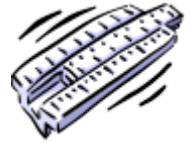


***PUBLIC WORKS DEPARTMENT
Monthly Report***

***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***



July 2018

Public Works Department

Monthly Statistics

	2018	2017
Water Supply & Demand – May		
• Monthly Avg. Day System	6.0 MGD	6.1 MGD
• Average Day Measured**	4.6 MGD	5.7 MGD
• Monthly Total System Water	185,925,800 Gallons	189,453,700 Gallons
• Billed Water**	139,887,000 Gallons	172,283,000 Gallons
Wastewater Collection & Treatment - May		
• Monthly Average Daily Flow	4.1 MGD	3.6 MGD
• Monthly Peak Daily Flow	8.4 MGD	5.9 MGD
• Total Metered Flow**	3.7 MGD	4.2 MGD
• Billed Usage**	112,402,000 Gallons	130,231,000 Gallons
• Unbilled Usage**	630,000 Gallons	583,000 Gallons
Solid Waste Collection & Disposal – May		
• Volume		
○ MSW	1,216 Tons	1,250 Tons
○ Yard Waste	507 Tons	532 Tons
○ Recycled (Includes E-Waste)	225 Tons	181 Tons
○ C & D	118 Tons	212 Tons
○ Total Pick-up/Disposal	2,066 Tons	2,175 Tons
• Recycling %	19%	15%
• Landfill Disposal Cost	\$56,829	\$47,480

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

Departmental Notes – July 2018

- *Capital Project Update attached*
- *Beach WQ Report attached*
- *Cherry Grove Oyster Mitigation Project Complete*

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	Construction 0%	Construction Delayed until Fall 2018
		City Force/ R.H. Moore	\$1,500,000		
Sewer System Improvements - OD	Ocean Drive – Tilghman Section	Dupree	Impact	Construction 50%	Construction Delayed until Fall 2018
		RH Moore	\$2,750,000		
South Ocean Boulevard Water/Sewer Crescent Beach	17 th Avenue South to 28 th Avenue South	DDC	Impact	Construction 95%	Continue Construction
		RH Moore	\$2,000,000		
AIWW Retaining Wall	Ocean Drive WWTP	Dupree	WWTP	Construction 95%	Continue Construction
		Greenwall	\$1,435,000		
		City Force	\$175,000		
Riverside Drive Sewer	Riverside Dr. LRN Rd. to end	Dupree	\$175,000	Design 70%	Continue Designs - Obtain Easements
		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	Model Analysis
		TBD	TBD		
Duffy St Water Tank Painting	31 st Ave N/Duffy St	AECOM TBD	Operating TBD	80% Design	Bid May 2018 Construction Winter 2018/2019

Storm Drainage System Improvements

Description	Location	Engineer / Contractor	Funding Source / Cost	Status	Progress & Goal
Priority Group 3 Drainage System Improvements	Various	Thompson	Stormwater	Preliminary Design	Continue Design
		Dupree	\$700,000		
Priority Group 2 Drainage System Improvements	Various	Dupree	Stormwater	95% Construction	Continue Construction
		AASAP	\$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 100%	Complete
		AASAP	\$660,000		
18 th Avenue North Ocean Outfall	Ocean Drive	DDC	Stormwater	Design and Permit Complete	Construction Fall 2019
		TBD	TBD		

Beach Improvements

Description	Location	Engineer / Contractor	Funding Source / Cost	Status	Progress & Goal
Beach Dune Restoration	Various	City/	Dredging	Construction 100%	Continue Construction
		AO Hardee	\$616,000		
Beach Access Handicap Boardwalks - 2017	8 th Ave N 23 rd Ave S 57 th Ave N	Thompson	Street Improvement	Construction 100%	Complete
		Sellers Construction	\$100,000		
Beach Renourishment	OD/CB	USACE	Beach	2018 Emergency Work Approved	Funding & Contract Award by USACE
		GLDD	USACE		

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 – 95%	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 - 50%	Continue Construction
		RH Moore	\$3,950,000		
South Ocean Boulevard ECT Crescent Beach	17 th Avenue South to 28 th Avenue South	DDC	Franchise	Construction – 80%	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 Traffic Signal Mast Arm Installation
		Palmetto	\$3,329,000		
Highway 17 ECT Windy Hill	Ocean Creek to WH Rd. Ext.	DDC	Franchise Fund	Construction – 100%	Complete
		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		
Resurfacing – Spring 2018	Various	Dupree	Street Improvement/CTC	Construction – 20%	Continue Paving
		Palmetto Corp	\$500,000		
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/CTC	Design complete.	Construction Summer 2018
		TBD	\$95,000		
RIDE III Street Resurfacing	Citywide	City	RIDE III	Construction - 10%	Continue Paving
		Palmetto	\$985,512		
NOB ECT 29 th N to 34 th N	Cherry Grove	Mead & Hunt	Franchise Fund	Design – 95%	Construction Delayed to Fall 2019
		TBD	\$2,000,000		

