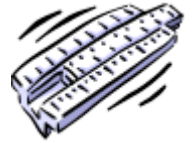


***PUBLIC WORKS DEPARTMENT
Monthly Report***

***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***



October 2017

Public Works Department

Monthly Statistics

	2017	2016
Water Supply & Demand – August		
• Monthly Avg. Day System	7.3 MGD	7.8 MGD
• Average Day Measured**	8.6 MGD	6.9 MGD
• Monthly Total System Water	227,051,000 Gallons	241,980,900 Gallons
• Billed Water**	260,683,000 Gallons	210,235,000 Gallons
Wastewater Collection & Treatment - August		
• Monthly Average Daily Flow	5.1 MGD	3.8 MGD
• Monthly Peak Daily Flow	7.1 MGD	4.1 MGD
• Total Metered Flow**	6.3 MGD	6.9 MGD
• Billed Usage**	192,715,000 Gallons	210,235,000 Gallons
• Unbilled Usage**	960,000 Gallons	3,820,000 Gallons
Solid Waste Collection & Disposal – September		
• 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 – October 2017

- *Capital Project Update attached*
- *CCU Monthly Report – August*
- *Beach renourishment commenced work at Cherry Grove*

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 October 2017
		City Force/TBD	\$1,500,000		
Sewer System Improvements - OD	Ocean Drive – Tilghman Section	Dupree	Impact	Construction 20%	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 60%	Continue Construction
		RH Moore	\$2,000,000		
AIWW Retaining Wall	Ocean Drive WWTP	Dupree	WWTP	Construction 50%	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	30% 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 20%	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 0%	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	Design Complete	Bid September 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 – 20%	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	Design - 100%	At SCDOT For construction approval
		TBD	\$3,950,000		
South Ocean Boulevard ECT Crescent Beach	17 th Avenue South to 28 th Avenue South	DDC	Franchise	Construction – 40%	Continue Construction
		RH Moore	\$8,000,000		
Highway 17 Intersections Windy Hill	Ocean Creek to Barefoot Resort Bridge Rd.	SCDOT - STV	SCDOT - GSATS	Construction – 50%	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 – 90%	Continue Construction
		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 – 100%	Bid September 2017
		TBD	\$1,500,000		
RIDE III Street Resurfacing	Citywide	City	RIDE III	Design – 100%	Bid October 2017
		TBD	\$985,512		
NOB ECT 29 th N to 34 th N	Cherry Grove	Mead & Hunt	Franchise Fund	Design – 50%	Continue Design
		TBD	\$2,000,000		



