

WASD TRANSPARENCY REPORT - EXHIBIT C

Status of Consent Decree Projects for July 2022

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	386,223	Complete	100%	11/6/2019	2/23/2020	Complete
	1.2	Oxygen Production	7,549,529	21,828,913	Construction	88%		2/25/2022	On July 14, 2021, the County submitted a Potential Delay Notification Letter to EPA and FDEP. Failure to Meet Compliance Date Notification sent to EPA and FDEP on February 25, 2022.
	1.3	Oxygenation Trains	18,121,319	5,954,078	Construction	43%		11/16/2025	Project is comprised of Structural Rehabilitation, Mixer Upgrades and Electrical Building Expansion, and Substations 5/6 and 15/16. These last two have been incorporated into the Ocean Outfall Legislation Program as the OOL-ST-1B and OOL ST-2D Projects, Both currently in procurement. Structural Rehabilitation for trains 1, 4, 5, 6 and 7 is complete. Structural Rehabilitation for trains 2 and 3 is included as part of project OOL-ST-1B.
	1.4	Chlorine Building	2,520,707	3,438,635	Complete / Closeout	95%	1/27/2022	8/7/2023	Substantially completed on January 27, 2022.
	1.5	Effluent Pump Station	27,010,183	43,273,908	Complete / Closeout	99%	4/21/2022	4/7/2022	On October 29, 2021, the County submitted a Potential Delay Notification Letter to EPA and FDEP. Request for Time Extension and Project Status Update Notification sent on April 7, 2022. Substantially completed on April 21, 2022.
	1.6	Gravity Sludge Thickeners	5,246,274	42,723,952	Construction	66%		1/6/2023	
	1.7	Digesters and Control Buildings	48,532,291	141,607,364	Construction	87%		11/21/2023	
	1.8	Dewatering Facility	16,608,534	71,296,138	Construction	66%		1/6/2023	
	1.9	FOG Removal Facility	928,077	8,643,870	Complete	100%	3/26/2019	5/24/2019	Project closeout was finalized
	1.10	Odor Control	8,130,067	21,160,939	Construction	87%		4/25/2023	
	1.11	General Electrical	12,165,144	15,735,077	Construction	56%		3/26/2021	On June 28, 2019, the County submitted a Potential Delay Notification Letter to EPA and FDEP. On January 15, 2021, the County provided an update letter to EPA and FDEP regarding the potential delay of CD 1.11 General Electric at SDWWTP, including an additional delay on CD 1.11 (1.2) Generator Repairs. On March 17, 2021, the County notified EPA and FDEP that the March 26, 2021 EPA compliance date will be missed.
	1.12	Chlorine Contact Chamber Structural	6,935,601	4,853,292	Complete	100%	4/5/2021	6/18/2021	Project closeout was finalized
		Subtotal:		154,476,069	380,902,388				
Central District WWTP	2.1	Electrical Improvements	28,392,361	18,241,954	Construction	99%		6/14/2021	On September 29, 2020, the County submitted electronic notice of a potential delay to EPA and FDEP. On October 13, 2020, the County submitted a Potential Delay Notification Letter to EPA and FDEP. Failure to Meet Compliance Date Notification sent to EPA and FDEP on June 14, 2021.
	2.2	Building improvements	5,673,576	4,631,682	Complete	100%	1/17/2020	9/26/2019	Project closeout was finalized. 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	17,577,754	Complete / Closeout	99%	3/7/2019	3/16/2019	Project in closeout.
	2.4	Headworks Plant 2	20,891,336	9,607,495	Complete / Closeout	99%	8/13/2019	8/23/2019	Project in closeout.
	2.5	Oxygenation Trains Plant 1	6,882,836	5,252,392	Complete	100%	6/15/2018	4/12/2019	Complete
	2.6	Oxygenation Trains Plant 2	15,957,546	11,714,842	Complete	100%	9/28/2021	4/14/2022	Complete
	2.7	Secondary Clarifiers Plant 1	4,919,245	13,733,557	Construction	36%		8/15/2026	
	2.8	Secondary Clarifiers Plant 2	7,242,220	16,518,896	Construction	68%		12/1/2024	
	2.9	RS Pump Stations Plant 1	9,441,453	23,559,906	Procurement	0%		8/15/2026	
	2.10	RS Pump Stations Plant 2	14,310,201	36,334,557	Construction	93%		12/1/2024	
	2.11	Effluent Pump Station	9,926,072	30,982,917	Complete / Closeout	99%	6/17/2021	6/21/2021	Project in Closeout. On January 28, 2021, the County submitted electronic notification of a potential delay to EPA and FDEP. On February 11, 2021, the County notified EPA & FDEP of a delay of CD 2.11 Effluent Pump Station. FDEP notification of construction completion excuted on June 17, 2021.
	2.12	Sludge Thickeners Plant 1	11,156,240	5,894,667	Construction	66%		1/13/2023	
	2.13	Sludge Thickeners Plant 2	9,552,318	6,281,645	Construction	66%		1/13/2023	

