

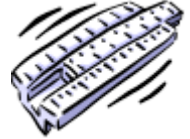
PUBLIC WORKS DEPARTMENT

Monthly Report

***Kevin D. Blayton, PE
Director***



***ENGINEERING DIVISION
Engineering Manager***



***UTILITY DIVISION
Ralph Norris, Operations Manager***



***STREET & DRAINAGE DIVISION
Robert Turner, Operations Manager***



***SANITATION DIVISION
Lent Williams, Operations Manger***



***FLEET MAINTENANCE DIVISION
Delton Grissett, Superintendent***



***FACILITIES MAINTENANCE DIVISION
Richard Vernon, Supervisor***



December 2018

Public Works Department

Monthly Statistics

	2018	2017
Water Supply & Demand –		
• Average Daily Water Use	4.7 MGD	5.7 MGD
• Water Pumped	145,820,860 Gallons	176,982,350 Gallons
• Water Billed**	198,615,000 Gallons	199,897,000 Gallons
Wastewater Collection/Treatment -		
• Average Daily Sewer Treated	4.7 MGD	4.0 MGD
• Peak Daily Sewer Treated	8.6 MGD	6.2 MGD
• Sewer Billed**	153,019,000 Gallons	150,163,000 Gallons
• Sewer Unbilled**	718,000 Gallons	690,000 Gallons
Solid Waste Collection & Disposal – October		
• Volume		
○ MSW	1,005 Tons	951 Tons
○ Yard Waste	667 Tons	319 Tons
○ Recycled (Includes E-Waste)	179 Tons	166 Tons
○ C & D	138 Tons	599 Tons
○ Total Pick-up/Disposal	1,989 Tons	2,035 Tons
• Recycling %	18%	18%
• Landfill Disposal Cost	\$55,471	\$55,249
Fleet Maintenance -		
• Preventative Maintenance		
○ # Vehicles	142	
○ Cost	\$47,105	
• Repairs		
○ # Vehicles	93	
○ Cost	\$121,543	
Facility Maintenance -		
• # Work Order Requests	77	
• Cost	\$6,583	

MGD=Million Gallons per Day

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

Public Works Department Capital Improvement Project Update

Water and Sewer System Improvements

Description	Location	Design	Fund	Status	Progress & Goal
		Construction	Cost		
Water System Improvements - CG	East Cherry Grove	City	Impact	Construction 10%	Continue
		R.H. Moore	\$1,500,000		
Sewer System Improvements - OD	Ocean Drive – Tilghman Section	City	Impact	Construction 50%	Continue
		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
		RH Moore	\$2,000,000		
AIWW Retaining Wall	Ocean Drive WWTP	Design-Build	WWTP	Construction Complete	Close-out
		Greenwall	\$1,435,000		
Riverside Drive Sewer	Riverside Dr. LRN Rd. to end	City	Impact	Design Complete	SCDHEC Permit & Bid
		TBD	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	TBD	Impact	Preliminary Design	Select Consultant
		TBD	TBD		
Duffy St Water Tank Painting	31 st Ave N/Duffy St	AECOM	Operating	Design Complete	Bid October 4
		Utility Service Co.	\$1,250,000		

Storm Drainage System Improvements

Description	Location	Design	Fund	Status	Progress & Goal
		Construction	Cost		
Priority Group 3/4 Drainage Imp	Various	City	Stormwater	Survey/Design	Continue Design
		TBD	\$700,000		
18 th Avenue North Ocean Outfall	Ocean Drive	DDC	Stormwater	Design and Permit Complete	Fall 2019
		TBD	TBD		

Beach Improvements

Description	Location	Design	Fund	Status	Progress & Goal
		Construction	Cost		
Emergency Beach Access	5 th Ave North	HRT	Street Improvement	Design Complete	Bid November
		TBD	TBD		
Beach Access 2018	8 Locations	HRT	Street Improvement	Design Complete	Bid November
		TBD	TBD		
Beach Renourishment	OD/CB	USACE	Beach	USACE Contract Awarded	Begin Reach 1 November 2018
		GLDD	\$4.8 M		
Beach Parking Study	Citywide	TBD	TBD	Consultant Agreement	Begin Study

