

WASD TRANSPARENCY REPORT - EXHIBIT C

Status of Consent Decree Projects for October 2020

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	386,196	Complete	100%	11/6/2019	2/23/2020	Complete
	1.2	Oxygen Production	7,549,529	20,763,261	Construction	65%		2/25/2022	
	1.3	Oxygenation Trains	18,121,319	6,620,497	Construction	37%		11/16/2025	
	1.4	Chlorine Building	2,520,707	3,413,385	Procurement	75%		8/7/2023	
	1.5	Effluent Pump Station	27,010,183	42,371,717	Construction	77%		4/7/2022	
	1.6	Gravity Sludge Thickeners	5,246,274	43,544,389	Construction	8%		1/6/2023	
	1.7	Digesters and Control Buildings	48,532,291	140,907,811	Construction	68%		11/21/2023	
	1.8	Dewatering Facility	16,608,534	70,637,579	Construction	8%		1/6/2023	
	1.9	FOG Removal Facility	928,077	8,600,897	Complete / Closeout	99%	3/26/2019	5/24/2019	Project in closeout.
	1.10	Odor Control	8,130,067	21,418,729	Procurement	55%		4/25/2023	
	1.11	General Electrical	12,165,144	14,182,001	Construction	11%		3/26/2021	
	1.12	Chlorine Contact Chamber Structural	6,935,601	6,013,963	Construction	80%		6/18/2021	
	Subtotal:		154,476,069	378,860,426					
Central District WWTP	2.1	Electrical Improvements	28,392,361	17,878,861	Construction	78%		6/14/2021	On September 29, 2020, the County submitted electronic notice of a potential delay to EPA and FDEP.
	2.2	Building improvements	5,673,576	4,767,713	Complete / Closeout	100%	1/17/2020	9/26/2019	Project in closeout. 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	17,508,671	Complete / Closeout	99%	3/7/2019	3/16/2019	Project in closeout.
	2.4	Headworks Plant 2	20,891,336	9,567,112	Complete / Closeout	99%	8/13/2019	8/23/2019	Project in closeout.
	2.5	Oxygenation Trains Plant 1	6,882,836	5,245,543	Complete	100%	6/15/2018	4/12/2019	Complete
	2.6	Oxygenation Trains Plant 2	15,957,546	10,086,976	Construction	80%		4/14/2022	
	2.7	Secondary Clarifiers Plant 1	4,919,245	13,959,690	Construction	36%		8/15/2026	
	2.8	Secondary Clarifiers Plant 2	7,242,220	17,534,069	Construction	54%		12/1/2024	
	2.9	RS Pump Stations Plant 1	9,441,453	23,972,273	Procurement	1%		8/15/2026	
	2.10	RS Pump Stations Plant 2	14,310,201	35,712,782	Construction	74%		12/1/2024	
	2.11	Effluent Pump Station	9,926,072	31,193,022	Construction	84%		6/21/2021	
	2.12	Sludge Thickeners Plant 1	11,156,240	28,518,808	Construction	8%		1/13/2023	
	2.13	Sludge Thickeners Plant 2	9,552,318	30,241,271	Construction	8%		1/13/2023	
	2.14	Digesters Plant 1	60,684,546	8,336,264	Planning	0%		1/19/2026	
	2.15	Digesters Plant 2	122,761,868	132,693,233	Construction	61%		6/18/2023	On September 10, 2020, the County submitted a Potential Delay Notification Letter to EPA and FDEP
	2.16	Dewatering Building	99,952,854	82,044,973	Construction	8%		1/13/2023	
	2.17	Chlorination Facilities	16,713,956	25,895,147	Complete / Closeout	100%	7/27/2018	10/15/2018	Project in closeout.
	2.18	Odor Control Systems	20,208,323	6,253,027	Construction	54%		1/13/2023	
	2.19	Co-Gen Facility	30,311,204	66,232,759	Construction	98%		5/21/2020	Failure to Meet Compliance Date and Project Status Update Notification sent to EPA and FDEP on 5/21/2020. Electronic and written notification of a potential delay submitted to FDEP and EPA on 12/30/19 and 1/10/20 respectively.
	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	8,806,148	Complete / Closeout	99%	12/19/2019	2/26/2021	Project in closeout.
	2.22	Pump Station 2	5,371,361	10,577,723	Construction	88%		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	1,022,460	Construction	96%		2/27/2025		
2.26	Rehabilitation of Walkways and Stairways	2,685,405	2,837,311	Construction	10%		9/27/2027		
2.27	Oxygen Production	26,503,191	80,480,686	Construction	53%		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	674,425,818					

