

WASD TRANSPARENCY REPORT - EXHIBIT C

Status of Consent Decree Projects for October 2019

Overall Regulatory Project Completion Date - 9/27/2027

Sewer Facility	Consent Decree Project No.	Capital Project Name	Consent Decree Total Cost Estimate	Current, Consent Decree Total Cost (Estimate At Completion)	Project Phase	Phase % Complete	Actual Compliance Date	Regulatory Compliance Date	Remarks
South District WWTP	1.1	Headworks	728,343	2,564,851	Construction	73%		2/23/2020	
	1.2	Oxygen Production	7,549,529	20,047,779	Construction	15%		2/25/2022	
	1.3	Oxygenation Trains	18,121,319	7,839,465	Construction	31%		11/16/2025	
	1.4	Chlorine Building	2,520,707	2,666,676	Permitting	10%		8/7/2023	
	1.5	Effluent Pump Station	27,010,183	42,702,714	Construction	50%		4/7/2022	
	1.6	Gravity Sludge Thickeners	5,246,274	41,480,961	Procurement	79%		1/6/2023	
	1.7	Digesters and Control Buildings	48,532,291	137,437,987	Construction	30%		11/21/2023	
	1.8	Dewatering Facility	16,608,534	64,324,079	Procurement	79%		1/6/2023	
	1.9	FOG Removal Facility	928,077	8,194,768	Complete / Closeout	99%	3/26/2019	5/24/2019	Project in closeout.
	1.10	Odor Control	8,130,067	18,384,987	Design	88%		4/25/2023	
	1.11	General Electrical	12,165,144	15,588,474	Procurement	72%		3/26/2021	
	1.12	Chlorine Contact Chamber Structural	6,935,601	5,593,844	Construction	40%		6/18/2021	
Subtotal:			154,476,069	366,826,586					
Central District WWTP	2.1	Electrical Improvements	28,392,361	18,192,502	Construction	53%		6/14/2021	
	2.2	Building improvements	5,673,576	6,103,060	Construction	93%		9/26/2019	Termination for default of contractor. Project Update and Failure to Meet Compliance Date Notification sent to EPA & FDEP September 25, 2019.
	2.3	Headworks Plant 1	20,637,859	16,397,666	Complete / Closeout	96%	3/7/2019	3/16/2019	Project in closeout.
	2.4	Headworks Plant 2	20,891,336	9,205,763	Complete / Closeout	95%	8/13/2019	8/23/2019	Project in closeout.
	2.5	Oxygenation Trains Plant 1	6,882,836	4,828,346	Complete	100%	6/15/2018	4/12/2019	Complete
	2.6	Oxygenation Trains Plant 2	15,957,546	17,153,447	Construction	73%		4/14/2022	
	2.7	Secondary Clarifiers Plant 1	4,919,245	24,700,611	Construction	36%		8/15/2026	
	2.8	Secondary Clarifiers Plant 2	7,242,220	17,500,333	Construction	26%		12/1/2024	
	2.9	RS Pump Stations Plant 1	9,441,453	18,292,003	Design	80%		8/15/2026	
	2.10	RS Pump Stations Plant 2	14,310,201	35,487,795	Construction	23%		12/1/2024	
	2.11	Effluent Pump Station	9,926,072	31,401,259	Construction	3%		6/21/2021	
	2.12	Sludge Thickeners Plant 1	11,156,240	35,926,164	Procurement	79%		1/13/2023	
	2.13	Sludge Thickeners Plant 2	9,552,318	35,926,164	Procurement	79%		1/13/2023	
	2.14	Digesters Plant 1	60,684,546	8,525,131	Planning	0%		1/19/2026	
	2.15	Digesters Plant 2	122,761,868	131,016,427	Construction	49%		6/18/2023	
	2.16	Dewatering Building	99,952,854	91,493,452	Procurement	79%		1/13/2023	
	2.17	Chlorination Facilities	16,713,956	25,689,663	Complete / Closeout	99%	7/27/2018	10/15/2018	Project in closeout.
	2.18	Odor Control Systems	20,208,323	2,748,587	Construction	48%		1/13/2023	
	2.19	Co-Gen Facility	30,311,204	64,211,401	Construction	79%		5/21/2020	
	2.20	Septage Unloading	29,061,616		Cancelled			6/3/2022	Project cancelled, as approved by EPA on December 28, 2016.
2.21	Pump Station 1	11,575,513	8,992,760	Construction	91%		2/26/2021		
2.22	Pump Station 2	5,371,361	10,574,895	Construction	58%		5/25/2019	Termination for default of Contractor. Delay notification sent to EPA & FDEP May 20, 2019.	
2.23	O2 Plant Process Controls Phase 2	482,909	661,862	Complete	100%	10/14/2016	3/9/2017	Complete	
2.24	Gas Monitoring	334,913	1,013,808	Complete	100%	9/29/2017	9/19/2017	Complete. On May 22, 2019, EPA issued a Demand for Stipulated Penalties letter within which EPA informed the County of its decision to exercise its enforcement discretion to not demand stipulated penalties for Appendix D-2, Project 2.24.	
2.25	Ventilation Improvements	2,766,973	1,051,447	Construction	84%		2/27/2025		
2.26	Rehabilitation of Walkways and Stairways	2,685,405	2,689,167	Construction	10%		9/27/2027		
2.27	Oxygen Production	26,503,191	80,328,211	Construction	13%		2/13/2022		
2.28	SCADA RTU Upgrades	396,000	341,545	Complete	100%	2/10/2014	3/29/2014	Complete	
2.29	High Strength Influent Impact Study	1,544,400	1,042,081	Complete	100%	6/5/2014	6/24/2014	Complete	
Subtotal:			596,338,295	701,495,547					