Street Improvements

Description	Location	Design	Fund	Status	Progress & Goal
		Construction	Cost		
11 th Ave N Widening	11 th Ave N – Hwy 17 to Golfview Drive	Stantec	Various	Construction 99%	Complete 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
		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
		RH Moore	\$8,000,000		
Resurfacing – 2018	Various	City	Street Improvement/CTC	Construction 75%	Continue Paving
		Palmetto Corp	\$500,000		
2 nd Avenue North Widening	Highway 17 at 2 nd Avenue North	City	Street Improvement	Design complete.	Re-bid for construction
		TBD	TBD		
RIDE III Street Resurfacing	Citywide	City	RIDE III	Construction Complete	Closeout
		Palmetto	\$985,512		
NOB ECT	Cherry Grove - 29 th N to 34 th N	Mead & Hunt	Franchise Fund	Design Complete	Fall 2019
		TBD	TBD		
LRN Road Path	LRN Road	HRT	TBD	Survey/Design 50%	Complete Survey & Secure Funding
		TBD	TBD		
Edge Parkway Path	Edge Pkwy.	HRT	TBD	Preliminary Design	Secure Funding
		TBD	TBD		

Building/Park Improvements

Description	Location	Design	Fund	Status	Progress & Goal
		Construction	Cost		
Fire Station #3 Driveways	33 rd Ave S	HRT	Fire	Design Complete	Re-Bid for construction
		TBD	TBD		
NMB Sports Complex Boardwalk	Cypress Swamp	HRT	Parks	Construction Complete	Closeout
		Sellers			
Transfer Station Improvements	2 nd Avenue South	HRT	Sanitation	Design 50%	Complete Design
		TBD	TBD		
53 rd Ave Pier Replacement	53 rd Boat Ramp	HRT	TBD	Design Complete	Bid November
		TBD	TBD		



