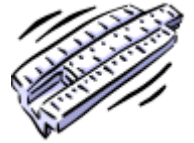


***PUBLIC WORKS DEPARTMENT
Monthly Report***

***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***



March 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 – February 2017

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

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	Construction 0%	Bids received March 10, 2017. Begin construction early April.
		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 25%	Continue Construction
		RH Moore			
AIWW Retaining Wall	Ocean Drive WWTP	Thompson / Dupree / Blayton	Water & Sewer Capital	Construction 0%	Begin Construction April 2017.
		Greenwall	\$1,435,000		
Riverside Drive Water/Sewer	Riverside Dr. LRN Rd. to end	Dupree/Blayton	Water/Sewer Impact	Design 20%	Continue survey and design.
		City Force/TBD	\$350,000		

Storm Drainage System Improvements

Description	Location	Engineer / Contractor	Funding Source / Cost	Status	Progress & Goal
Priority Group 1 Drainage System Improvements	LRNR – Magnolia Drive Pond 11 th Avenue North – Bellamy Rd 5 th Avenue South to 6 th Avenue South Pine Street	Thompson / Dupree / Blayton	Stormwater Fee	Design 90% Complete	Continue survey and design. Bid April 2017.
		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 Complete	SCDOT Approval.
		TBD	\$2,500,000		
South Ocean Blvd Widening, Crescent Beach	17 th Ave S to 28 th Ave S	Dupree / Blayton/Stantec	SCDOT/GSATS	Design 90%	Continue Design. Obtain SCDOT approval
		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	Construction	Continue Construction
		Palmetto	\$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%	Pull wire set equipment remove poles
		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	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 – 10%	Continue Construction
		Sellers	\$99,000		
Eastcoast Greenway	Water Tower Road	Dupree / Blayton	Street Imp Fund/SCDOT	Construction – 10%	Begin Construction February 2017
		Coastal Asphalt	\$530,000		



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**North Myrtle Beach - Ocean Monitoring
 Official Results for January 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
E17-0021	WAC-09A	WAC-09A	White Pt. Swash	Swash confluence	1/3/2017	11:17	High	11:15	33.9		<10	Grab
E17-0022	WAC-09	WAC-09	47th Ave. South	Street end	1/3/2017	11:30	High	11:15	33.9		<10	Grab
E17-0023	WAC-08	WAC-08	33rd Ave. South	Street end and pipe discharge	1/3/2017	11:38	High	11:15	33.8		<10	Grab
E17-0024	WAC-07	WAC-07	17th Ave. South	Street end and pipe discharge	1/3/2017	11:55	High	11:15	33.9		20	Grab
E17-0025	WAC-06	WAC-06	9th Ave. South	Street end and pipe discharge	1/3/2017	12:08	High	11:15	33.8		<10	Grab
E17-0026	WAC-05A	WAC-05A	7th Ave. South	Street end and pipe discharge	1/3/2017	12:13	High	11:15	33.8		<10	Grab
E17-0027	WAC-05	WAC-05	3rd Ave. North	Street end and pipe discharge	1/3/2017	12:23	High	11:15	33.8		<10	Grab
E17-0027	WAC-05	WAC-05	3rd Ave. North	Street end and pipe discharge	1/3/2017	12:23	High	11:15	33.8		<10	LD
E17-0028	WAC-05	WAC-05	3rd Ave. North	Street end and pipe discharge	1/3/2017	12:23	High	11:15	33.8		<10	FD
E17-0029	WAC-04	WAC-04	16th Ave. North	Street end and pipe discharge	1/3/2017	12:32	High	11:15	33.6		31	Grab
E17-0030	WAC-03	WAC-03	30th Ave. North	Street end	1/3/2017	12:39	High	11:15	33.7		<10	Grab
E17-0031	WAC-02	WAC-02	45th Ave. North	Street end	1/3/2017	12:45	High	11:15	33.5		10	Grab
E17-0032	WAC-01	WAC-01	59th Ave. North	Street end	1/3/2017	12:54	High	11:15	33.4		10	Grab
E17-0070	WAC-09A	WAC-09A	White Pt. Swash	Swash confluence	1/10/2017	11:58	Low	12:22	33.5		20	Grab
E17-0071	WAC-09	WAC-09	47th Ave. South	Street end	1/10/2017	12:12	Low	12:22	34.4		20	Grab
E17-0072	WAC-08	WAC-08	33rd Ave. South	Street end and pipe discharge	1/10/2017	12:24	Low	12:22	34.3		20	Grab
E17-0073	WAC-07	WAC-07	17th Ave. South	Street end and pipe discharge	1/10/2017	12:40	Low	12:22	34.4		<10	Grab
E17-0074	WAC-06	WAC-06	9th Ave. South	Street end and pipe discharge	1/10/2017	13:00	Low	12:22	34.4		<10	Grab
E17-0075	WAC-05A	WAC-05A	7th Ave. South	Street end and pipe discharge	1/10/2017	12:54	Low	12:22	34.3		<10	Grab
E17-0076	WAC-05	WAC-05	3rd Ave. North	Street end and pipe discharge	1/10/2017	13:10	Low	12:22	34.4		<10	Grab
E17-0077	WAC-04	WAC-04	16th Ave. North	Street end and pipe discharge	1/10/2017	13:20	Low	12:22	34.1		<10	Grab
E17-0077	WAC-04	WAC-04	16th Ave. North	Street end and pipe discharge	1/10/2017	13:20	Low	12:22	34.1		<10	LD