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Central District WWTP	2.14	Digesters Plant 1	60,684,546	8,179,197	Planning	0%		1/19/2026	On February 8, 2016, the County submitted a request for a non-material change to EPA and FDEP. The County has not received a final determination of this request from EPA and FDEP.
	2.15	Digesters Plant 2	122,761,868	158,658,488	Construction	65%		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	131,286,027	Construction	66%		1/13/2023	
	2.17	Chlorination Facilities	16,713,956	23,823,349	Complete	100%	7/27/2018	10/15/2018	Complete
	2.18	Odor Control Systems	20,208,323	3,414,465	Construction	83%		1/13/2023	
	2.19	Co-Gen Facility	30,311,204	65,314,343	Construction	99%		5/21/2020	Failure to Meet Compliance Date and Project Status Update Notification sent to EPA and FDEP on May 21, 2020. Electronic and written notification of a potential delay submitted to FDEP and EPA on December 30, 2019 and January 10, 2020 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	8,042,943	Complete / Closeout	99%	12/19/2019	2/26/2021	Project in closeout.
	2.22	Pump Station 2	5,371,361	10,618,781	Construction	99%		5/25/2019	Termination for default of Contractor. Delay notification sent to EPA & FDEP May 20, 2019. This project achieved construction completion for the Pump Station building on August 23, 2021. Flow meter installation is pending for its Substantial Completion.
	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	968,559	Complete / Closeout	100%	8/23/2021	2/27/2025	Substantially completed on August 23, 2021.
	2.26	Rehabilitation of Walkways and Stairways	2,685,405	2,740,022	Construction	18%		9/27/2027	
	2.27	Oxygen Production	26,503,191	79,246,518	Complete / Closeout	99%	9/28/2021	2/13/2022	Substantially completed on September 28, 2021.
	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	695,684,251					
North District WWTP	3.1	Headworks and Sludge Degritting Transfer	31,777,875	32,127,242	Complete / Closeout	99%	12/6/2017	4/7/2018	Project in closeout.
	3.2	Primary Clarifiers and Odor Control	47,630,971	78,195,278	Construction	96%		4/6/2023	
	3.3	Oxygenation Trains	26,824,143	887,850	Procurement	85%		3/6/2026	
	3.4	Oxygen Production	7,139,589	171,136,861	Procurement	85%		3/6/2026	
	3.5	Secondary Clarifiers	81,645,502	52,934,566	Construction	81%		8/24/2027	
	3.6	Disinfection	18,721,749	25,119,785	Complete / Closeout	99%	3/5/2022	9/9/2020	Project in closeout.
	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	1,336,978	Complete	100%	3/2/2021	8/20/2022	Complete
	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	370,267,109						

