

WASD TRANSPARENCY REPORT - EXHIBIT C

Status of Consent Decree Projects for December 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	2,540,815	Complete / Closeout	98%	11/6/2019	2/23/2020	Substantially completed on November 06, 2019. Project in closeout.
	1.2	Oxygen Production	7,549,529	19,859,901	Construction	21%		2/25/2022	
	1.3	Oxygenation Trains	18,121,319	6,215,752	Construction	31%		11/16/2025	
	1.4	Chlorine Building	2,520,707	2,641,685	Permitting	10%		8/7/2023	
	1.5	Effluent Pump Station	27,010,183	42,302,526	Construction	55%		4/7/2022	
	1.6	Gravity Sludge Thickeners	5,246,274	41,092,222	Procurement	79%		1/6/2023	
	1.7	Digesters and Control Buildings	48,532,291	136,149,987	Construction	43%		11/21/2023	
	1.8	Dewatering Facility	16,608,534	63,721,265	Procurement	79%		1/6/2023	
	1.9	FOG Removal Facility	928,077	8,751,081	Complete / Closeout	99%	3/26/2019	5/24/2019	Project in closeout.
	1.10	Odor Control	8,130,067	18,212,692	Permitting	5%		4/25/2023	
	1.11	General Electrical	12,165,144	15,442,387	Construction	1%		3/26/2021	
	1.12	Chlorine Contact Chamber Structural	6,935,601	5,541,421	Construction	52%		6/18/2021	
Subtotal:			154,476,069	362,471,734					
Central District WWTP	2.1	Electrical Improvements	28,392,361	18,022,011	Construction	56%		6/14/2021	
	2.2	Building improvements	5,673,576	5,009,739	Construction	96%		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	17,510,845	Complete / Closeout	98%	3/7/2019	3/16/2019	Project in closeout.
	2.4	Headworks Plant 2	20,891,336	9,830,709	Complete / Closeout	98%	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	10,075,827	Construction	73%		4/14/2022	
	2.7	Secondary Clarifiers Plant 1	4,919,245	13,998,288	Construction	36%		8/15/2026	
	2.8	Secondary Clarifiers Plant 2	7,242,220	17,336,329	Construction	30%		12/1/2024	
	2.9	RS Pump Stations Plant 1	9,441,453	23,960,673	Design	80%		8/15/2026	
	2.10	RS Pump Stations Plant 2	14,310,201	35,155,221	Construction	30%		12/1/2024	
	2.11	Effluent Pump Station	9,926,072	31,106,982	Construction	14%		6/21/2021	
	2.12	Sludge Thickeners Plant 1	11,156,240	33,547,041	Procurement	79%		1/13/2023	
	2.13	Sludge Thickeners Plant 2	9,552,318	33,547,041	Procurement	79%		1/13/2023	
	2.14	Digesters Plant 1	60,684,546	8,445,238	Planning	0%		1/19/2026	
	2.15	Digesters Plant 2	122,761,868	129,788,607	Construction	53%		6/18/2023	
	2.16	Dewatering Building	99,952,854	85,434,522	Procurement	79%		1/13/2023	
	2.17	Chlorination Facilities	16,713,956	27,423,685	Complete / Closeout	99%	7/27/2018	10/15/2018	Project in closeout.
	2.18	Odor Control Systems	20,208,323	12,009,207	Construction	49%		1/13/2023	
	2.19	Co-Gen Facility	30,311,204	63,609,643	Construction	84%		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	8,908,484	Construction	99%		2/26/2021	
	2.22	Pump Station 2	5,371,361	10,475,792	Construction	65%		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	1,041,593	Construction	89%		2/27/2025		
2.26	Rehabilitation of Walkways and Stairways	2,685,405	2,663,965	Construction	10%		9/27/2027		
2.27	Oxygen Production	26,503,191	79,575,414	Construction	21%		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	686,364,498					