**North Myrtle Beach - Ocean Monitoring
Official Results for October 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
E18-1749	WAC-09A		WAC-09A	White Pt. Swash	Swash confluence	10/3/2018	8:19	Low	9:14	23.8		183	Grab
E18-1750	WAC-09		WAC-09	47th Ave. South	Street end	10/3/2018	8:30	Low	9:14	25.7		52	Grab
E18-1751	WAC-08		WAC-08	33rd Ave. South	Street end and pipe discharge	10/3/2018	8:40	Low	9:14	26.1		10	Grab
E18-1752	WAC-07		WAC-07	17th Ave. South	Street end and pipe discharge	10/3/2018	8:51	Low	9:14	26.2		84	Grab
E18-1753	WAC-06		WAC-06	9th Ave. South	Street end and pipe discharge	10/3/2018	9:05	Low	9:14	26.0		41	Grab
E18-1754	WAC-05A		WAC-05A	7th Ave. South	Street end and pipe discharge	10/3/2018	9:00	Low	9:14	26.0		41	Grab
E18-1755	WAC-05		WAC-05	3rd Ave. North	Street end and pipe discharge	10/3/2018	9:14	Low	9:14	26.0		75	Grab
E18-1756	WAC-04		WAC-04	16th Ave. North	Street end and pipe discharge	10/3/2018	9:23	Low	9:14	26.2		85	Grab
E18-1756	WAC-04		WAC-04	16th Ave. North	Street end and pipe discharge	10/3/2018	9:23	Low	9:14	26.2		98	LD
E18-1757	WAC-04		WAC-04	16th Ave. North	Street end and pipe discharge	10/3/2018	9:23	Low	9:14	26.2		63	FD
E18-1758	WAC-03		WAC-03	30th Ave. North	Street end	10/3/2018	9:30	Low	9:14	26.9		145	Grab
E18-1759	WAC-02		WAC-02	45th Ave. North	Street end	10/3/2018	9:39	Low	9:14	24.9		41	Grab
E18-1760	WAC-01		WAC-01	59th Ave. North	Street end	10/3/2018	9:46	Low	9:14	24.6		259	Grab
E18-1795	WAC-09A		WAC-09A	White Pt. Swash	Swash confluence	10/8/2018	10:30	High	8:05	29.3		368	Grab
E18-1796	WAC-09		WAC-09	47th Ave. South	Street end	10/8/2018	10:41	High	8:05	30.0		52	Grab
E18-1797	WAC-08		WAC-08	33rd Ave. South	Street end and pipe discharge	10/8/2018	10:49	High	8:05	29.0		20	Grab
E18-1798	WAC-07		WAC-07	17th Ave. South	Street end and pipe discharge	10/8/2018	11:00	High	8:05	28.3		63	Grab
E18-1799	WAC-06		WAC-06	9th Ave. South	Street end and pipe discharge	10/8/2018	11:14	Low	14:15	28.1		74	Grab
E18-1800	WAC-05A		WAC-05A	7th Ave. South	Street end and pipe discharge	10/8/2018	11:09	High	8:05	28.1		85	Grab
E18-1801	WAC-05		WAC-05	3rd Ave. North	Street end and pipe discharge	10/8/2018	11:22	Low	14:15	28.0		62	Grab
E18-1802	WAC-04		WAC-04	16th Ave. North	Street end and pipe discharge	10/8/2018	11:31	Low	14:15	28.6		74	Grab
E18-1803	WAC-03		WAC-03	30th Ave. North	Street end	10/8/2018	11:39	Low	14:15	28.4		74	Grab
E18-1803	WAC-03		WAC-03	30th Ave. North	Street end	10/8/2018	11:39	Low	14:15	28.4		74	LD
E18-1804	WAC-03		WAC-03	30th Ave. North	Street end	10/8/2018	11:39	Low	14:15	28.3		41	FD
E18-1805	WAC-02		WAC-02	45th Ave. North	Street end	10/8/2018	11:48	Low	14:15	29.1		31	Grab
E18-1806	WAC-01		WAC-01	59th Ave. North	Street end	10/8/2018	11:58	Low	14:15	28.9		41	Grab
E18-1852	WAC-09A		WAC-09A	White Pt. Swash	Swash confluence	10/15/2018	10:45	High	13:40	30.2		<10	Grab



