,000,000		



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North Myrtle Beach - Ocean Monitoring Official Results for September 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
E17-1688	WAC-09A	WAC-09A	White Pt. Swash	Swash confluence	9/6/2017	8:27	High	8:40	34.9		41	Grab
E17-1689	WAC-09	WAC-09	47th Ave. South	Street end	9/6/2017	8:38	High	8:40	34.8		62	Grab
E17-1690	WAC-08	WAC-08	33rd Ave. South	Street end and pipe discharge	9/6/2017	8:48	High	8:40	34.7		84	Grab
E17-1691	WAC-07	WAC-07	17th Ave. South	Street end and pipe discharge	9/6/2017	9:00	High	8:40	34.3		310	Grab
E17-1692	WAC-06	WAC-06	9th Ave. South	Street end and pipe discharge	9/6/2017	9:15	High	8:40	34.5		213	Grab
E17-1693	WAC-05A	WAC-05A	7th Ave. South	Street end and pipe discharge	9/6/2017	9:10	High	8:40	34.4		134	Grab
E17-1694	WAC-05	WAC-05	3rd Ave. North	Street end and pipe discharge	9/6/2017	9:25	High	8:40	34.6		74	Grab
E17-1695	WAC-04	WAC-04	16th Ave. North	Street end and pipe discharge	9/6/2017	9:33	High	8:40	34.0		591	Grab
E17-1696	WAC-03	WAC-03	30th Ave. North	Street end	9/6/2017	9:40	High	8:40	34.4		373	Grab
E17-1696	WAC-03	WAC-03	30th Ave. North	Street end	9/6/2017	9:40	High	8:40	34.4		253	LD
E17-1697	WAC-03	WAC-03	30th Ave. North	Street end	9/6/2017	9:40	High	8:40	34.3		262	FD
E17-1698	WAC-02	WAC-02	45th Ave. North	Street end	9/6/2017	9:48	High	8:40	34.3		209	Grab
E17-1699	WAC-01	WAC-01	59th Ave. North	Street end	9/6/2017	9:58	High	8:40	34.3		209	Grab
E17-1729	WAC-09A	WAC-09A	White Pt. Swash	Swash confluence	9/13/2017	8:14	Low	8:17	33.4		41	Grab
E17-1730	WAC-09	WAC-09	47th Ave. South	Street end	9/13/2017	8:25	Low	8:17	34.6		<10	Grab
E17-1731	WAC-08	WAC-08	33rd Ave. South	Street end and pipe discharge	9/13/2017	8:37	Low	8:17	34.7		<10	Grab
E17-1732	WAC-07	WAC-07	17th Ave. South	Street end and pipe discharge	9/13/2017	8:48	Low	8:17	34.4		10	Grab
E17-1733	WAC-06	WAC-06	9th Ave. South	Street end and pipe discharge	9/13/2017	9:04	Low	8:17	34.5		31	Grab
E17-1734	WAC-05A	WAC-05A	7th Ave. South	Street end and pipe discharge	9/13/2017	8:59	Low	8:17	34.5		10	Grab
E17-1735	WAC-05	WAC-05	3rd Ave. North	Street end and pipe discharge	9/13/2017	9:15	Low	8:17	34.3		<10	Grab
E17-1736	WAC-04	WAC-04	16th Ave. North	Street end and pipe discharge	9/13/2017	9:26	Low	8:17	34.4		31	Grab
E17-1737	WAC-03	WAC-03	30th Ave. North	Street end	9/13/2017	9:35	Low	8:17	34.5		41	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.