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North District WWTP	3.1	Headworks and Sludge Degritting Transfer	31,777,875	33,991,083	Complete / Closeout	99%	12/6/2017	4/7/2018	Project in closeout.
	3.2	Primary Clarifiers and Odor Control	47,630,971	76,841,787	Construction	64%		4/6/2023	
	3.3	Oxygenation Trains	26,824,143	71,516,902	Design	10%		3/6/2026	
	3.4	Oxygen Production	7,139,589	51,136,177	Design	10%		3/6/2026	
	3.5	Secondary Clarifiers	81,645,502	53,423,895	Construction	56%		8/24/2027	
	3.6	Disinfection	18,721,749	24,590,266	Construction	20%		9/9/2020	
	3.7	Effluent Disposal	27,500,829	9,918,916	Complete / Closeout	99%	6/29/2018	12/28/2021	Project in closeout.
	3.8	Plant Wide Electrical	18,859,689	3,291,268	Pre-Design	90%		8/20/2022	
	3.9	Flood Mitigation	4,327,589	726,074	Complete	100%	6/24/2016	8/13/2017	Complete
	3.10	Yard Piping Replacement	4,901,560	214,250	Complete	100%	5/24/2016	12/4/2021	Complete
	3.11	SCADA RTU Upgrades	1,200,320	971,666	Complete	100%	11/26/2014	3/24/2015	Complete
Subtotal:			270,529,816	326,622,284					
Wastewater Collection and Transmission Lines	4.1	Collection System I/I Repairs	138,538,762	156,734,086	Construction	56%		9/27/2027	
	4.2	Government Cut FM - Phase 1 & 2	35,187,000	42,192,720	Complete	100%	9/30/2013	9/30/2013	The EPA Consent Decree only included the remaining cost of this project from October 2012.
	4.3	Government Cut FM - Phase 3	117,376,121	88,080,995	Complete	100%	11/23/16	4/8/2017	Complete
	4.4	North Dade 72 inch PCCP FM Rehabilitation	23,764,116	21,396,645	Complete	100%	5/5/2016	3/5/2018	Complete
	4.5	South Dade 54 inch PCCP FM Rehabilitation	18,570,705	46,719,782	Complete / Closeout	99%	9/14/2018	12/23/2018	Project in closeout.
	4.6	Replacement of Tamiami Canal Aerial Crossing FM's at NW 37th Ave	727,443	659,199	Complete	100%	8/11/2014	10/29/2016	Complete
	4.7	Replacement of 18 inch DIP FM in Miami Lakes	2,323,333	1,009,622	Complete	100%	12/7/2015	4/9/2017	Complete
	4.8	Rehabilitation of 54 inch PCCP FM in the City of Miami	10,842,213	21,045,804	Complete / Closeout	98%	6/16/2017	5/28/2017	Project in closeout. On January 11, 2018, the EPA decided not to assess penalties for this project due to Force Majeure events. On September 14, 2017, the EPA approved a final completion date for CD 4.8 of May 28, 2017.
	4.9	Replace Approximately 30 miles of AC FM Transmission System	52,708,893	31,785,408	Construction	90%		10/17/2020	
	4.10	Opa-Locka Airport 48" PCCP force main replacement	23,668,622	23,976,007	Complete / Closeout	99%	5/11/2018	10/25/2018	Project in closeout.
Subtotal:			423,707,208	433,600,268					

