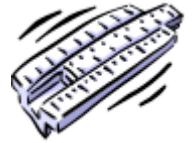


***PUBLIC WORKS DEPARTMENT
Monthly Report***

***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***



December 2017

Public Works Department

Monthly Statistics

	2017	2016
Water Supply & Demand – October		
• Monthly Avg. Day System	5.2 MGD	4.9 MGD
• Average Day Measured**	5.9 MGD	6.9 MGD
• Monthly Total System Water	161,492,150 Gallons	152,941,290 Gallons
• Billed Water**	178,267,000 Gallons	209,111,000 Gallons
Wastewater Collection & Treatment - October		
• Monthly Average Daily Flow	3.4 MGD	3.6 MGD
• Monthly Peak Daily Flow	4.3 MGD	6.0 MGD
• Total Metered Flow**	4.3 MGD	4.8 MGD
• Billed Usage**	131,553,000 Gallons	146,586,000 Gallons
• Unbilled Usage**	110,000 Gallons	959,000 Gallons
Solid Waste Collection & Disposal – October		
• 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 – December 2017

- *Capital Project Update attached*
- *CCU Monthly Report – October*
- *City Dune restoration underway 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 40%	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 90%	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	40% 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 70%	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 10%	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
Beach Renourishment	CG, WH, CB	USACE	Beach	Design Complete	Continue Construction
		GLDD	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	Construction – 50%	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 – 60%	Continue Construction
		RH Moore	\$8,000,000		
Highway 17 Intersections Windy Hill	Ocean Creek to Barefoot Resort Bridge Rd.	SCDOT - STV	SCDOT - GSATS	Construction – 95%	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		



**North Myrtle Beach - Ocean Monitoring
Official Results for October 2017**

Laboratory Sample ID	Field Sample or Site ID	Myrtle Beach 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 (CFU/100ml)	Sample Type
E17-1860	WAC-09A		WAC-09A	White Pt. Swash	Swash confluence	10/2/2017	10:54	Low	12:06	34.4		10	Grab
E17-1861	WAC-09		WAC-09	47th Ave. South	Street end	10/2/2017	11:05	Low	12:06	34.3		<10	Grab
E17-1861	WAC-09		WAC-09	47th Ave. South	Street end	10/2/2017	11:05	Low	12:06	34.3		<10	LD
E17-1862	WAC-09		WAC-09	47th Ave. South	Street end	10/2/2017	11:05	Low	12:06	34.3		<10	FD
E17-1863	WAC-08		WAC-08	33rd Ave. South	Street end and pipe discharge	10/2/2017	11:14	Low	12:06	34.2		<10	Grab
E17-1864	WAC-07		WAC-07	17th Ave. South	Street end and pipe discharge	10/2/2017	11:25	Low	12:06	34.3		20	Grab
E17-1865	WAC-06		WAC-06	9th Ave. South	Street end and pipe discharge	10/2/2017	11:41	Low	12:06	34.2		<10	Grab
E17-1866	WAC-05A		WAC-05A	7th Ave. South	Street end and pipe discharge	10/2/2017	11:36	Low	12:06	34.2		<10	Grab
E17-1867	WAC-05		WAC-05	3rd Ave. North	Street end and pipe discharge	10/2/2017	11:51	Low	12:06	34.2		<10	Grab
E17-1868	WAC-04		WAC-04	16th Ave. North	Street end and pipe discharge	10/2/2017	12:01	Low	12:06	34.2		<10	Grab
E17-1869	WAC-03		WAC-03	30th Ave. North	Street end	10/2/2017	12:09	Low	12:06	34.3		<10	Grab
E17-1870	WAC-02		WAC-02	45th Ave. North	Street end	10/2/2017	12:18	Low	12:06	34.3		<10	Grab
E17-1871	WAC-01		WAC-01	59th Ave. North	Street end	10/2/2017	12:28	Low	12:06	34.3		<10	Grab
E17-1907	WAC-09A		WAC-09A	White Pt. Swash	Swash confluence	10/9/2017	10:15	High	11:13	34.3		<10	Grab
E17-1908	WAC-09		WAC-09	47th Ave. South	Street end	10/9/2017	10:24	High	11:13	34.3		<10	Grab
E17-1909	WAC-08		WAC-08	33rd Ave. South	Street end and pipe discharge	10/9/2017	10:30	High	11:13	34.3		41	Grab
E17-1909	WAC-08		WAC-08	33rd Ave. South	Street end and pipe discharge	10/9/2017	10:30	High	11:13	34.3		20	LD
E17-1910	WAC-08		WAC-08	33rd Ave. South	Street end and pipe discharge	10/9/2017	10:30	High	11:13	34.2		52	FD
E17-1911	WAC-07		WAC-07	17th Ave. South	Street end and pipe discharge	10/9/2017	10:40	High	11:13	34.4		10	Grab
E17-1912	WAC-06		WAC-06	9th Ave. South	Street end and pipe discharge	10/9/2017	10:43	High	11:13	34.4		<10	Grab
E17-1913	WAC-05A		WAC-05A	7th Ave. South	Street end and pipe discharge	10/9/2017	10:48	High	11:13	34.5		<10	Grab
E17-1914	WAC-05		WAC-05	3rd Ave. North	Street end and pipe discharge	10/9/2017	10:56	High	11:13	34.4		30	Grab
E17-1915	WAC-04		WAC-04	16th Ave. North	Street end and pipe discharge	10/9/2017	11:03	High	11:13	34.4		<10	Grab
E17-1916	WAC-03		WAC-03	30th Ave. North	Street end	10/9/2017	11:09	High	11:13	34.4		548	Grab
E17-1917	WAC-02		WAC-02	45th Ave. North	Street end	10/9/2017	11:15	High	11:13	34.5		10	Grab
E17-1918	WAC-01		WAC-01	59th Ave. North	Street end	10/9/2017	11:20	High	11:13	34.6		<10	Grab
E17-1945	WAC-09A		WAC-09A	White Pt. Swash	Swash confluence	10/16/2017	11:00	Low	12:14	31.3		301	Grab
E17-1946	WAC-09		WAC-09	47th Ave. South	Street end	10/16/2017	11:12	Low	12:14	34.8		<10	Grab