* 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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North Myrtle Beach - Ocean Monitoring Official Results for January 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
E17-0078	WAC-04	WAC-04	18th Ave. North	Street end and pipe discharge	1/10/2017	13:20	Low	12:22	34.1		10	FD
E17-0079	WAC-03	WAC-03	30th Ave. North	Street end	1/10/2017	13:29	Low	12:22	34.0		<10	Grab
E17-0080	WAC-02	WAC-02	45th Ave. North	Street end	1/10/2017	13:38	Low	12:22	33.9		<10	Grab
E17-0081	WAC-01	WAC-01	59th Ave. North	Street end	1/10/2017	13:47	Low	12:22	33.6		10	Grab
E17-0102	WAC-09A	WAC-09A	White Pt. Swash	Swash confluence	1/16/2017	10:59	High	10:54	32.1		<10	Grab
E17-0103	WAC-09	WAC-09	47th Ave. South	Street end	1/16/2017	11:10	High	10:54	32.2		<10	Grab
E17-0104	WAC-08	WAC-08	33rd Ave. South	Street end and pipe discharge	1/16/2017	11:19	High	10:54	32.1		10	Grab
E17-0105	WAC-07	WAC-07	17th Ave. South	Street end and pipe discharge	1/16/2017	11:30	High	10:54	32.0		<10	Grab
E17-0106	WAC-06	WAC-06	9th Ave. South	Street end and pipe discharge	1/16/2017	11:44	High	10:54	32.1		<10	Grab
E17-0107	WAC-05A	WAC-05A	7th Ave. South	Street end and pipe discharge	1/16/2017	11:39	High	10:54	32.2		10	Grab
E17-0108	WAC-05	WAC-05	3rd Ave. North	Street end and pipe discharge	1/16/2017	11:50	High	10:54	32.3		<10	Grab
E17-0109	WAC-04	WAC-04	16th Ave. North	Street end and pipe discharge	1/16/2017	11:58	High	10:54	32.6		<10	Grab
E17-0110	WAC-03	WAC-03	30th Ave. North	Street end	1/16/2017	12:06	High	10:54	32.7		<10	Grab
E17-0110	WAC-03	WAC-03	30th Ave. North	Street end	1/16/2017	12:06	High	10:54	32.7		<10	LD
E17-0111	WAC-03	WAC-03	30th Ave. North	Street end	1/16/2017	12:06	High	10:54	32.7		<10	FD
E17-0112	WAC-02	WAC-02	45th Ave. North	Street end	1/16/2017	12:14	High	10:54	31.9		<10	Grab
E17-0113	WAC-01	WAC-01	59th Ave. North	Street end	1/16/2017	12:23	High	10:54	32.1		<10	Grab
E17-0149	WAC-09A	WAC-09A	White Pt. Swash	Swash confluence	1/23/2017	11:10	Low	10:47	18.66		1918	Grab
E17-0150	WAC-09	WAC-09	47th Ave. South	Street end	1/23/2017	11:22	Low	10:47	31.8		84	Grab
E17-0151	WAC-08	WAC-08	33rd Ave. South	Street end and pipe discharge	1/23/2017	11:31	Low	10:47	32.0		75	Grab
E17-0152	WAC-07	WAC-07	17th Ave. South	Street end and pipe discharge	1/23/2017	11:40	Low	10:47	31.6		20	Grab
E17-0153	WAC-06	WAC-06	9th Ave. South	Street end and pipe discharge	1/23/2017	11:53	Low	10:47	32.1		30	Grab