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North Myrtle Beach - Ocean Monitoring Official Results for August 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
E17-1487	WAC-09A	WAC-09A	White Pt. Swash	Swash confluence	8/2/2017	8:07	Low	10:47	36.1		10	Grab
E17-1488	WAC-09	WAC-09	47th Ave. South	Street end	8/2/2017	8:17	Low	10:47	36.2		<10	Grab
E17-1489	WAC-08	WAC-08	33rd Ave. South	Street end and pipe discharge	8/2/2017	8:27	Low	10:47	36.2		<10	Grab
E17-1490	WAC-07	WAC-07	17th Ave. South	Street end and pipe discharge	8/2/2017	8:41	Low	10:47	36.2		<10	Grab
E17-1490	WAC-07	WAC-07	17th Ave. South	Street end and pipe discharge	8/2/2017	8:41	Low	10:47	36.2		<10	LD
E17-1491	WAC-07	WAC-07	17th Ave. South	Street end and pipe discharge	8/2/2017	8:41	Low	10:47	36.2		<10	FD
E17-1492	WAC-06	WAC-06	9th Ave. South	Street end and pipe discharge	8/2/2017	8:56	Low	10:47	36.2		<10	Grab
E17-1493	WAC-05A	WAC-05A	7th Ave. South	Street end and pipe discharge	8/2/2017	8:51	Low	10:47	36.1		<10	Grab
E17-1494	WAC-05	WAC-05	3rd Ave. North	Street end and pipe discharge	8/2/2017	9:06	Low	10:47	36.1		<10	Grab
E17-1495	WAC-04	WAC-04	16th Ave. North	Street end and pipe discharge	8/2/2017	9:15	Low	10:47	35.9		<10	Grab
E17-1496	WAC-03	WAC-03	30th Ave. North	Street end	8/2/2017	9:24	Low	10:47	35.8		10	Grab
E17-1497	WAC-02	WAC-02	45th Ave. North	Street end	8/2/2017	9:32	Low	10:47	35.7		10	Grab
E17-1498	WAC-01	WAC-01	59th Ave. North	Street end	8/2/2017	9:42	Low	10:47	35.8		<10	Grab
E17-1536	WAC-09A	WAC-09A	White Pt. Swash	Swash confluence	8/9/2017	8:02	High	9:48	36.0		10	Grab
E17-1537	WAC-09	WAC-09	47th Ave. South	Street end	8/9/2017	8:12	High	9:48	35.9		52	Grab
E17-1538	WAC-08	WAC-08	33rd Ave. South	Street end and pipe discharge	8/9/2017	8:18	High	9:48	35.9		10	Grab
E17-1539	WAC-07	WAC-07	17th Ave. South	Street end and pipe discharge	8/9/2017	8:28	High	9:48	36.0		20	Grab
E17-1540	WAC-06	WAC-06	9th Ave. South	Street end and pipe discharge	8/9/2017	8:42	High	9:48	36.0		31	Grab
E17-1540	WAC-06	WAC-06	9th Ave. South	Street end and pipe discharge	8/9/2017	8:42	High	9:48	36.0		20	LD
E17-1541	WAC-06	WAC-06	9th Ave. South	Street end and pipe discharge	8/9/2017	8:42	High	9:48	36.0		20	FD
E17-1542	WAC-05A	WAC-05A	7th Ave. South	Street end and pipe discharge	8/9/2017	8:38	High	9:48	36.0		10	Grab
E17-1543	WAC-05	WAC-05	3rd Ave. North	Street end and pipe discharge	8/9/2017	8:50	High	9:48	36.1		128	Grab

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E17-1544	WAC-04	WAC-04	16th Ave. North	Street end and pipe discharge	8/9/2017	8:57	High	9:48	36.1		51	Grab
E17-1545	WAC-03	WAC-03	30th Ave. North	Street end	8/9/2017	9:03	High	9:48	35.9		<10	Grab
E17-1546	WAC-02	WAC-02	45th Ave. North	Street end	8/9/2017	9:09	High	9:48	36.4		<10	Grab
E17-1547	WAC-01	WAC-01	59th Ave. North	Street end	8/9/2017	9:17	High	9:48	35.9		10	Grab
E17-1579	WAC-09A	WAC-09A	White Pt. Swash	Swash confluence	8/16/2017	7:49	Low	9:35	35.5		30	Grab
E17-1580	WAC-09	WAC-09	47th Ave. South	Street end	8/16/2017	8:03	Low	9:35	35.1		61	Grab
E17-1581	WAC-08	WAC-08	33rd Ave. South	Street end and pipe discharge	8/16/2017	8:14	Low	9:35	35.7		<10	Grab
E17-1582	WAC-07	WAC-07	17th Ave. South	Street end and pipe discharge	8/16/2017	8:25	Low	9:35	35.8		10	Grab
E17-1583	WAC-06	WAC-06	9th Ave. South	Street end and pipe discharge	8/16/2017	8:40	Low	9:35	35.7		20	Grab
E17-1584	WAC-05A	WAC-05A	7th Ave. South	Street end and pipe discharge	8/16/2017	8:35	Low	9:35	35.9		<10	Grab
E17-1584	WAC-05A	WAC-05A	7th Ave. South	Street end and pipe discharge	8/16/2017	8:35	Low	9:35	35.9		<10	LD
E17-1585	WAC-05A	WAC-05A	7th Ave. South	Street end and pipe discharge	8/16/2017	8:35	Low	9:35	35.9		10	FD
E17-1586	WAC-05	WAC-05	3rd Ave. North	Street end and pipe discharge	8/16/2017	8:51	Low	9:35	35.9		20	Grab
E17-1587	WAC-04	WAC-04	16th Ave. North	Street end and pipe discharge	8/16/2017	9:00	Low	9:35	36.0		<10	Grab
E17-1588	WAC-03	WAC-03	30th Ave. North	Street end	8/16/2017	9:13	Low	9:35	35.8		<10	Grab
E17-1589	WAC-02	WAC-02	45th Ave. North	Street end	8/16/2017	9:22	Low	9:35	35.6		<10	Grab
E17-1590	WAC-01	WAC-01	59th Ave. North	Street end	8/16/2017	9:32	Low	9:35	36.0		<10	Grab
E17-1626	WAC-09A	WAC-09A	White Pt. Swash	Swash confluence	8/23/2017	8:15	High	10:06	35.0		20	Grab
E17-1627	WAC-09	WAC-09	47th Ave. South	Street end	8/23/2017	8:27	High	10:06	34.9		10	Grab
E17-1628	WAC-08	WAC-08	33rd Ave. South	Street end and pipe discharge	8/23/2017	8:37	High	10:06	35.0		41	Grab
E17-1629	WAC-07	WAC-07	17th Ave. South	Street end and pipe discharge	8/23/2017	8:46	High	10:06	35.0		41	Grab
E17-1630	WAC-06	WAC-06	9th Ave. South	Street end and pipe discharge	8/23/2017	9:02	High	10:06	35.1		20	Grab