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Official Results for October 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
E18-1853	WAC-09		WAC-09	47th Ave. South	Street end	10/15/2018	10:56	High	13:40	30.1		<10	Grab
E18-1854	WAC-08		WAC-08	33rd Ave. South	Street end and pipe discharge	10/15/2018	11:05	High	13:40	30.3		10	Grab
E18-1855	WAC-07		WAC-07	17th Ave. South	Street end and pipe discharge	10/15/2018	11:16	High	13:40	30.3		20	Grab
E18-1856	WAC-06		WAC-06	9th Ave. South	Street end and pipe discharge	10/15/2018	11:31	High	13:40	30.2		52	Grab
E18-1857	WAC-05A		WAC-05A	7th Ave. South	Street end and pipe discharge	10/15/2018	11:26	High	13:40	30.3		31	Grab
E18-1858	WAC-05		WAC-05	3rd Ave. North	Street end and pipe discharge	10/15/2018	11:38	High	13:40	30.0		51	Grab
E18-1859	WAC-04		WAC-04	16th Ave. North	Street end and pipe discharge	10/15/2018	11:47	High	13:40	30.1		<10	Grab
E18-1860	WAC-03		WAC-03	30th Ave. North	Street end	10/15/2018	11:52	High	13:40	30.2		20	Grab
E18-1861	WAC-02		WAC-02	45th Ave. North	Street end	10/15/2018	12:01	High	13:40	29.9		<10	Grab
E18-1861	WAC-02		WAC-02	45th Ave. North	Street end	10/15/2018	12:01	High	13:40	29.9		20	LD
E18-1862	WAC-02		WAC-02	45th Ave. North	Street end	10/15/2018	12:01	High	13:40	29.8		10	FD
E18-1863	WAC-01		WAC-01	59th Ave. North	Street end	10/15/2018	12:10	High	13:40	29.8		<10	Grab
E18-1899	WAC-09A		WAC-09A	White Pt. Swash	Swash confluence	10/22/2018	11:02	Low	13:14	30.4		85	Grab
E18-1900	WAC-09		WAC-09	47th Ave. South	Street end	10/22/2018	11:13	Low	13:14	31.3		<10	Grab
E18-1901	WAC-08		WAC-08	33rd Ave. South	Street end and pipe discharge	10/22/2018	11:23	Low	13:14	31.3		10	Grab
E18-1902	WAC-07		WAC-07	17th Ave. South	Street end and pipe discharge	10/22/2018	11:35	Low	13:14	31.4		<10	Grab
E18-1903	WAC-06		WAC-06	9th Ave. South	Street end and pipe discharge	10/22/2018	11:50	Low	13:14	31.4		10	Grab
E18-1904	WAC-05A		WAC-05A	7th Ave. South	Street end and pipe discharge	10/22/2018	11:45	Low	13:14	31.4		<10	Grab
E18-1905	WAC-05		WAC-05	3rd Ave. North	Street end and pipe discharge	10/22/2018	11:58	Low	13:14	31.4		<10	Grab
E18-1906	WAC-04		WAC-04	16th Ave. North	Street end and pipe discharge	10/22/2018	12:07	Low	13:14	31.5		<10	Grab
E18-1907	WAC-03		WAC-03	30th Ave. North	Street end	10/22/2018	12:14	Low	13:14	31.5		<10	Grab
E18-1908	WAC-02		WAC-02	45th Ave. North	Street end	10/22/2018	12:23	Low	13:14	31.5		<10	Grab
E18-1909	WAC-01		WAC-01	59th Ave. North	Street end	10/22/2018	12:33	Low	13:14	31.5		10	Grab
E18-1909	WAC-01		WAC-01	59th Ave. North	Street end	10/22/2018	12:33	Low	13:14	31.5		<10	LD
E18-1910	WAC-01		WAC-01	59th Ave. North	Street end	10/22/2018	12:33	Low	13:14	31.5		<10	FD
E18-1967	WAC-09A		WAC-09A	White Pt. Swash	Swash confluence	10/29/2018	10:54	High	12:08	32.4		<10	Grab
E18-1967	WAC-09A		WAC-09A	White Pt. Swash	Swash confluence	10/29/2018	10:54	High	12:08	32.4		10	LD



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E18-1968	WAC-09A		WAC-09A	White Pt. Swash	Swash confluence	10/29/2018	11:05	High	12:08	32.6		<10	FD
E18-1969	WAC-09		WAC-09	47th Ave. South	Street end	10/29/2018	11:05	High	12:08	32.7		20	Grab
E18-1970	WAC-08		WAC-08	33rd Ave. South	Street end and pipe discharge	10/29/2018	11:12	High	12:08	32.7		20	Grab
E18-1971	WAC-07		WAC-07	17th Ave. South	Street end and pipe discharge	10/29/2018	11:22	High	12:08	32.6		10	Grab
E18-1972	WAC-06		WAC-06	9th Ave. South	Street end and pipe discharge	10/29/2018	11:37	High	12:08	32.5		10	Grab
E18-1973	WAC-05A		WAC-05A	7th Ave. South	Street end and pipe discharge	10/29/2018	11:32	High	12:08	32.6		31	Grab
E18-1974	WAC-05		WAC-05	3rd Ave. North	Street end and pipe discharge	10/29/2018	11:43	High	12:08	32.6		20	Grab
E18-1975	WAC-04		WAC-04	16th Ave. North	Street end and pipe discharge	10/29/2018	11:51	High	12:08	32.6		20	Grab
E18-1976	WAC-03		WAC-03	30th Ave. North	Street end	10/29/2018	11:57	High	12:08	32.5		20	Grab
E18-1977	WAC-02		WAC-02	45th Ave. North	Street end	10/29/2018	12:03	High	12:08	32.4		<10	Grab
E18-1978	WAC-01		WAC-01	59th Ave. North	Street end	10/29/2018	12:10	High	12:08	32.4		31	Grab