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E17-1947	WAC-08		WAC-08	33rd Ave. South	Street end and pipe discharge	10/16/2017	11:21	Low	12:14	34.8		<10	Grab
E17-1948	WAC-07		WAC-07	17th Ave. South	Street end and pipe discharge	10/16/2017	11:35	Low	12:14	34.8		<10	Grab
E17-1948	WAC-07		WAC-07	17th Ave. South	Street end and pipe discharge	10/16/2017	11:35	Low	12:14	34.8		<10	LD
E17-1949	WAC-07		WAC-07	17th Ave. South	Street end and pipe discharge	10/16/2017	11:35	Low	12:14	34.8		<10	FD
E17-1950	WAC-06		WAC-06	9th Ave. South	Street end and pipe discharge	10/16/2017	11:50	Low	12:14	34.8		10	Grab
E17-1951	WAC-05A		WAC-05A	7th Ave. South	Street end and pipe discharge	10/16/2017	11:45	Low	12:14	34.8		<10	Grab
E17-1952	WAC-05		WAC-05	3rd Ave. North	Street end and pipe discharge	10/16/2017	12:01	Low	12:14	34.7		<10	Grab
E17-1953	WAC-04		WAC-04	16th Ave. North	Street end and pipe discharge	10/16/2017	12:11	Low	12:14	34.7		<10	Grab
E17-1954	WAC-03		WAC-03	30th Ave. North	Street end	10/16/2017	12:19	Low	12:14	34.7		<10	Grab
E17-1955	WAC-02		WAC-02	45th Ave. North	Street end	10/16/2017	12:31	Low	12:14	34.8		<10	Grab
E17-1956	WAC-01		WAC-01	59th Ave. North	Street end	10/16/2017	12:41	Low	12:14	34.5		<10	Grab
E17-1992	WAC-09A		WAC-09A	White Pt. Swash	Swash confluence	10/23/2017	10:23	Low	7:48	34.5		<10	Grab
E17-1993	WAC-09		WAC-09	47th Ave. South	Street end	10/23/2017	10:34	Low	7:48	34.6		31	Grab
E17-1994	WAC-08		WAC-08	33rd Ave. South	Street end and pipe discharge	10/23/2017	10:43	Low	7:48	34.4		41	Grab
E17-1995	WAC-07		WAC-07	17th Ave. South	Street end and pipe discharge	10/23/2017	10:52	High	13:15	34.3		10	Grab
E17-1996	WAC-06		WAC-06	9th Ave. South	Street end and pipe discharge	10/23/2017	11:06	High	13:15	34.3		10	Grab
E17-1996	WAC-06		WAC-06	9th Ave. South	Street end and pipe discharge	10/23/2017	11:06	High	13:15	34.3		<10	LD
E17-1997	WAC-06		WAC-06	9th Ave. South	Street end and pipe discharge	10/23/2017	11:06	High	13:15	34.3		10	FD
E17-1998	WAC-05A		WAC-05A	7th Ave. South	Street end and pipe discharge	10/23/2017	11:01	High	13:15	34.3		<10	Grab
E17-1999	WAC-05		WAC-05	3rd Ave. North	Street end and pipe discharge	10/23/2017	11:12	High	13:15	34.3		20	Grab
E17-2000	WAC-04		WAC-04	16th Ave. North	Street end and pipe discharge	10/23/2017	11:20	High	13:15	34.2		<10	Grab
E17-2001	WAC-03		WAC-03	30th Ave. North	Street end	10/23/2017	11:27	High	13:15	34.5		20	Grab
E17-2002	WAC-02		WAC-02	45th Ave. North	Street end	10/23/2017	11:33	High	13:15	34.4		10	Grab
E17-2003	WAC-01		WAC-01	59th Ave. North	Street end	10/23/2017	11:41	High	13:15	34.2		<10	Grab
E17-2030	WAC-09A		WAC-09A	White Pt. Swash	Swash confluence	10/30/2017	11:37	Low	10:36	35.0		<10	Grab
E17-2031	WAC-09		WAC-09	47th Ave. South	Street end	10/30/2017	11:49	Low	10:36	35.1		<10	Grab
E17-2032	WAC-08		WAC-08	33rd Ave. South	Street end and pipe discharge	10/30/2017	12:01	Low	10:36	35.1		10	Grab
E17-2033	WAC-07		WAC-07	17th Ave. South	Street end and pipe discharge	10/30/2017	12:12	Low	10:36	35.1		31	Grab