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North District WWTP	3.1	Headworks and Sludge Degritting Transfer	31,777,875	34,103,270	Complete / Closeout	99%	12/6/2017	4/7/2018	Project in closeout.
	3.2	Primary Clarifiers and Odor Control	47,630,971	77,456,241	Construction	80%		4/6/2023	
	3.3	Oxygenation Trains	26,824,143	78,902,188	Procurement	1%		3/6/2026	
	3.4	Oxygen Production	7,139,589	58,829,045	Procurement	1%		3/6/2026	
	3.5	Secondary Clarifiers	81,645,502	53,153,436	Construction	68%		8/24/2027	
	3.6	Disinfection	18,721,749	24,793,247	Construction	91%		9/9/2020	On April 21, 2020, the County electronically notified the EPA and FDEP of potential delays in construction including COVID-19 Pandemic impacts. On May 5, 2020, the County submitted the Delay and Force Majeure Notification Letter to EPA and FDEP. On September 9, 2020, the County submitted a Failure to Meet Compliance Date and Project Update Letter to EPA and FDEP.
	3.7	Effluent Disposal	27,500,829	6,616,560	Complete	100%	6/29/2018	12/28/2021	Complete
	3.8	Plant Wide Electrical	18,859,689	1,388,416	Construction	2%		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	337,154,394						
Wastewater Collection and Transmission Lines	4.1	Collection System I/I Repairs	138,538,762	150,992,067	Construction	68%		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	Complete 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	88,043,461	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	41,831,557	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	18,190,628	Complete	100%	6/16/2017	5/28/2017	Complete 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	30,800,096	Complete / Closeout	98%	6/5/2020	10/17/2020	Substantially completed on June 5, 2020. Project in closeout.
	4.10	Opa-Locka Airport 48" PCCP force main replacement	23,668,622	24,178,119	Complete / Closeout	99%	5/11/2018	10/25/2018	Project in closeout.
	Subtotal:	423,707,208	419,294,114						
	5.1	Upgrade of PS#0418	23,877,869	13,077,206	Complete / Closeout	99%	11/8/2019	10/22/2019	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	310,447	Complete	100%	11/8/2019	1/27/2019	Complete 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.

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Sewer Pump Station Systems	5.3	Upgrade of PS#0692	6,007,492	20,586,143	Construction	94%		6/17/2020	On April 21, 2020, the County electronically notified the EPA and FDEP of potential delays in construction including COVID-19 Pandemic impacts. On May 5, 2020, the County submitted the Delay and Force Majeure Notification Letter to EPA and FDEP. On June 16, 2020, the County submitted the Failure to Meet Compliance Date and Project Status Update Letter to EPA and FDEP.
	5.4	Replacement of Switchgear PS#0414	1,481,438	8,807,418	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	10,307,151	Complete / Closeout	99%	11/13/2019	9/2/2019	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	8,256,697	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	8,968,383	Complete / Closeout	98%	7/1/2020	7/25/2020	Project in closeout.
	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	13,833,217	Construction	27%		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	2,449,628	Complete / Closeout	99%	2/13/2019	5/18/2019	Project in closeout.
	5.12	Replacement of Switchgear at PS#0187	3,555,449	14,322,072	Complete / Closeout	99%	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	6,390,779	Complete	100%	12/30/2015	12/31/2015	Complete
	5.16	Upgrade of PS #00198, 0437, 0466, 0680	3,806,369	3,753,256	Complete	100%	1/24/2018	12/31/2018	Complete
	5.17	Upgrade of PS #0037, 0351, 0370, 0403	5,371,342	5,995,343	Complete / Closeout	99%	4/30/2018	11/20/2018	Project in closeout.
	5.18	Upgrade of PS #0441, 0491, 0710, 0827, 0852, 1236	7,526,751	7,360,422	Complete / Closeout	99%	11/18/2019	12/13/2019	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	134,304,023						
SEP	6.0	Supplemental Environmental Project (SEP)	2,047,200	4,653,473	Complete / Closeout	99%	12/26/2018	11/18/2019	Project in closeout.
	Subtotal:	2,047,200	4,653,473						
Total Project Expenses:			1,552,681,572	1,948,692,248				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 data, month of: **September 2020**

3) Yellow highlights indicate changes from the prior month's report.

Stipulated Penalties Notices from FDEP for Sanitary Sewer Overflow (SSO) Events, month of: **September 2020**

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