

WASD TRANSPARENCY REPORT - EXHIBIT C

Status of Consent Decree Projects for February 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	1,021,041	Complete / Closeout	99%	11/6/2019	2/23/2020	Project in closeout.
	1.2	Oxygen Production	7,549,529	19,880,587	Construction	28%		2/25/2022	
	1.3	Oxygenation Trains	18,121,319	6,222,226	Construction	34%		11/16/2025	
	1.4	Chlorine Building	2,520,707	2,644,436	Permitting	60%		8/7/2023	
	1.5	Effluent Pump Station	27,010,183	42,346,586	Construction	59%		4/7/2022	
	1.6	Gravity Sludge Thickeners	5,246,274	43,742,958	Procurement	82%		1/6/2023	
	1.7	Digesters and Control Buildings	48,532,291	136,291,795	Construction	51%		11/21/2023	
	1.8	Dewatering Facility	16,608,534	70,953,186	Procurement	82%		1/6/2023	
	1.9	FOG Removal Facility	928,077	8,760,196	Complete / Closeout	99%	3/26/2019	5/24/2019	Project in closeout.
	1.10	Odor Control	8,130,067	18,231,661	Permitting	40%		4/25/2023	
	1.11	General Electrical	12,165,144	15,458,471	Construction	2%		3/26/2021	
	1.12	Chlorine Contact Chamber Structural	6,935,601	5,547,193	Construction	65%		6/18/2021	
<b>Subtotal:</b>			<b>154,476,069</b>	<b>371,100,337</b>					
Central District WWTP	2.1	Electrical Improvements	28,392,361	17,883,372	Construction	60%		6/14/2021	
	2.2	Building improvements	5,673,576	5,014,957	Complete / Closeout	99%	1/17/2020	9/26/2019	Substantially completed on January 17, 2020. 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	17,529,083	Complete / Closeout	98%	3/7/2019	3/16/2019	Project in closeout.
	2.4	Headworks Plant 2	20,891,336	9,840,948	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	10,086,321	Construction	73%		4/14/2022	
	2.7	Secondary Clarifiers Plant 1	4,919,245	14,012,868	Construction	36%		8/15/2026	
	2.8	Secondary Clarifiers Plant 2	7,242,220	17,354,385	Construction	31%		12/1/2024	
	2.9	RS Pump Stations Plant 1	9,441,453	23,985,630	Permitting	20%		8/15/2026	
	2.10	RS Pump Stations Plant 2	14,310,201	35,191,837	Construction	36%		12/1/2024	
	2.11	Effluent Pump Station	9,926,072	31,139,382	Construction	23%		6/21/2021	
	2.12	Sludge Thickeners Plant 1	11,156,240	28,648,858	Procurement	82%		1/13/2023	
	2.13	Sludge Thickeners Plant 2	9,552,318	30,379,176	Procurement	82%		1/13/2023	
	2.14	Digesters Plant 1	60,684,546	8,454,034	Planning	0%		1/19/2026	
	2.15	Digesters Plant 2	122,761,868	129,923,789	Construction	55%		6/18/2023	
	2.16	Dewatering Building	99,952,854	82,390,673	Procurement	82%		1/13/2023	
	2.17	Chlorination Facilities	16,713,956	27,452,248	Complete / Closeout	99%	7/27/2018	10/15/2018	Project in closeout.
	2.18	Odor Control Systems	20,208,323	6,207,820	Construction	49%		1/13/2023	
	2.19	Co-Gen Facility	30,311,204	63,675,897	Construction	87%		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	8,917,763	Complete / Closeout	99%	12/19/2019	2/26/2021	Substantially completed on December 19, 2019. Project in closeout.
	2.22	Pump Station 2	5,371,361	10,486,703	Construction	76%		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	1,006,461	Construction	92%		2/27/2025		
2.26	Rehabilitation of Walkways and Stairways	2,685,405	2,666,740	Construction	10%		9/27/2027		
2.27	Oxygen Production	26,503,191	79,658,297	Construction	28%		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	
<b>Subtotal:</b>			<b>596,338,295</b>	<b>669,794,885</b>					

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North District WWTP	3.1	Headworks and Sludge Degritting Transfer	31,777,875	36,336,423	Complete / Closeout	99%	12/6/2017	4/7/2018	Project in closeout.
	3.2	Primary Clarifiers and Odor Control	47,630,971	76,200,949	Construction	70%		4/6/2023	
	3.3	Oxygenation Trains	26,824,143	70,920,473	Design	13%		3/6/2026	
	3.4	Oxygen Production	7,139,589	50,709,716	Design	13%		3/6/2026	
	3.5	Secondary Clarifiers	81,645,502	52,978,355	Construction	61%		8/24/2027	
	3.6	Disinfection	18,721,749	24,385,191	Construction	43%		9/9/2020	
	3.7	Effluent Disposal	27,500,829	7,073,094	Complete / Closeout	99%	6/29/2018	12/28/2021	Project in closeout.
	3.8	Plant Wide Electrical	18,859,689	3,263,820	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
<b>Subtotal:</b>			<b>270,529,816</b>	<b>323,780,011</b>					
Wastewater Collection and Transmission Lines	4.1	Collection System I/I Repairs	138,538,762	149,933,588	Construction	62%		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	44,351,706	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	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	31,675,140	Construction	93%		10/17/2020	
	4.10	Opa-Locka Airport 48" PCCP force main replacement	23,668,622	25,630,320	Complete / Closeout	99%	5/11/2018	10/25/2018	Project in closeout.
<b>Subtotal:</b>			<b>423,707,208</b>	<b>423,120,564</b>					

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Sewer Pump Station Systems	5.1	Upgrade of PS#0418	23,877,869	13,339,044	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	331,868	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	19,699,963	Construction	68%		6/17/2020	
	5.4	Replacement of Switchgear PS#0414	1,481,438	8,959,840	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	10,073,174	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	8,494,261	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	8,715,038	Construction	70%		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	13,854,302	Construction	1%		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	2,151,695	Complete / Closeout	99%	2/13/2019	5/18/2019	Project in closeout.
	5.12	Replacement of Switchgear at PS#0187	3,555,449	15,056,049	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	4,053,307	Complete / Closeout	98%	1/24/2018	12/31/2018	Project in closeout.
	5.17	Upgrade of PS #0037, 0351, 0370, 0403	5,371,342	6,227,249	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	7,183,814	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
<b>Subtotal:</b>			<b>105,582,984</b>	<b>134,397,594</b>					
SEP	6.0	Supplemental Environmental Project (SEP)	2,047,200	4,620,978	Complete / Closeout	99%	12/26/2018	11/18/2019	Project in closeout.
<b>Subtotal:</b>			<b>2,047,200</b>	<b>4,620,978</b>					
<b>Total Project Expenses:</b>			<b>1,552,681,572</b>	<b>1,926,814,370</b>				<b>9/27/2027</b>	

- 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, January 2020 data.
- 3) Yellow highlights indicate changes from the prior month's report.

**Stipulated Penalties Notices from FDEP for Sanitary Sewer Overflow (SSO) Events, January 2020 data.**

Type	Agency	Demand Letter Date	Penalty	Description of the event	Remarks
N/A - No Stipulated Penalty Notices this reporting period.					
On January 17, 2020, WASD made a payment to FDEP in the amount of \$51,000 for the December 2019, Demaond for Stipulated Penalties associated with 68 SSO events that occurred in 2017 and 2018. A detailed list of the SSO events was included in the previous transparency report.					