

WASD TRANSPARENCY REPORT - EXHIBIT C

Status of Consent Decree Projects for November 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	2,540,040	Construction	91%		2/23/2020	
	1.2	Oxygen Production	7,549,529	19,853,842	Construction	18%		2/25/2022	
	1.3	Oxygenation Trains	18,121,319	7,763,628	Construction	31%		11/16/2025	
	1.4	Chlorine Building	2,520,707	2,640,879	Permitting	10%		8/7/2023	
	1.5	Effluent Pump Station	27,010,183	42,289,619	Construction	52%		4/7/2022	
	1.6	Gravity Sludge Thickeners	5,246,274	41,079,685	Procurement	79%		1/6/2023	
	1.7	Digesters and Control Buildings	48,532,291	136,108,447	Construction	40%		11/21/2023	
	1.8	Dewatering Facility	16,608,534	63,701,824	Procurement	79%		1/6/2023	
	1.9	FOG Removal Facility	928,077	8,748,411	Complete / Closeout	99%	3/26/2019	5/24/2019	Project in closeout.
	1.10	Odor Control	8,130,067	18,207,135	Design	90%		4/25/2023	
	1.11	General Electrical	12,165,144	15,437,675	Construction	1%		3/26/2021	
	1.12	Chlorine Contact Chamber Structural	6,935,601	5,539,731	Construction	44%		6/18/2021	
Subtotal:			154,476,069	363,910,916					
Central District WWTP	2.1	Electrical Improvements	28,392,361	18,016,512	Construction	54%		6/14/2021	
	2.2	Building improvements	5,673,576	5,008,210	Construction	95%		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	17,505,502	Complete / Closeout	98%	3/7/2019	3/16/2019	Project in closeout.
	2.4	Headworks Plant 2	20,891,336	9,827,709	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	10,510,353	Construction	73%		4/14/2022	
	2.7	Secondary Clarifiers Plant 1	4,919,245	13,994,017	Construction	36%		8/15/2026	
	2.8	Secondary Clarifiers Plant 2	7,242,220	17,331,039	Construction	26%		12/1/2024	
	2.9	RS Pump Stations Plant 1	9,441,453	23,953,363	Design	80%		8/15/2026	
	2.10	RS Pump Stations Plant 2	14,310,201	35,144,495	Construction	27%		12/1/2024	
	2.11	Effluent Pump Station	9,926,072	31,097,491	Construction	8%		6/21/2021	
	2.12	Sludge Thickeners Plant 1	11,156,240	33,536,806	Procurement	79%		1/13/2023	
	2.13	Sludge Thickeners Plant 2	9,552,318	33,536,806	Procurement	79%		1/13/2023	
	2.14	Digesters Plant 1	60,684,546	8,442,661	Planning	0%		1/19/2026	
	2.15	Digesters Plant 2	122,761,868	129,749,008	Construction	51%		6/18/2023	
	2.16	Dewatering Building	99,952,854	85,408,456	Procurement	79%		1/13/2023	
	2.17	Chlorination Facilities	16,713,956	27,415,318	Complete / Closeout	99%	7/27/2018	10/15/2018	Project in closeout.
	2.18	Odor Control Systems	20,208,323	12,005,543	Construction	49%		1/13/2023	
	2.19	Co-Gen Facility	30,311,204	63,590,236	Construction	81%		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	8,905,766	Construction	95%		2/26/2021	
	2.22	Pump Station 2	5,371,361	10,472,596	Construction	62%		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	1,041,275	Construction	87%		2/27/2025		
2.26	Rehabilitation of Walkways and Stairways	2,685,405	2,663,153	Construction	10%		9/27/2027		
2.27	Oxygen Production	26,503,191	79,551,136	Construction	17%		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	686,595,094					

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North District WWTP	3.1	Headworks and Sludge Degritting Transfer	31,777,875	36,287,541	Complete / Closeout	99%	12/6/2017	4/7/2018	Project in closeout.
	3.2	Primary Clarifiers and Odor Control	47,630,971	76,098,439	Construction	66%		4/6/2023	
	3.3	Oxygenation Trains	26,824,143	70,825,066	Design	10%		3/6/2026	
	3.4	Oxygen Production	7,139,589	50,641,498	Design	10%		3/6/2026	
	3.5	Secondary Clarifiers	81,645,502	52,907,086	Construction	58%		8/24/2027	
	3.6	Disinfection	18,721,749	24,352,386	Construction	26%		9/9/2020	
	3.7	Effluent Disposal	27,500,829	7,194,126	Complete / Closeout	99%	6/29/2018	12/28/2021	Project in closeout.
	3.8	Plant Wide Electrical	18,859,689	3,259,429	Pre-Design	95%		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	323,477,562					
Wastewater Collection and Transmission Lines	4.1	Collection System I/I Repairs	138,538,762	149,731,888	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	44,292,042	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	19,526,353	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	31,477,924	Construction	91%		10/17/2020	
	4.10	Opa-Locka Airport 48" PCCP force main replacement	23,668,622	25,595,841	Complete / Closeout	99%	5/11/2018	10/25/2018	Project in closeout.
Subtotal:			423,707,208	423,963,230					

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Sewer Pump Station Systems	5.1	Upgrade of PS#0418	23,877,869	13,321,099	Construction	99%		10/22/2019	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	331,421	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	19,673,461	Construction	38%		6/17/2020	
	5.4	Replacement of Switchgear PS#0414	1,481,438	8,726,382	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	10,059,623	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	8,482,834	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	8,703,314	Construction	45%		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	13,835,665	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	2,148,800	Complete / Closeout	99%	2/13/2019	5/18/2019	Project in closeout.
	5.12	Replacement of Switchgear at PS#0187	3,555,449	15,035,795	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	4,047,854	Complete / Closeout	98%	1/24/2018	12/31/2018	Project in closeout.
	5.17	Upgrade of PS #0037, 0351, 0370, 0403	5,371,342	6,218,871	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	7,174,150	Construction	97%		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	134,017,260					
SEP	6.0	Supplemental Environmental Project (SEP)	2,047,200	4,614,762	Complete / Closeout	99%	12/26/2018	11/18/2019	Project in closeout.
Subtotal:			2,047,200	4,614,762					
Total Project Expenses:			1,552,681,572	1,936,578,823				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, October 2019 data.
- 3) Yellow highlights indicate changes from the prior month's report.

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