

WASD TRANSPARENCY REPORT - EXHIBIT C

Status of Consent Decree Projects for April 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 / Closeout	99%	11/6/2019	2/23/2020	Project in closeout.
	1.2	Oxygen Production	7,549,529	20,176,503	Construction	36%		2/25/2022	
	1.3	Oxygenation Trains	18,121,319	6,221,045	Construction	35%		11/16/2025	
	1.4	Chlorine Building	2,520,707	2,648,425	Procurement	1%		8/7/2023	
	1.5	Effluent Pump Station	27,010,183	42,332,910	Construction	66%		4/7/2022	
	1.6	Gravity Sludge Thickeners	5,246,274	43,504,508	Procurement	85%		1/6/2023	
	1.7	Digesters and Control Buildings	48,532,291	140,485,822	Construction	53%		11/21/2023	
	1.8	Dewatering Facility	16,608,534	70,572,885	Procurement	85%		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	18,236,595	Procurement	10%		4/25/2023	
	1.11	General Electrical	12,165,144	15,406,890	Construction	5%		3/26/2021	
	1.12	Chlorine Contact Chamber Structural	6,935,601	6,008,455	Construction	76%		6/18/2021	
<b>Subtotal:</b>			<b>154,476,069</b>	<b>374,581,132</b>					
Central District WWTP	2.1	Electrical Improvements	28,392,361	17,862,486	Construction	64%		6/14/2021	
	2.2	Building improvements	5,673,576	4,767,713	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	17,508,671	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	4,846,040	Complete	100%	6/15/2018	4/12/2019	Complete
	2.6	Oxygenation Trains Plant 2	15,957,546	10,047,662	Construction	75%		4/14/2022	
	2.7	Secondary Clarifiers Plant 1	4,919,245	13,946,905	Construction	36%		8/15/2026	
	2.8	Secondary Clarifiers Plant 2	7,242,220	17,518,010	Construction	35%		12/1/2024	
	2.9	RS Pump Stations Plant 1	9,441,453	23,950,318	Permitting	80%		8/15/2026	
	2.10	RS Pump Stations Plant 2	14,310,201	35,680,074	Construction	44%		12/1/2024	
	2.11	Effluent Pump Station	9,926,072	31,164,453	Construction	42%		6/21/2021	
	2.12	Sludge Thickeners Plant 1	11,156,240	28,492,689	Procurement	85%		1/13/2023	
	2.13	Sludge Thickeners Plant 2	9,552,318	30,213,575	Procurement	85%		1/13/2023	
	2.14	Digesters Plant 1	60,684,546	8,425,208	Planning	0%		1/19/2026	
	2.15	Digesters Plant 2	122,761,868	132,294,595	Construction	56%		6/18/2023	
	2.16	Dewatering Building	99,952,854	81,991,411	Procurement	85%		1/13/2023	
	2.17	Chlorination Facilities	16,713,956	25,895,147	Complete / Closeout	99%	7/27/2018	10/15/2018	Project in closeout.
	2.18	Odor Control Systems	20,208,323	6,247,300	Construction	50%		1/13/2023	
	2.19	Co-Gen Facility	30,311,204	66,172,098	Construction	89%		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	8,806,148	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	10,568,035	Construction	79%		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	1,021,524	Construction	93%		2/27/2025		
2.26	Rehabilitation of Walkways and Stairways	2,685,405	2,834,712	Construction	10%		9/27/2027		
2.27	Oxygen Production	26,503,191	80,406,977	Construction	32%		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>673,288,159</b>					

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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	77,385,301	Construction	72%		4/6/2023	
	3.3	Oxygenation Trains	26,824,143	70,535,351	Design	49%		3/6/2026	
	3.4	Oxygen Production	7,139,589	50,517,162	Design	49%		3/6/2026	
	3.5	Secondary Clarifiers	81,645,502	53,104,755	Construction	63%		8/24/2027	
	3.6	Disinfection	18,721,749	24,770,540	Construction	65%		9/9/2020	
	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	3,246,029	Procurement	30%		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>322,190,958</b>					
Wastewater Collection and Transmission Lines	4.1	Collection System I/I Repairs	138,538,762	150,853,779	Construction	64%		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	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	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	32,462,735	Construction	96%		10/17/2020	
	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.
<b>Subtotal:</b>			<b>423,707,208</b>	<b>420,855,999</b>					

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Sewer Pump Station Systems	5.1	Upgrade of PS#0418	23,877,869	12,714,060	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	310,447	Complete	100%	11/8/2019	1/27/2019	<b>Complete</b> Substantially completed on November 8, 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	20,311,607	Construction	75%		6/17/2020	
	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	9,823,906	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	8,256,697	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	8,956,933	Construction	79%		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	13,820,547	Construction	3%		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	2,139,036	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	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	6,390,779	Complete	100%	12/30/2015	12/31/2015	Complete
	5.16	Upgrade of PS #00198, 0437, 0466, 0680	3,806,369	3,800,293	Complete	100%	1/24/2018	12/31/2018	Complete
	5.17	Upgrade of PS #0037, 0351, 0370, 0403	5,371,342	5,914,999	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	7,360,422	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
<b>Subtotal:</b>			<b>105,582,984</b>	<b>132,815,077</b>					
SEP	6.0	Supplemental Environmental Project (SEP)	2,047,200	4,322,717	Complete / Closeout	99%	12/26/2018	11/18/2019	Project in closeout.
<b>Subtotal:</b>			<b>2,047,200</b>	<b>4,322,717</b>					
<b>Total Project Expenses:</b>			<b>1,552,681,572</b>	<b>1,928,054,042</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, March 2020 data.

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

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

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

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WASD received a Demand for Stipulated Penalties letter, dated February 11, 2020, from the Florida Department of Environmental Protection (FDEP), for 37 SSO events. The detail of these events has not been confirmed and therefore will be defined in upcoming Transparency Reports. On March 12, 2020, the FDEP granted a 30-day extension for the February 11, 2020 demand letter. Once the revised demand letter for stipulated penalties is received, the detail of these events, for which stipulated penalties are assessed, will be stated in the next Transparency Report.