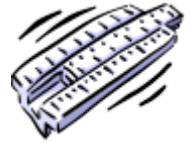


***PUBLIC WORKS DEPARTMENT
Monthly Report***

***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***



February 2017

Public Works Department

Monthly Statistics

	2017	2016
Water Supply & Demand – January		
• Monthly Avg. Day System	3.4 MGD	3.3 MGD
• Average Day Measured**	4.7 MGD	3.6 MGD
• Monthly Total System Water	105,438,200 Gallons	102,982,250 Gallons
• Billed Water**	139,970,000 Gallons	110,131,000 Gallons
Wastewater Collection & Treatment - January		
• Monthly Average Daily Flow	2.0 MGD	3.1 MGD
• Monthly Peak Daily Flow	2.4 MGD	6.1 MGD
• Total Metered Flow**	3.2 MGD	2.9 MGD
• Billed Usage**	98,145,000 Gallons	87,008,000 Gallons
• Unbilled Usage**	551,000 Gallons	1,815,000 Gallons
Solid Waste Collection & Disposal – January		
• Volume		
○ MSW	714 Tons	727 Tons
○ Yard Waste	372 Tons	477 Tons
○ Recycled (Includes E-Waste)	168 Tons	165 Tons
○ C & D	128 Tons	79 Tons
○ Total Pick-up/Disposal	1,382 Tons	1,448 Tons
• Recycling %	23.5%	22.6%
• Landfill Disposal Cost	\$31,644	\$31,480

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

Departmental Notes – January 2017

- *Capital Project Update attached*
- *CCU Ocean Monitoring Report - December*

Public Works Department Capital Improvement Project Update

Water and Sewer System Improvements

Description	Location	Engineer / Contractor	Funding Source / Cost	Status	Progress & Goal
2016 Water Improvements	Various	Thompson/Dupree/Blayton	Utility Fund	Design 90%	Bid June 2017
		TBD	\$750,000		
2016 Sewer Improvements	Various	Thompson/Dupree/Blayton	Utility Fund	Design 100%	Opening March 8 th , 2017
		TBD	\$1,630,000		
South Ocean Boulevard Water/Sewer, Crescent Beach	17 th Avenue South to 28 th Avenue South	Dupree/ DDC	Utility Fund	Construction 15%	Continue Construction
		RH Moore			
Atlantic Intracoastal Waterway Retaining Wall	Ocean Drive Waste Water Treatment Plant	Thompson / Dupree / Blayton	Water & Sewer Capital	Out to Bid	Bid Opening February 2017
		TBD	\$2,000,000		

Storm Drainage System Improvements

Description	Location	Engineer / Contractor	Funding Source / Cost	Status	Progress & Goal
Priority Group 1 Drainage System Improvements	LRNR – Magnolia Drive Pond	Thompson / Dupree / Blayton	Stormwater Fee	Design 80% Complete	Continue survey and design.
	11 th Avenue North – Bellamy Rd 5 th Avenue South to 6 th Avenue South Pine Street	TBD	\$515,000		

