

WASD TRANSPARENCY REPORT - EXHIBIT C

Status of Consent Decree Projects for May 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	2,530,113	Construction	63%		2/23/2020	
	1.2	Oxygen Production	7,549,529	19,837,781	Construction	11%		2/25/2022	
	1.3	Oxygenation Trains	18,121,319	11,653,901	Construction	19%		11/16/2025	
	1.4	Chlorine Building	2,520,707	3,822,169	Design	72%		8/7/2023	
	1.5	Effluent Pump Station	27,010,183	42,134,007	Construction	27%		4/7/2022	
	1.6	Gravity Sludge Thickeners	5,246,274	40,852,641	Procurement	70%		1/6/2023	
	1.7	Digesters and Control Buildings	48,532,291	136,345,333	Construction	19%		11/21/2023	
	1.8	Dewatering Facility	16,608,534	43,430,944	Procurement	70%		1/6/2023	
	1.9	FOG Removal Facility	928,077	8,381,863	Complete / Closeout	95%	3/26/2019	5/24/2019	Project in closeout.
	1.10	Odor Control	8,130,067	22,711,595	Design	56%		4/25/2023	
	1.11	General Electrical	12,165,144	14,153,978	Procurement	55%		3/26/2021	
	1.12	Chlorine Contact Chamber Structural	6,935,601	5,255,967	Construction	40%		6/18/2021	
Subtotal:			154,476,069	351,110,290					
Central District WWTP	2.1	Electrical Improvements	28,392,361	18,036,109	Construction	50%		6/14/2021	
	2.2	Building improvements	5,673,576	5,928,050	Construction	75%		9/26/2019	
	2.3	Headworks Plant 1	20,637,859	16,814,007	Complete / Closeout	95%	3/7/2019	3/16/2019	Project in closeout.
	2.4	Headworks Plant 2	20,891,336	9,299,064	Construction	86%		8/23/2019	
	2.5	Oxygenation Trains Plant 1	6,882,836	5,506,691	Complete	100%	6/15/2018	4/12/2019	Complete
	2.6	Oxygenation Trains Plant 2	15,957,546	16,869,430	Construction	73%		4/14/2022	
	2.7	Secondary Clarifiers Plant 1	4,919,245	24,517,935	Construction	33%		8/15/2026	
	2.8	Secondary Clarifiers Plant 2	7,242,220	17,364,185	Construction	14%		12/1/2024	
	2.9	RS Pump Stations Plant 1	9,441,453	15,353,010	Design	38%		8/15/2026	
	2.10	RS Pump Stations Plant 2	14,310,201	35,121,076	Construction	12%		12/1/2024	
	2.11	Effluent Pump Station	9,926,072	31,122,512	Procurement	63%		6/21/2021	
	2.12	Sludge Thickeners Plant 1	11,156,240	31,149,507	Procurement	70%		1/13/2023	
	2.13	Sludge Thickeners Plant 2	9,552,318	39,011,167	Procurement	70%		1/13/2023	
	2.14	Digesters Plant 1	60,684,546	8,434,246	Planning	0%		1/19/2026	
	2.15	Digesters Plant 2	122,761,868	132,090,205	Construction	41%		6/18/2023	
	2.16	Dewatering Building	99,952,854	48,905,591	Procurement	70%		1/13/2023	
	2.17	Chlorination Facilities	16,713,956	26,693,581	Complete / Closeout	99%	7/27/2018	10/15/2018	Project in closeout.
	2.18	Odor Control Systems	20,208,323	11,715,451	Construction	45%		1/13/2023	
	2.19	Co-Gen Facility	30,311,204	61,214,519	Construction	74%		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	8,833,030	Construction	68%		2/26/2021	
	2.22	Pump Station 2	5,371,361	9,455,572	Construction	43%		5/25/2019	
2.23	O2 Plant Process Controls Phase 2	482,909	708,349	Complete	100%	10/14/2016	3/9/2017	Complete	
2.24	Gas Monitoring	334,913	1,085,016	Complete	100%	9/29/2017	9/19/2017	Complete	
2.25	Ventilation Improvements	2,766,973	10,786,768	Construction	72%		2/27/2025		
2.26	Rehabilitation of Walkways and Stairways	2,685,405	2,669,830	Construction	10%		9/27/2027		
2.27	Oxygen Production	26,503,191	79,668,901	Construction	1%		2/13/2022		
2.28	SCADA RTU Upgrades	396,000	365,534	Complete	100%	2/10/2014	3/29/2014	Complete	
2.29	High Strength Influent Impact Study	1,544,400	1,115,274	Complete	100%	6/5/2014	6/24/2014	Complete	
Subtotal:			596,338,295	669,834,609					

