

WASD TRANSPARENCY REPORT - EXHIBIT C

Status of Consent Decree Projects for April 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	2,529,904	Construction	63%		2/23/2020	
	1.2	Oxygen Production	7,549,529	19,836,144	Construction	7%		2/25/2022	
	1.3	Oxygenation Trains	18,121,319	11,652,939	Construction	16%		11/16/2025	
	1.4	Chlorine Building	2,520,707	3,821,853	Design	68%		8/7/2023	
	1.5	Effluent Pump Station	27,010,183	49,135,143	Construction	27%		4/7/2022	
	1.6	Gravity Sludge Thickeners	5,246,274	40,849,269	Procurement	60%		1/6/2023	
	1.7	Digesters and Control Buildings	48,532,291	136,334,081	Construction	19%		11/21/2023	
	1.8	Dewatering Facility	16,608,534	43,427,359	Procurement	60%		1/6/2023	
	1.9	FOG Removal Facility	928,077	8,381,171	Complete / Closeout	95%	3/26/2019	5/24/2019	Project reached Substantial Completion on March 26, 2019. The project is currently in closeout.
	1.10	Odor Control	8,130,067	23,799,791	Design	54%		4/25/2023	
	1.11	General Electrical	12,165,144	14,422,850	Procurement	54%		3/26/2021	
	1.12	Chlorine Contact Chamber Structural	6,935,601	5,255,533	Construction	40%		6/18/2021	
Subtotal:			154,476,069	359,446,038					
Central District WWTP	2.1	Electrical Improvements	28,392,361	17,630,655	Construction	50%		6/14/2021	
	2.2	Building improvements	5,673,576	5,927,560	Procurement	95%		9/26/2019	
	2.3	Headworks Plant 1	20,637,859	16,812,619	Complete / Closeout	95%	3/7/2019	3/16/2019	Project reached Substantial Completion on March 07, 2019. The project is currently in closeout.
	2.4	Headworks Plant 2	20,891,336	9,298,296	Construction	86%		8/23/2019	
	2.5	Oxygenation Trains Plant 1	6,882,836	5,506,237	Complete	100%	6/15/2018	4/12/2019	Complete
	2.6	Oxygenation Trains Plant 2	15,957,546	16,868,038	Construction	73%		4/14/2022	
	2.7	Secondary Clarifiers Plant 1	4,919,245	24,515,911	Construction	33%		8/15/2026	
	2.8	Secondary Clarifiers Plant 2	7,242,220	13,229,763	Construction	3%		12/1/2024	
	2.9	RS Pump Stations Plant 1	9,441,453	15,351,743	Design	26%		8/15/2026	
	2.10	RS Pump Stations Plant 2	14,310,201	35,118,178	Construction	10%		12/1/2024	
	2.11	Effluent Pump Station	9,926,072	31,119,943	Procurement	63%		6/21/2021	
	2.12	Sludge Thickeners Plant 1	11,156,240	31,146,936	Procurement	60%		1/13/2023	
	2.13	Sludge Thickeners Plant 2	9,552,318	39,007,947	Procurement	60%		1/13/2023	
	2.14	Digesters Plant 1	60,684,546	8,433,550	Planning	0%		1/19/2026	
	2.15	Digesters Plant 2	122,761,868	132,079,304	Construction	38%		6/18/2023	
	2.16	Dewatering Building	99,952,854	48,901,554	Procurement	60%		1/13/2023	
	2.17	Chlorination Facilities	16,713,956	26,691,378	Complete / Closeout	99%	7/27/2018	10/15/2018	Project in closeout.
	2.18	Odor Control Systems	20,208,323	11,714,484	Construction	45%		1/13/2023	
	2.19	Co-Gen Facility	30,311,204	61,209,467	Construction	65%		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	8,832,301	Construction	62%		2/26/2021	
	2.22	Pump Station 2	5,371,361	9,454,792	Construction	43%		5/25/2019	
	2.23	O2 Plant Process Controls Phase 2	482,909	708,291	Complete	100%	10/14/2016	3/9/2017	Complete
2.24	Gas Monitoring	334,913	1,084,926	Complete	100%	9/29/2017	9/19/2017	Complete	
2.25	Ventilation Improvements	2,766,973	10,785,878	Construction	70%		2/27/2025		
2.26	Rehabilitation of Walkways and Stairways	2,685,405	2,669,610	Construction	10%		9/27/2027		
2.27	Oxygen Production	26,503,191	79,662,326	Construction	0%		2/13/2022		
2.28	SCADA RTU Upgrades	396,000	365,504	Complete	100%	2/10/2014	3/29/2014	Complete	
2.29	High Strength Influent Impact Study	1,544,400	1,115,182	Complete	100%	6/5/2014	6/24/2014	Complete	
Subtotal:			596,338,295	665,242,373					