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Sewer Pump Station Systems	5.1	Upgrade of PS#0418	23,877,869	13,451,223	Construction	99%		10/22/2019	
	5.2	Upgrade of PS#0691	6,007,492	334,659	Construction	95%		1/27/2019	On April 14, 2016, the EPA and FDEP approved Miami-Dade's request to modify the scope of this project to read, "Connect the City of Homestead's PS1, once completed, to the South District Wastewater Treatment Plant (SDWWTP) Transmission System and decommission PS 0691". The City of Homestead failed to meet the Regulatory Compliance Date. On November 29, 2018, a Force Majeure notification letter was submitted to the EPA, as the County is not in privity with the project contractor.
	5.3	Upgrade of PS#0692	6,007,492	19,122,599	Construction	33%		6/17/2020	
	5.4	Replacement of Switchgear PS#0414	1,481,438	8,174,132	Complete / Closeout	99%	6/11/2019	6/15/2019	Project in closeout.
	5.5	Replacement of Switchgear and Rehabilitation of Wet well PS#0415	4,805,995	10,157,887	Construction	99%		9/2/2019	Failure to Meet Compliance Date. Electronic notification sent to EPA & FDEP September 18, 2019.
	5.6	Replacement of Switchgear PS#0416	1,481,438	7,945,998	Complete / Closeout	99%	6/11/2019	6/13/2019	Project in closeout.
	5.7	Replacement of Switchgear and Rehabilitation of Wet well PS#0417	3,203,999	8,209,727	Construction	41%		7/25/2020	
	5.8	Replacement of Electrical and Mechanical Equipment in PS#0107	4,004,992	2,091,278	Complete	100%	2/3/2018	1/27/2019	Complete
	5.9	Replacement of Plumbing and Electrical Equipment at PS#0301	4,543,072	13,970,815	Procurement	69%		1/24/2022	Scope of the project has changed. A change request was submitted to EPA for approval on July 28, 2017.
	5.10	Upgrade of PS#0488	2,962,877	885,955	Complete	100%	12/8/2016	5/9/2018	Complete
	5.11	Installation of 48-inch FM from Kendall Dr. to the suction side of PS 0536.	5,925,746	2,012,813	Complete / Closeout	99%	2/13/2019	5/18/2019	Project in closeout.
	5.12	Replacement of Switchgear at PS#0187	3,555,449	14,084,254	Complete / Closeout	98%	3/25/2019	3/26/2019	Project in closeout.
	5.13	Refurbish Emergency Generators and Controls at Regional Pump stations	3,054,141	543,066	Complete	100%	2/4/2016	7/20/2016	Complete
	5.14	Upgrade of PS #0086, 0492	2,127,389	1,216,965	Complete	100%	12/31/2013	12/31/2013	Complete
	5.15	Upgrade of PS #0065, 0201, 0334, 0374, 0607	5,835,671	6,377,132	Complete	100%	12/30/2015	12/31/2015	Complete
	5.16	Upgrade of PS #00198, 0437, 0466, 0680	3,806,369	3,792,686	Complete / Closeout	98%	1/24/2018	12/31/2018	Project in closeout.
	5.17	Upgrade of PS #0037, 0351, 0370, 0403	5,371,342	5,825,310	Complete / Closeout	98%	4/30/2018	11/20/2018	Project in closeout.
	5.18	Upgrade of PS #0441, 0491, 0710, 0827, 0852, 1236	7,526,751	7,244,229	Construction	93%		12/13/2019	
	5.19	SCADA RTU Upgrades	10,003,462	5,148,595	Complete	100%	11/23/2015	3/18/2016	Complete
Subtotal:			105,582,984	130,589,322					
SEP	6.0	Supplemental Environmental Project (SEP)	2,047,200	5,132,815	Complete / Closeout	99%	12/26/2018	11/18/2019	Project in closeout.
Subtotal:			2,047,200	5,132,815					
Total Project Expenses:			1,552,681,572	1,964,266,822				9/27/2027	

- 1) On 4/11/2018, the EPA approved our request to modify specific project regulatory completion dates. These new dates are being reflected in this Transparency report.
- 2) Schedule and cost information based on Consent Decree, September 2019 data.
- 3) Yellow highlights indicate changes from the prior month's report.

Stipulated Penalties Notices from FDEP for Sanitary Sewer Overflow (SSO) Events, September 2019 data.

Type	Agency	Demand Letter Date	Penalty	Description of the event	Remarks
N/A - No Stipulated Penalty Notices this reporting period.					
Total Stipulated Penalties:			\$ -		