Public Works Department Capital Improvement Project Update

Street Improvements

Description	Location	Engineer / Contractor	Funding Source / Cost	Status	Progress & Goal
11 th Ave N Road Widening	11 th Ave N – Hwy 17 to Golfview Drive	Dupree/Blayton/Stantec	Development/Street Imp Fund/CTC	Design 95%	Obtain SCDOT Approval.
		TBD	\$2,300,000		
South Ocean Blvd Widening, Crescent Beach	17 th Ave S to 28 th Ave S	Dupree / Blayton/Stantec	SCDOT/GSATS	Design 90%	Continue with Design and address comments from SCDOT right of way department
		TBD	\$3,500,000		
South Ocean Boulevard E/C/T, Crescent Beach	17 th Avenue South to 28 th Avenue South	Dupree/ DDC	Street Imp Fund, Franchise Fund	15% Construction	Continue Construction
		RH Moore			
Hwy 17 South Intersections Windy Hill	Ocean Creek to Barefoot Resort Bridge Rd.	SCDOT/STV	SCDOT / GSATS	Design 100%	Start Construction February 2017
		TBD	\$3,329,000		
Hwy 17 South E/C/T, Windy Hill	Ocean Creek to WH Rd. Ext.	Dupree/DDC	Street Imp Fund, Franchise Fund	Construction 95%	Conduit Construction complete. Pull wire/set Equip.
		Greenwall Construction	\$5,800,000		
NOB E/C/T Cherry Grove	Sea Mountain Hwy to 29 th Ave North	Dupree/Mead & Hunt	Street Imp Fund, Franchise Fund	Construction – 5%	Continue Construction
		TBD			
Roadway, Sidewalk, & Paving Improvements	Various	Thompson/Dupree/Blayton	Street Imp Fund	Out to Bid	Bid Opening March 15, 2017
		TBD	\$1,760,000		
Lake Avenue Boardwalk	Cherry Grove Marsh along Lake Ave. @ Burgess Preserve	Dupree / Blayton	Street Imp Fund	Preliminary design complete	Construction deferred, funding and right-of-way
		TBD	\$750,000 Estimate		

Public Works Department Capital Improvement Project Update

Street Improvements

Description	Location	Engineer / Contractor	Funding Source / Cost	Status	Progress & Goal
2 nd Avenue North Widening	Highway 17 at 2 nd Avenue North	Thompson/Dupree/Blayton	Street Imp Fund	Design complete.	Construction deferred, development schedule.
		TBD	\$95,000		
Beach Access Handicap Boardwalks	3 rd Ave S 60 th Ave N 33 rd Ave S – Replace Handrail	Thompson/Dupree/Blayton	Street Imp Fund	Construction – 0%	Begin Construction February 2017
		TBD	\$65,000		
Eastcoast Greenway	Water Tower Road	Dupree / Blayton	Street Imp Fund/SCDOT	Construction – 0%	Begin Construction February 2017
		TBD	\$530,000		

**North Myrtle Beach - Ocean Monitoring
Official Results for December 2016**

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
E16-2150	WAC-09A	WAC-09A	White Pt. Swash	Swash confluence	12/7/2016	11:41	High	13:29	35.0		<10	Grab
E16-2151	WAC-09	WAC-09	47th Ave. South	Street end	12/7/2016	11:55	High	13:29	35.1		<10	Grab
E16-2152	WAC-08	WAC-08	33rd Ave. South	Street end and pipe discharge	12/7/2016	12:04	High	13:29	34.9		<10	Grab
E16-2153	WAC-07	WAC-07	17th Ave. South	Street end and pipe discharge	12/7/2016	12:17	High	13:29	35.1		<10	Grab
E16-2153	WAC-07	WAC-07	17th Ave. South	Street end and pipe discharge	12/7/2016	12:17	High	13:29	35.1		10	LD
E16-2154	WAC-07	WAC-07	17th Ave. South	Street end and pipe discharge	12/7/2016	12:17	High	13:29	35.0		<10	FD
E16-2155	WAC-06	WAC-06	9th Ave. South	Street end and pipe discharge	12/7/2016	12:33	High	13:29	35.0		<10	Grab
E16-2156	WAC-05A	WAC-05A	7th Ave. South	Street end and pipe discharge	12/7/2016	12:28	High	13:29	35.0		10	Grab
E16-2157	WAC-05	WAC-05	3rd Ave. North	Street end and pipe discharge	12/7/2016	12:42	High	13:29	35.0		<10	Grab
E16-2158	WAC-04	WAC-04	16th Ave. North	Street end and pipe discharge	12/7/2016	12:50	High	13:29	35.0		10	Grab
E16-2159	WAC-03	WAC-03	30th Ave. North	Street end	12/7/2016	12:57	High	13:29	34.9		<10	Grab
E16-2160	WAC-02	WAC-02	45th Ave. North	Street end	12/7/2016	13:04	High	13:29	34.8		<10	Grab
E16-2161	WAC-01	WAC-01	59th Ave. North	Street end	12/7/2016	13:11	High	13:29	34.9		20	Grab
E16-2186	WAC-09A	WAC-09A	White Pt. Swash	Swash confluence	12/12/2016	11:34	Low	12:35	32.1		110	Grab
E16-2187	WAC-09	WAC-09	47th Ave. South	Street end	12/12/2016	11:48	Low	12:35	34.2		10	Grab
E16-2188	WAC-08	WAC-08	33rd Ave. South	Street end and pipe discharge	12/12/2016	11:57	Low	12:35	34.1		<10	Grab
E16-2189	WAC-07	WAC-07	17th Ave. South	Street end and pipe discharge	12/12/2016	12:13	Low	12:35	33.5		10	Grab
E16-2190	WAC-06	WAC-06	9th Ave. South	Street end and pipe discharge	12/12/2016	12:30	Low	12:35	33.8		20	Grab
E16-2190	WAC-06	WAC-06	9th Ave. South	Street end and pipe discharge	12/12/2016	12:30	Low	12:35	33.8		10	LD
E16-2191	WAC-06	WAC-06	9th Ave. South	Street end and pipe discharge	12/12/2016	12:30	Low	12:35	33.8		<10	FD
E16-2192	WAC-05A	WAC-05A	7th Ave. South	Street end and pipe discharge	12/12/2016	12:25	Low	12:35	33.8		<10	Grab
E16-2193	WAC-05	WAC-05	3rd Ave. North	Street end and pipe discharge	12/12/2016	12:41	Low	12:35	33.8		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.