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E17-2034	WAC-06		WAC-06	9th Ave. South	Street end and pipe discharge	10/30/2017	12:30	Low	10:36	35.0		<10	Grab
E17-2035	WAC-05A		WAC-05A	7th Ave. South	Street end and pipe discharge	10/30/2017	12:25	Low	10:36	35.0		<10	Grab
E17-2035	WAC-05A		WAC-05A	7th Ave. South	Street end and pipe discharge	10/30/2017	12:25	Low	10:36	35.0		<10	LD
E17-2036	WAC-05A		WAC-05A	7th Ave. South	Street end and pipe discharge	10/30/2017	12:25	Low	10:36	35.0		10	FD
E17-2037	WAC-05		WAC-05	3rd Ave. North	Street end and pipe discharge	10/30/2017	12:40	Low	10:36	34.9		<10	Grab
E17-2038	WAC-04		WAC-04	16th Ave. North	Street end and pipe discharge	10/30/2017	12:50	Low	10:36	35.0		<10	Grab
E17-2039	WAC-03		WAC-03	30th Ave. North	Street end	10/30/2017	12:59	Low	10:36	34.8		10	Grab
E17-2040	WAC-02		WAC-02	45th Ave. North	Street end	10/30/2017	13:07	Low	10:36	34.9		<10	Grab
E17-2041	WAC-01		WAC-01	59th Ave. North	Street end	10/30/2017	13:16	Low	10:36	34.9		<10	Grab