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Wastewater Collection and Transmission Lines	4.1	Collection System I/I Repairs	138,538,762	141,890,366	Construction	76%		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	41,646,640	Complete	100%	9/14/2018	12/23/2018	Complete
	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	30,707,624	Complete / Closeout	100%	6/5/2020	10/17/2020	Project in closeout. Substantially completed on June 5, 2020. On October 7, 2020 the County submitted the Completion Letter to EPA and FDEP.
	4.10	Opa-Locka Airport 48" PCCP force main replacement	23,668,622	22,546,498	Complete / Closeout	99%	5/11/2018	10/25/2018	Project in closeout.
	Subtotal:	423,707,208	408,283,403						
Sewer Pump Station Systems	5.1	Upgrade of PS#0418	23,877,869	12,664,082	Complete	100%	11/8/2019	10/22/2019	Complete
	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.
	5.3	Upgrade of PS#0692	6,007,492	20,130,971	Complete / Closeout	99%	11/17/2020	6/17/2020	Project in closeout. Substantially completed on November 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	10,167,606	Complete / Closeout	99%	6/11/2019	6/15/2019	Project in closeout.
	5.5	Replacement of Switchgear and Rehabilitation of	4,805,995	9,828,682	Complete	100%	11/13/2019	9/2/2019	Complete
	5.6	Replacement of Switchgear PS#0416	1,481,438	8,103,292	Complete	100%	6/11/2019	6/13/2019	Complete
	5.7	Replacement of Switchgear and Rehabilitation of Wet well PS#0417	3,203,999	8,952,796	Complete	100%	7/1/2020	7/25/2020	Complete
	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	13,541,182	Complete / Closeout	99%	1/25/2022	1/24/2022	Scope of the project has changed. A change request was submitted to EPA for approval on July 28, 2017. Project was substantially completed Jan. 25, 2022.
	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	2,379,504	Complete	100%	2/13/2019	5/18/2019	Complete

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Sewer Pump Station Systems	5.12	Replacement of Switchgear at PS#0187	3,555,449	14,350,947	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	6,148,953	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	6,174,436	Complete / Closeout	100%	4/30/2018	11/20/2018	Project in closeout.
	5.18	Upgrade of PS #0441, 0491, 0710, 0827, 0852, 1236	7,526,751	6,692,656	Complete	100%	11/18/2019	12/13/2019	Complete
	5.19	SCADA RTU Upgrades	10,003,462	5,148,595	Complete	100%	11/23/2015	3/18/2016	Complete
	Subtotal:		105,582,984	133,084,669					
SEP	6.0	Supplemental Environmental Project (SEP)	2,047,200	4,653,473	Complete	100%	12/26/2018	11/18/2019	Complete
		Subtotal:	2,047,200	4,653,473					
Total Project Expenses:			1,552,681,572	1,992,875,293				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: **June 2022**

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

Stipulated Penalties Notices from FDEP for Sanitary Sewer Overflow (SSO) Events, month of: **June 2022**