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E17-1738	WAC-02	WAC-02	45th Ave. North	Street end	9/13/2017	9:44	Low	8:17	34.1		31	Grab
E17-1738	WAC-02	WAC-02	45th Ave. North	Street end	9/13/2017	9:44	Low	8:17	34.1		20	LD
E17-1739	WAC-02	WAC-02	45th Ave. North	Street end	9/13/2017	9:44	Low	8:17	34.1		<10	FD
E17-1740	WAC-01	WAC-01	59th Ave. North	Street end	9/13/2017	9:55	Low	8:17	34.2		<10	Grab
E17-1781	WAC-09A	WAC-09A	White Pt. Swash	Swash confluence	9/20/2017	8:06	High	8:54	34.5		30	Grab
E17-1782	WAC-09	WAC-09	47th Ave. South	Street end	9/20/2017	8:18	High	8:54	34.2		31	Grab
E17-1783	WAC-08	WAC-08	33rd Ave. South	Street end and pipe discharge	9/20/2017	8:27	High	8:54	34.2		31	Grab
E17-1784	WAC-07	WAC-07	17th Ave. South	Street end and pipe discharge	9/20/2017	8:39	High	8:54	34.2		10	Grab
E17-1785	WAC-06	WAC-06	9th Ave. South	Street end and pipe discharge	9/20/2017	8:54	High	8:54	34.3		<10	Grab
E17-1786	WAC-05A	WAC-05A	7th Ave. South	Street end and pipe discharge	9/20/2017	8:49	High	8:54	34.3		<10	Grab
E17-1787	WAC-05	WAC-05	3rd Ave. North	Street end and pipe discharge	9/20/2017	9:05	High	8:54	34.1		20	Grab
E17-1788	WAC-04	WAC-04	16th Ave. North	Street end and pipe discharge	9/20/2017	9:13	High	8:54	34.3		10	Grab
E17-1789	WAC-03	WAC-03	30th Ave. North	Street end	9/20/2017	9:20	High	8:54	34.2		<10	Grab
E17-1790	WAC-02	WAC-02	45th Ave. North	Street end	9/20/2017	9:28	High	8:54	34.2		<10	Grab
E17-1791	WAC-01	WAC-01	59th Ave. North	Street end	9/20/2017	9:37	High	8:54	34.0		10	Grab
E17-1791	WAC-01	WAC-01	59th Ave. North	Street end	9/20/2017	9:37	High	8:54	34.0		<10	LD
E17-1792	WAC-01	WAC-01	59th Ave. North	Street end	9/20/2017	9:37	High	8:54	34.0		<10	FD
E17-1822	WAC-09A	WAC-09A	White Pt. Swash	Swash confluence	9/27/2017	8:26	Low	7:30	34.3		<10	Grab
E17-1822	WAC-09A	WAC-09A	White Pt. Swash	Swash confluence	9/27/2017	8:26	Low	7:30	34.3		10	LD
E17-1823	WAC-09A	WAC-09A	White Pt. Swash	Swash confluence	9/27/2017	8:26	Low	7:30	34.3		<10	FD
E17-1824	WAC-09	WAC-09	47th Ave. South	Street end	9/27/2017	8:38	Low	7:30	34.0		<10	Grab
E17-1825	WAC-08	WAC-08	33rd Ave. South	Street end and pipe discharge	9/27/2017	8:47	Low	7:30	34.0		10	Grab

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E17-1826	WAC-07	WAC-07	17th Ave. South	Street end and pipe discharge	9/27/2017	8:59	Low	7:30	34.0		41	Grab
E17-1827	WAC-06	WAC-06	8th Ave. South	Street end and pipe discharge	9/27/2017	9:15	Low	7:30	34.0		<10	Grab
E17-1828	WAC-05A	WAC-05A	7th Ave. South	Street end and pipe discharge	9/27/2017	9:10	Low	7:30	34.0		10	Grab
E17-1829	WAC-05	WAC-05	3rd Ave. North	Street end and pipe discharge	9/27/2017	9:25	Low	7:30	33.9		<10	Grab
E17-1830	WAC-04	WAC-04	16th Ave. North	Street end and pipe discharge	9/27/2017	9:35	Low	7:30	34.0		<10	Grab
E17-1831	WAC-03	WAC-03	30th Ave. North	Street end	9/27/2017	9:42	Low	7:30	34.1		<10	Grab
E17-1832	WAC-02	WAC-02	45th Ave. North	Street end	9/27/2017	9:50	Low	7:30	34.2		10	Grab
E17-1833	WAC-01	WAC-01	59th Ave. North	Street end	9/27/2017	10:00	Low	7:30	34.5		<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.