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

North Myrtle Beach - Ocean Monitoring
Official Results for December 2016

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
E16-2194	WAC-04	WAC-04	16th Ave. North	Street end and pipe discharge	12/12/2016	12:50	Low	12:35	33.8		20	Grab
E16-2195	WAC-03	WAC-03	30th Ave. North	Street end	12/12/2016	12:59	Low	12:35	34.0		10	Grab
E16-2196	WAC-02	WAC-02	45th Ave. North	Street end	12/12/2016	13:07	Low	12:35	33.7		<10	Grab
E16-2197	WAC-01	WAC-01	59th Ave. North	Street end	12/12/2016	13:17	Low	12:35	33.8		10	Grab
E16-2227	WAC-09A	WAC-09A	White Pt. Swash	Swash confluence	12/19/2016	11:22	High	12:14	34.0		10	Grab
E16-2228	WAC-09	WAC-09	47th Ave. South	Street end	12/19/2016	11:33	High	12:14	33.9		10	Grab
E16-2229	WAC-08	WAC-08	33rd Ave. South	Street end and pipe discharge	12/19/2016	11:43	High	12:14	33.8		10	Grab
E16-2230	WAC-07	WAC-07	17th Ave. South	Street end and pipe discharge	12/19/2016	11:54	High	12:14	33.7		<10	Grab
E16-2231	WAC-06	WAC-06	9th Ave. South	Street end and pipe discharge	12/19/2016	12:11	High	12:14	33.7		10	Grab
E16-2232	WAC-05A	WAC-05A	7th Ave. South	Street end and pipe discharge	12/19/2016	12:06	High	12:14	33.7		<10	Grab
E16-2232	WAC-05A	WAC-05A	7th Ave. South	Street end and pipe discharge	12/19/2016	12:06	High	12:14	33.7		<10	LD
E16-2233	WAC-05A	WAC-05A	7th Ave. South	Street end and pipe discharge	12/19/2016	12:06	High	12:14	33.7		<10	FD
E16-2234	WAC-05	WAC-05	3rd Ave. North	Street end and pipe discharge	12/19/2016	12:19	High	12:14	33.7		20	Grab
E16-2235	WAC-04	WAC-04	16th Ave. North	Street end and pipe discharge	12/19/2016	12:28	High	12:14	33.8		<10	Grab
E16-2236	WAC-03	WAC-03	30th Ave. North	Street end	12/19/2016	12:37	High	12:14	33.8		<10	Grab
E16-2237	WAC-02	WAC-02	45th Ave. North	Street end	12/19/2016	12:46	High	12:14	33.8		<10	Grab
E16-2238	WAC-01	WAC-01	59th Ave. North	Street end	12/19/2016	12:57	High	12:14	33.9		<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.