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E17-1631	WAC-05A	WAC-05A	7th Ave. South	Street end and pipe discharge	8/23/2017	8:57	High	10:06	35.2		31	Grab
E17-1632	WAC-05	WAC-05	3rd Ave. North	Street end and pipe discharge	8/23/2017	9:11	High	10:06	35.3		10	Grab
E17-1632	WAC-05	WAC-05	3rd Ave. North	Street end and pipe discharge	8/23/2017	9:11	High	10:06	35.3		<10	LD
E17-1633	WAC-05	WAC-05	3rd Ave. North	Street end and pipe discharge	8/23/2017	9:11	High	10:06	35.3		20	FD
E17-1634	WAC-04	WAC-04	16th Ave. North	Street end and pipe discharge	8/23/2017	9:19	High	10:06	35.3		41	Grab
E17-1635	WAC-03	WAC-03	30th Ave. North	Street end	8/23/2017	9:25	High	10:06	35.3		10	Grab
E17-1636	WAC-02	WAC-02	45th Ave. North	Street end	8/23/2017	9:33	High	10:06	35.3		31	Grab
E17-1637	WAC-01	WAC-01	59th Ave. North	Street end	8/23/2017	9:42	High	10:06	35.3		<10	Grab
E17-1664	WAC-09A	WAC-09A	White Pt. Swash	Swash confluence	8/30/2017	8:27	Low	9:11	30.2		239	Grab
E17-1665	WAC-09	WAC-09	47th Ave. South	Street end	8/30/2017	8:41	Low	9:11	34.5		10	Grab
E17-1666	WAC-08	WAC-08	33rd Ave. South	Street end and pipe discharge	8/30/2017	8:52	Low	9:11	34.4		<10	Grab
E17-1667	WAC-07	WAC-07	17th Ave. South	Street end and pipe discharge	8/30/2017	9:05	Low	9:11	34.2		512	Grab
E17-1668	WAC-06	WAC-06	9th Ave. South	Street end and pipe discharge	8/30/2017	9:19	Low	9:11	34.6		<10	Grab
E17-1669	WAC-05A	WAC-05A	7th Ave. South	Street end and pipe discharge	8/30/2017	9:24	Low	9:11	34.6		<10	Grab
E17-1670	WAC-05	WAC-05	3rd Ave. North	Street end and pipe discharge	8/30/2017	9:33	Low	9:11	34.4		20	Grab
E17-1671	WAC-04	WAC-04	16th Ave. North	Street end and pipe discharge	8/30/2017	9:44	Low	9:11	34.7		52	Grab
E17-1671	WAC-04	WAC-04	16th Ave. North	Street end and pipe discharge	8/30/2017	9:44	Low	9:11	34.7		52	LD
E17-1672	WAC-04	WAC-04	16th Ave. North	Street end and pipe discharge	8/30/2017	9:44	Low	9:11	34.7		109	FD
E17-1673	WAC-03	WAC-03	30th Ave. North	Street end	8/30/2017	9:52	Low	9:11	34.7		<10	Grab
E17-1674	WAC-02	WAC-02	45th Ave. North	Street end	8/30/2017	10:02	Low	9:11	34.7		<10	Grab
E17-1675	WAC-01	WAC-01	59th Ave. North	Street end	8/30/2017	10:12	Low	9:11	34.8		<10	Grab

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