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North District WWTP	3.1	Headworks and Sludge Degritting Transfer	31,777,875	35,541,322	Complete / Closeout	99%	12/6/2017	4/7/2018	Project in closeout.
	3.2	Primary Clarifiers and Odor Control	47,630,971	75,802,865	Construction	54%		4/6/2023	
	3.3	Oxygenation Trains	26,824,143	66,589,413	Design	8%		3/6/2026	
	3.4	Oxygen Production	7,139,589	47,781,844	Design	8%		3/6/2026	
	3.5	Secondary Clarifiers	81,645,502	52,896,350	Construction	53%		8/24/2027	
	3.6	Disinfection	18,721,749	24,352,102	Construction	3%		9/9/2020	
	3.7	Effluent Disposal	27,500,829	10,457,762	Complete / Closeout	99%	6/29/2018	12/28/2021	Project in closeout.
	3.8	Plant Wide Electrical	18,859,689	3,267,333	Design	19%		8/20/2022	
	3.9	Flood Mitigation	4,327,589	777,008	Complete	100%	6/24/2016	8/13/2017	Complete
	3.10	Yard Piping Replacement	4,901,560	229,279	Complete	100%	5/24/2016	12/4/2021	Complete
	3.11	SCADA RTU Upgrades	1,200,320	1,039,827	Complete	100%	11/26/2014	3/24/2015	Complete
Subtotal:			270,529,816	318,735,106					
Wastewater Collection and Transmission Lines	4.1	Collection System I/I Repairs	138,538,762	153,247,753	Construction	48%		9/27/2027	
	4.2	Government Cut FM - Phase 1& 2	35,187,000	45,152,503	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	94,307,730	Complete	100%	11/23/16	4/8/2017	Complete
	4.4	North Dade 72 inch PCCP FM Rehabilitation	23,764,116	22,897,601	Complete	100%	5/5/2016	3/5/2018	Complete
	4.5	South Dade 54 inch PCCP FM Rehabilitation	18,570,705	47,066,508	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	705,441	Complete	100%	8/11/2014	10/29/2016	Complete
	4.7	Replacement of 18 inch DIP FM in Miami Lakes	2,323,333	1,080,446	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	21,428,941	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	31,226,699	Construction	71%		10/17/2020	
	4.10	Opa-Locka Airport 48" PCCP force main replacement	23,668,622	25,159,067	Complete / Closeout	99%	5/11/2018	10/25/2018	Project in closeout.
Subtotal:			423,707,208	442,272,692					

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Sewer Pump Station Systems	5.1	Upgrade of PS#0418	23,877,869	12,702,473	Construction	95%		10/22/2019	
	5.2	Upgrade of PS#0691	6,007,492	332,225	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	18,829,292	Construction	8%		6/17/2020	
	5.4	Replacement of Switchgear PS#0414	1,481,438	7,817,937	Construction	90%		6/15/2019	
	5.5	Replacement of Switchgear and Rehabilitation of Wet well PS#0415	4,805,995	8,567,482	Construction	91%		9/2/2019	
	5.6	Replacement of Switchgear PS#0416	1,481,438	7,823,010	Construction	93%		6/13/2019	
	5.7	Replacement of Switchgear and Rehabilitation of Wet well PS#0417	3,203,999	8,054,194	Construction	25%		7/25/2020	
	5.8	Replacement of Electrical and Mechanical Equipment in PS#0107	4,004,992	2,237,980	Complete	100%	2/3/2018	1/27/2019	Complete
	5.9	Replacement of Plumbing and Electrical Equipment at PS#0301	4,543,072	13,504,726	Permitting	55%		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	948,105	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	2,073,762	Complete / Closeout	99%	2/13/2019	5/18/2019	Project in closeout.
	5.12	Replacement of Switchgear at PS#0187	3,555,449	13,755,418	Complete / Closeout	95%	3/25/2019	3/26/2019	Project reached Substantial Completion on March 25, 2019. The project is currently in closeout.
	5.13	Refurbish Emergency Generators and Controls at Regional Pump stations	3,054,141	581,161	Complete	100%	2/4/2016	7/20/2016	Complete
	5.14	Upgrade of PS #0086, 0492	2,127,389	1,302,334	Complete	100%	12/31/2013	12/31/2013	Complete
	5.15	Upgrade of PS #0065, 0201, 0334, 0374, 0607	5,835,671	6,669,964	Complete	100%	12/30/2015	12/31/2015	Complete
	5.16	Upgrade of PS #00198, 0437, 0466, 0680	3,806,369	4,357,119	Complete / Closeout	95%	1/24/2018	12/31/2018	Project in closeout.
	5.17	Upgrade of PS #0037, 0351, 0370, 0403	5,371,342	6,452,641	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	7,100,943	Construction	59%		12/13/2019	
	5.19	SCADA RTU Upgrades	10,003,462	5,509,765	Complete	100%	11/23/2015	3/18/2016	Complete
Subtotal:			105,582,984	128,620,530					
SEP	6.0	Supplemental Environmental Project (SEP)	2,047,200	5,492,878	Complete / Closeout	95%	12/26/2018	11/18/2019	Project in closeout.
Subtotal:			2,047,200	5,492,878					
Total Project Expenses:			1,552,681,572	1,919,809,617				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, March 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.