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North District WWTP	3.1	Headworks and Sludge Degritting Transfer	31,777,875	36,298,615	Complete / Closeout	99%	12/6/2017	4/7/2018	Project in closeout.
	3.2	Primary Clarifiers and Odor Control	47,630,971	76,121,664	Construction	67%		4/6/2023	
	3.3	Oxygenation Trains	26,824,143	70,846,682	Design	10%		3/6/2026	
	3.4	Oxygen Production	7,139,589	50,656,954	Design	10%		3/6/2026	
	3.5	Secondary Clarifiers	81,645,502	52,923,233	Construction	59%		8/24/2027	
	3.6	Disinfection	18,721,749	24,359,819	Construction	30%		9/9/2020	
	3.7	Effluent Disposal	27,500,829	7,196,322	Complete / Closeout	99%	6/29/2018	12/28/2021	Project in closeout.
	3.8	Plant Wide Electrical	18,859,689	3,260,424	Design	65%		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	323,575,702					
Wastewater Collection and Transmission Lines	4.1	Collection System I/I Repairs	138,538,762	149,777,586	Construction	60%		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	44,305,559	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	19,532,313	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	31,487,531	Construction	92%		10/17/2020	
	4.10	Opa-Locka Airport 48" PCCP force main replacement	23,668,622	25,603,653	Complete / Closeout	99%	5/11/2018	10/25/2018	Project in closeout.
Subtotal:			423,707,208	424,045,823					

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Sewer Pump Station Systems	5.1	Upgrade of PS#0418	23,877,869	13,325,165	Complete / Closeout	99%	11/8/2019	10/22/2019	Construction completion compliance was reached on November 8, 2019. Project in Closeout. Potential Delay Notification sent to EPA and FDEP on October 11, 2019. Delay Notification and Failure to Meet Compliance Date Notification sent to EPA and FDEP on October 21, 2019.
	5.2	Upgrade of PS#0691	6,007,492	331,522	Complete / Closeout	99%	11/8/2019	1/27/2019	Substantially completed on November 8, 2019. Project in Closeout. 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	19,679,465	Construction	43%		6/17/2020	
	5.4	Replacement of Switchgear PS#0414	1,481,438	8,729,045	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	10,062,693	Complete / Closeout	99%	11/13/2019	9/2/2019	Construction completion compliance was reached on November 13, 2019. Project in Closeout. Failure to Meet Compliance Date. Electronic notification sent to EPA & FDEP September 18, 2019.
	5.6	Replacement of Switchgear PS#0416	1,481,438	8,485,423	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	8,705,970	Construction	53%		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	13,839,887	Procurement	95%		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	2,149,456	Complete / Closeout	99%	2/13/2019	5/18/2019	Project in closeout.
	5.12	Replacement of Switchgear at PS#0187	3,555,449	15,040,383	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	6,372,132	Complete	100%	12/30/2015	12/31/2015	Complete
	5.16	Upgrade of PS #00198, 0437, 0466, 0680	3,806,369	4,049,090	Complete / Closeout	98%	1/24/2018	12/31/2018	Project in closeout.
	5.17	Upgrade of PS #0037, 0351, 0370, 0403	5,371,342	6,220,769	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	7,176,340	Complete / Closeout	99%	11/18/2019	12/13/2019	Substantially completed on November 18, 2019. Project in closeout.
	5.19	SCADA RTU Upgrades	10,003,462	5,148,595	Complete	100%	11/23/2015	3/18/2016	Complete
Subtotal:			105,582,984	134,053,200					
SEP	6.0	Supplemental Environmental Project (SEP)	2,047,200	4,616,170	Complete / Closeout	99%	12/26/2018	11/18/2019	Project in closeout.
Subtotal:			2,047,200	4,616,170					
Total Project Expenses:			1,552,681,572	1,935,127,127				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, November 2019 data.
- 3) Yellow highlights indicate changes from the prior month's report.

Stipulated Penalties Notices from FDEP for Sanitary Sewer Overflow (SSO) Events, November 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:			\$ -		