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North District WWTP	3.1	Headworks and Sludge Degritting Transfer	31,777,875	35,544,256	Complete / Closeout	99%	12/6/2017	4/7/2018	Project in closeout.
	3.2	Primary Clarifiers and Odor Control	47,630,971	75,809,122	Construction	55%		4/6/2023	
	3.3	Oxygenation Trains	26,824,143	66,716,557	Design	9%		3/6/2026	
	3.4	Oxygen Production	7,139,589	47,785,788	Design	9%		3/6/2026	
	3.5	Secondary Clarifiers	81,645,502	52,900,716	Construction	53%		8/24/2027	
	3.6	Disinfection	18,721,749	24,354,112	Construction	4%		9/9/2020	
	3.7	Effluent Disposal	27,500,829	10,458,625	Complete / Closeout	99%	6/29/2018	12/28/2021	Project in closeout.
	3.8	Plant Wide Electrical	18,859,689	3,267,602	Design	20%		8/20/2022	
	3.9	Flood Mitigation	4,327,589	777,072	Complete	100%	6/24/2016	8/13/2017	Complete
	3.10	Yard Piping Replacement	4,901,560	229,298	Complete	100%	5/24/2016	12/4/2021	Complete
	3.11	SCADA RTU Upgrades	1,200,320	1,039,913	Complete	100%	11/26/2014	3/24/2015	Complete
Subtotal:			270,529,816	318,883,061					
Wastewater Collection and Transmission Lines	4.1	Collection System I/I Repairs	138,538,762	153,260,402	Construction	48%		9/27/2027	
	4.2	Government Cut FM - Phase 1& 2	35,187,000	45,156,230	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	94,267,582	Complete	100%	11/23/16	4/8/2017	Complete
	4.4	North Dade 72 inch PCCP FM Rehabilitation	23,764,116	22,899,491	Complete	100%	5/5/2016	3/5/2018	Complete
	4.5	South Dade 54 inch PCCP FM Rehabilitation	18,570,705	47,070,393	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	705,499	Complete	100%	8/11/2014	10/29/2016	Complete
	4.7	Replacement of 18 inch DIP FM in Miami Lakes	2,323,333	1,080,535	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	21,430,710	Complete / Closeout	95%	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	31,229,277	Construction	76%		10/17/2020	
	4.10	Opa-Locka Airport 48" PCCP force main replacement	23,668,622	25,161,144	Complete / Closeout	99%	5/11/2018	10/25/2018	Project in closeout.
Subtotal:			423,707,208	442,261,263					

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Sewer Pump Station Systems	5.1	Upgrade of PS#0418	23,877,869	12,703,521	Construction	96%		10/22/2019	
	5.2	Upgrade of PS#0691	6,007,492	332,252	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	18,830,846	Construction	13%		6/17/2020	
	5.4	Replacement of Switchgear PS#0414	1,481,438	7,818,582	Construction	93%		6/15/2019	
	5.5	Replacement of Switchgear and Rehabilitation of Wet well PS#0415	4,805,995	8,568,189	Construction	95%		9/2/2019	
	5.6	Replacement of Switchgear PS#0416	1,481,438	7,823,656	Construction	95%		6/13/2019	
	5.7	Replacement of Switchgear and Rehabilitation of Wet well PS#0417	3,203,999	8,054,859	Construction	28%		7/25/2020	
	5.8	Replacement of Electrical and Mechanical Equipment in PS#0107	4,004,992	2,238,164	Complete	100%	2/3/2018	1/27/2019	Complete
	5.9	Replacement of Plumbing and Electrical Equipment at PS#0301	4,543,072	13,505,840	Procurement	25%		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	948,183	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	2,073,933	Complete / Closeout	99%	2/13/2019	5/18/2019	Project in closeout.
	5.12	Replacement of Switchgear at PS#0187	3,555,449	13,756,553	Complete / Closeout	95%	3/25/2019	3/26/2019	Project in closeout.
	5.13	Refurbish Emergency Generators and Controls at Regional Pump stations	3,054,141	581,209	Complete	100%	2/4/2016	7/20/2016	Complete
	5.14	Upgrade of PS #0086, 0492	2,127,389	1,302,441	Complete	100%	12/31/2013	12/31/2013	Complete
	5.15	Upgrade of PS #0065, 0201, 0334, 0374, 0607	5,835,671	6,670,515	Complete	100%	12/30/2015	12/31/2015	Complete
	5.16	Upgrade of PS #00198, 0437, 0466, 0680	3,806,369	4,357,479	Complete / Closeout	96%	1/24/2018	12/31/2018	Project in closeout.
	5.17	Upgrade of PS #0037, 0351, 0370, 0403	5,371,342	5,969,980	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	7,101,529	Construction	75%		12/13/2019	
	5.19	SCADA RTU Upgrades	10,003,462	5,510,220	Complete	100%	11/23/2015	3/18/2016	Complete
Subtotal:			105,582,984	128,147,953					
SEP	6.0	Supplemental Environmental Project (SEP)	2,047,200	5,493,331	Complete / Closeout	98%	12/26/2018	11/18/2019	Project in closeout.
Subtotal:			2,047,200	5,493,331					
Total Project Expenses:			1,552,681,572	1,915,730,507				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, April 2019 data.

Stipulated Penalties Notices from FDEP for Sanitary Sewer Overflow (SSO) Events.

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

*EPA/FDEP will be notified of paid stipulated penalties. Stipulated penalties payments to be distributed 50% payable to the EPA, and 50% payable to FDEP.