MISC Improvements

Description	Location	Engineer / Contractor	Funding Source / Cost	Status	Progress & Goal
Fire Station #3 Driveways	33 rd Ave S	Dupree	Fire Rescue	Construction – 0%	Out to Bid Construction Fall 2018
		TBD			
NMB Sports Complex Boardwalk	NMB Sports Complex	Dupree / Blayton	Parks / Rec	Construction – 90%	Continue Construction
		Sellers			



North Myrtle Beach - Ocean Monitoring
Official Results for May 2018

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
E18-0878	WAC-09A		WAC-09A	White Pt. Swash	Swash confluence	5/9/2018	8:14	Low	10:00	34.5		74	Grab
E18-0879	WAC-09		WAC-09	47th Ave. South	Street end	5/9/2018	8:26	Low	10:00	34.8		10	Grab
E18-0880	WAC-08		WAC-08	33rd Ave. South	Street end and pipe discharge	5/9/2018	8:37	Low	10:00	34.7		<10	Grab
E18-0881	WAC-07		WAC-07	17th Ave. South	Street end and pipe discharge	5/9/2018	8:48	Low	10:00	34.4		<10	Grab
E18-0882	WAC-06		WAC-06	9th Ave. South	Street end and pipe discharge	5/9/2018	9:02	Low	10:00	34.2		<10	Grab
E18-0883	WAC-05A		WAC-05A	7th Ave. South	Street end and pipe discharge	5/9/2018	8:57	Low	10:00	34.1		<10	Grab
E18-0884	WAC-05		WAC-05	3rd Ave. North	Street end and pipe discharge	5/9/2018	9:12	Low	10:00	34.1		<10	Grab
E18-0885	WAC-04		WAC-04	16th Ave. North	Street end and pipe discharge	5/9/2018	9:22	Low	10:00	34.0		<10	Grab
E18-0886	WAC-03		WAC-03	30th Ave. North	Street end	5/9/2018	9:30	Low	10:00	33.8		10	Grab
E18-0887	WAC-02		WAC-02	45th Ave. North	Street end	5/9/2018	9:39	Low	10:00	33.9		<10	Grab
E18-0887	WAC-02		WAC-02	45th Ave. North	Street end	5/9/2018	9:39	Low	10:00	33.9		20	LD
E18-0888	WAC-02		WAC-02	45th Ave. North	Street end	5/9/2018	9:39	Low	10:00	33.9		10	FD
E18-0889	WAC-01		WAC-01	59th Ave. North	Street end	5/9/2018	9:48	Low	10:00	33.9		<10	Grab
E18-0916	WAC-09A		WAC-09A	White Pt. Swash	Swash confluence	5/16/2018	8:04	High	9:31	34.6		10	Grab
E18-0917	WAC-09		WAC-09	47th Ave. South	Street end	5/16/2018	8:15	High	9:31	34.6		31	Grab
E18-0918	WAC-08		WAC-08	33rd Ave. South	Street end and pipe discharge	5/16/2018	8:24	High	9:31	34.7		10	Grab
E18-0919	WAC-07		WAC-07	17th Ave. South	Street end and pipe discharge	5/16/2018	8:34	High	9:31	34.5		10	Grab
E18-0920	WAC-06		WAC-06	9th Ave. South	Street end and pipe discharge	5/16/2018	8:48	High	9:31	34.7		<10	Grab
E18-0921	WAC-05A		WAC-05A	7th Ave. South	Street end and pipe discharge	5/16/2018	8:43	High	9:31	34.6		10	Grab
E18-0922	WAC-05		WAC-05	3rd Ave. North	Street end and pipe discharge	5/16/2018	8:56	High	9:31	34.4		20	Grab
E18-0923	WAC-04		WAC-04	16th Ave. North	Street end and pipe discharge	5/16/2018	9:04	High	9:31	34.5		<10	Grab
E18-0924	WAC-03		WAC-03	30th Ave. North	Street end	5/16/2018	9:10	High	9:31	34.4		<10	Grab
E18-0925	WAC-02		WAC-02	45th Ave. North	Street end	5/16/2018	9:17	High	9:31	34.2		10	Grab
E18-0926	WAC-01		WAC-01	59th Ave. North	Street end	5/16/2018	9:26	High	9:31	34.2		10	Grab
E18-0926	WAC-01		WAC-01	59th Ave. North	Street end	5/16/2018	9:26	High	9:31	34.2		<10	LD
E18-0927	WAC-01		WAC-01	59th Ave. North	Street end	5/16/2018	9:26	High	9:31	34.2		<10	FD
E18-0937	WAC-09A		WAC-09A	White Pt. Swash	Swash confluence	5/21/2018	8:15	Low	8:05	32.8		96	Grab