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E17-0154	WAC-05A	WAC-05A	7th Ave. South	Street end and pipe discharge	1/23/2017	11:48	Low	10:47	32.1		10	Grab
E17-0155	WAC-05	WAC-05	3rd Ave. North	Street end and pipe discharge	1/23/2017	11:59	Low	10:47	32.1		41	Grab
E17-0156	WAC-04	WAC-04	16th Ave. North	Street end and pipe discharge	1/23/2017	12:00	Low	10:47	32.1		20	Grab
E17-0157	WAC-03	WAC-03	30th Ave. North	Street end	1/23/2017	12:11	Low	10:47	31.9		10	Grab
E17-0158	WAC-02	WAC-02	45th Ave. North	Street end	1/23/2017	12:19	Low	10:47	31.9		<10	Grab
E17-0158	WAC-02	WAC-02	45th Ave. North	Street end	1/23/2017	12:19	Low	10:47	31.9		10	LD
E17-0159	WAC-02	WAC-02	45th Ave. North	Street end	1/23/2017	12:19	Low	10:47	31.9		<10	FD
E17-0160	WAC-01	WAC-01	59th Ave. North	Street end	1/23/2017	12:26	Low	10:47	31.6		20	Grab
E17-0187	WAC-09A	WAC-09A	White Pt. Swash	Swash confluence	1/30/2017	11:38	High	9:34	34.6		<10	Grab
E17-0188	WAC-09	WAC-09	47th Ave. South	Street end	1/30/2017	11:52	High	9:34	34.8		<10	Grab
E17-0189	WAC-08	WAC-08	33rd Ave. South	Street end and pipe discharge	1/30/2017	12:02	High	9:34	34.9		<10	Grab
E17-0190	WAC-07	WAC-07	17th Ave. South	Street end and pipe discharge	1/30/2017	12:17	High	9:34	34.9		<10	Grab
E17-0191	WAC-06	WAC-06	9th Ave. South	Street end and pipe discharge	1/30/2017	12:35	High	9:34	34.9		20	Grab
E17-0192	WAC-05A	WAC-05A	7th Ave. South	Street end and pipe discharge	1/30/2017	12:30	High	9:34	34.9		10	Grab
E17-0193	WAC-05	WAC-05	3rd Ave. North	Street end and pipe discharge	1/30/2017	12:45	Low	15:52	34.9		<10	Grab
E17-0194	WAC-04	WAC-04	16th Ave. North	Street end and pipe discharge	1/30/2017	12:54	Low	15:52	34.9		31	Grab
E17-0195	WAC-03	WAC-03	30th Ave. North	Street end	1/30/2017	13:04	Low	15:52	35.0		988	Grab
E17-0196	WAC-02	WAC-02	45th Ave. North	Street end	1/30/2017	13:13	Low	15:52	35.0		<10	Grab
E17-0197	WAC-01	WAC-01	59th Ave. North	Street end	1/30/2017	13:23	Low	15:52	35.0		<10	Grab
E17-0197	WAC-01	WAC-01	59th Ave. North	Street end	1/30/2017	13:23	Low	15:52	35.0		<10	LD
E17-0198	WAC-01	WAC-01	59th Ave. North	Street end	1/30/2017	13:23	Low	15:52	35.0		<10	FD

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