Type	Agency	Demand Letter Date	Penalty	Description of the event					Remarks
				Location	Incident No.	Date	Reached Waters of US	Est. Volume gallons	
SSO	FDEP	6/23/2022	\$ 5,000	350 SUNNY ISLES BLVD SUNNY ISLES BEACH 33160	440860	February 2, 2019	Yes	720,000	Multiple pumps clogged due to rags/wipes
SSO	FDEP	6/23/2022	\$ 1,000	100 KINGPOINT DR	440872	February 2, 2019	Yes	2,900	Multiple pumps clogged due to rags/wipes
SSO	FDEP	6/23/2022	N/A	15401 SW 42 ST UNINCORPORATED MIAMI-DADE 33185	444558	December 4, 2019	Yes	21,632	12" DI force main broken by non- County contractor
SSO	FDEP	6/23/2022	\$ 1,000	1015 N AMERICAN WAY MIAMI 33132	450410	July 21, 2019	Yes	8,617	8" CI force main leaking due to corrosion. This asset belongs to the Port of Miami
SSO	FDEP	6/23/2022	\$ 20,000	2500 NE 163 ST NORTH MIAMI 33160	451801	November 8, 2019	Yes	1,731,586	Leaking 48" force main due to internal and external corrosion
SSO	FDEP	6/23/2022	\$ 10,000	WILLIAM LEHMAN CSWY & Biscayne BLVD AVENTURA 33180	454104	December 9, 2019	Yes	304,423	24" DI force main broken due to internal corrosion
SSO	FDEP	6/23/2022	\$ 4,000	NE 192 ST & W COUNTRY CLUB DR AVENTURA 33180	454206	September 14, 2019	Yes	33,826	24" DI force main broken due to corrosion of a 2" air release tap
SSO	FDEP	6/23/2022	\$ 1,000	900 NE 199 ST UNINCORPORATED MIAMI-DADE 33179	455527	August 10, 2019	Yes	50	Gravity main blockage due to grease
SSO	FDEP	6/23/2022	\$ 4,000	21545 SW 87 AVE CUTLER BAY 33189	458206	November 25, 2019	Yes	26,147	8" DI force main broken due to point loading
SSO	FDEP	6/23/2022	\$ 4,000	2601 NE 163 ST NORTH MIAMI 33160	459398	December 17, 2019	Yes	21,146	6" CI force main leaking due to exterior and interior corrosion.
SSO	FDEP	6/23/2022	\$ 1,000	855 WATERSTONE WAY HOMESTEAD 33033	461008	January 14, 2020	Yes	1,315	Force main leaking due to malfunctioning clamp.
SSO	FDEP	6/23/2022	\$ 4,000	18151 NE 31 CT AVENTURA 33160	461728	January 27, 2020	Yes	20,280	Force main, broken leaking due to interior corrosion
SSO	FDEP	6/23/2022	\$ 4,000	7000 Island BLVD AVENTURA 33160	462239	April 2, 2020	Yes	210,096	Force main, broken leaking due to interior corrosion.
SSO	FDEP	6/23/2022	\$ 1,000	17050 N Bay RD SUNNY ISLES BEACH 33160	462609	October 2, 2020	Yes	80	Gravity main blockage due to grease, spill at MH #165
SSO	FDEP	6/23/2022	\$ 4,000	18181 NE 31 CT AVENTURA 33160	463310	February 24, 2020	Yes	184,728	Force main, broken leaking due to exterior corrosion.

Type	Agency	Demand Letter Date	Penalty	Description of the event					Remarks
				Location	Incident No.	Date	Reached Waters of US	Est. Volume gallons	
SSO	FDEP	6/23/2022	\$ 1,000	15830 SW 304 ST UNINCORPORATED MIAMI-DADE 33033	465587	June 4, 2020	Yes	20	Automatic ARV was leaking due to a failure of the rolling seal assembly.
SSO	FDEP	6/23/2022	\$ 4,000	7900 ISLAND BLVD AVENTURA 33160	467168	June 5, 2020	Yes	80,833	18" DI force main broken due to external corrosion.
SSO	FDEP	6/23/2022	\$ 1,000	NE 26 AVE & NE 163 ST NORTH MIAMI 33160	469184	January 6, 2020	Yes	7,319	6" DI force main was leaking due to a spilt on the pipe cause unknow.
SSO	FDEP	6/23/2022	\$ 1,000	NW 155 TER & NW 16 CT MIAMI GARDENS 33169	475188	October 9, 2020	Yes	50	Leaking AARV leaking due to grease and debris clogging.
SSO	FDEP	6/23/2022	\$ 1,000	16501 NE 16 AVE NORTH MIAMI BEACH 33162	476969	May 10, 2020	Yes	480	Broken by a garbage truck while backing up and striking the 53 Box causing the manual ARV to break.
SSO	FDEP	6/23/2022	\$ 4,000	100 CHOPIN PLZ MIAMI 33131	480140	November 20, 2020	Yes	99,285	Leaking 16" sludge line leaking inside Biscayne Bay.
SSO	FDEP	6/23/2022	\$ 1,000	544 NW 136 PL UNINCORPORATED MIAMI-DADE 33182	482449	December 28, 2020	Yes	50	Automatic ARI ARV was leaking due to a failure of the rolling seal assembly.