North Myrtle Beach - Ocean Monitoring
Official Results for May 2018

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
E18-0937	WAC-09A		WAC-09A	White Pt. Swash	Swash confluence	5/21/2018	8:15	Low	8:05	32.8		51	LD
E18-0938	WAC-09A		WAC-09A	White Pt. Swash	Swash confluence	5/21/2018	8:15	Low	8:05	32.9		97	FD
E18-0939	WAC-09		WAC-09	47th Ave. South	Street end	5/21/2018	8:29	Low	8:05	34.4		10	Grab
E18-0940	WAC-08		WAC-08	33rd Ave. South	Street end and pipe discharge	5/21/2018	8:39	Low	8:05	34.4		20	Grab
E18-0941	WAC-07		WAC-07	17th Ave. South	Street end and pipe discharge	5/21/2018	8:51	Low	8:05	34.1		20	Grab
E18-0942	WAC-06		WAC-06	9th Ave. South	Street end and pipe discharge	5/21/2018	9:00	Low	8:05	34.0		10	Grab
E18-0943	WAC-05A		WAC-05A	7th Ave. South	Street end and pipe discharge	5/21/2018	9:05	Low	8:05	34.0		<10	Grab
E18-0944	WAC-05		WAC-05	3rd Ave. North	Street end and pipe discharge	5/21/2018	9:16	Low	8:05	33.9		<10	Grab
E18-0945	WAC-04		WAC-04	16th Ave. North	Street end and pipe discharge	5/21/2018	9:25	Low	8:05	34.0		20	Grab
E18-0946	WAC-03		WAC-03	30th Ave. North	Street end	5/21/2018	9:33	Low	8:05	33.9		10	Grab
E18-0947	WAC-02		WAC-02	45th Ave. North	Street end	5/21/2018	9:42	Low	8:05	33.7		<10	Grab
E18-0948	WAC-01		WAC-01	59th Ave. North	Street end	5/21/2018	9:52	Low	8:05	33.6		<10	Grab
E18-0995	WAC-09A		WAC-09A	White Pt. Swash	Swash confluence	5/28/2018	10:21	High	7:55	24.9		12033	Grab
E18-0996	WAC-09		WAC-09	47th Ave. South	Street end	5/28/2018	10:33	High	7:55	33.2		226	Grab
E18-0996	WAC-09		WAC-09	47th Ave. South	Street end	5/28/2018	10:33	High	7:55	33.2		130	LD
E18-0997	WAC-09		WAC-09	47th Ave. South	Street end	5/28/2018	10:33	High	7:55	33.3		173	FD
E18-0998	WAC-08		WAC-08	33rd Ave. South	Street end and pipe discharge	5/28/2018	10:43	High	7:55	32.5		767	Grab
E18-0999	WAC-07		WAC-07	17th Ave. South	Street end and pipe discharge	5/28/2018	10:57	High	7:55	32.1		2508	Grab
E18-1000	WAC-06		WAC-06	9th Ave. South	Street end and pipe discharge	5/28/2018	11:11	Low	14:06	31.8		1017	Grab
E18-1001	WAC-05A		WAC-05A	7th Ave. South	Street end and pipe discharge	5/28/2018	11:06	Low	14:06	32.1		697	Grab
E18-1002	WAC-05		WAC-05	3rd Ave. North	Street end and pipe discharge	5/28/2018	11:20	Low	14:06	31.9		571	Grab
E18-1003	WAC-04		WAC-04	16th Ave. North	Street end and pipe discharge	5/28/2018	11:31	Low	14:06	31.9		10	Grab
E18-1004	WAC-03		WAC-03	30th Ave. North	Street end	5/28/2018	11:40	Low	14:06	31.9		10	Grab
E18-1005	WAC-02		WAC-02	45th Ave. North	Street end	5/28/2018	11:50	Low	14:06	31.6		30	Grab
E18-1006	WAC-01		WAC-01	59th Ave. North	Street end	5/28/2018	12:00	Low	14:06	31.2		279	Grab