Table 1, Summary of Air Pollutant Standards and Terms

Hillsborough County Resource Recovery Facility — Final Permit No. 0570261-017-AV
Hillsborough County Resource Recovery Facility — Facility ID No. 0570261

This table summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.

E.U. ID No.	Brief Description
001	Municipal Waste Combustor Unit 1
002	Municipal Waste Combustor Unit 2
003	Municipal Waste Combustor Unit 3

The following apply to each individual emissions unit

Pollutant Name or Parameter	Fuel(s)	Hours/Year	Allowable Emissions Standard(s)	Allowable Emissions lbs./hour	Allowable Emissions TPY	Equivalent Emissions* lbs./hour	Equivalent Emissions* TPY	Regulatory Citation(s)	See permit condition(s)
PM	MSW	8760	25 mg/dscm, corrected to 7% O_2			3.8	16.63	40 CFR 60.33b(a)(1)(i) & PSD-FL-121C	III.A.12.
VE (opacity)	MSW	8760	10%, 6-minute average			N/A	N/A	40 CFR 60.33b(a)(1)(iii) & PSD-FL-121C	III.A.13.
Cd	MSW	8760	35 ug/dscm, corrected to 7% O_2			5.3×10^{-3}	0.023	40 CFR 60.33b(a)(2)(i)	III.A.14.
Hg**	MSW	8760	50 ug/dscm, corrected to 7% O_2 or 85% reduction by weight [1]			0.014	0.062	40 CFR 60.33b(a)(3) & PSD-FL-121C	III.A.15.
	BS [2]		Mercury emissions from MWC Units 1, 2, 3 and 4 combined shall not exceed 7.1 pounds per 24-hour period when combusting sewage sludge biosolids.	7.1				40 CFR 60.33b(a)(3) & Permit No. 0570261-016-AC/PSD-FL-121E and PSD-FL-369D	III.A.15.
Pb	MSW	8760	400 ug/dscm, corrected to 7% O_2			0.059	0.262	40 CFR 60.33b(a)(4) & PSD-FL-121C	III.A.16.
SO_2	MSW	8760	29 ppmvd, corrected to 7% O_2, 24-hour daily geometric mean or			32.86	143.9	40 CFR 60.33b(b)(3)(i) & PSD-FL-121C	III.A.17.
			80% reduction by weight or volume [1]					"	"
HCl	MSW	8760	25 ppmvd, corrected to 7% O_2 or			17.00	74.43	40 CFR 60.33b(b)(3)(ii) & PSD-FL-121C	III.A.18.
			95% reduction by weight or volume [1]					"	"
Dioxin/Furan	MSW	8760	30 ng/dscm, corrected to 7% O_2			4.5×10^{-6}	1.96×10^{-5}	40 CFR 60.33b(c)(1)(iii) & PSD-FL-121C	III.A.19.
NOx	MSW	8760	180 ppmvd, corrected to 7% O_2, 24-hour daily arithmetic average			58.63	256	40 CFR 60.33b(d) & PSD-FL-121C	III.A.20.
CO	MSW	8760	100 ppmvd, corrected to 7% O_2, 4-hour block average			17.4	76.26	40 CFR 60.34b(a) & PSD-FL-121C	III.A.21.
VE - fugitive ash emissions		8760	5% of the observation period (i.e., 9 minutes per 3-hour period)			N/A	N/A	40 CFR 60.36b	III.A.22.
O_2/CO_2	MSW	8760	N/A			N/A	N/A	40 CFR 60.38b	III.A.31.

** Mercury emissions from MWC Units 1, 2, 3 and 4 combined shall not exceed 7.1 pounds per 24-hour period when combusting sewage sludge biosolids.
[Permit No. 0570261-016-AC/PSD-FL-121E and PSD-FL-369D, Specific Condition 7.]

Notes:
"N/A" represents not applicable.
* The "Equivalent Emissions" listed are for informational purposes only. The "lbs./hour" equivalent emission values are based on a stack gas flow rate of 53,000 dscfm.
[1] Whichever is least stringent.
[2] Biosolids

Table 1, Summary of Air Pollutant Standards and Terms

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Hillsborough County Resource Recovery Facility — Facility ID No. 0570261

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E.U. ID No.	Brief Description
107	Municipal Waste Combustor Unit 4

Pollutant Name or Parameter	Fuel(s)	Hours/Year	Allowable Emissions Standard(s)	Allowable Emissions lbs./hour	Allowable Emissions TPY	Equivalent Emissions* lbs./hour	Equivalent Emissions* TPY	Regulatory Citation(s)	See permit condition(s)
PM/PM_{10}	MSW	8760	12.0 mg/dscm, corrected to 7% O_2	3.3			14.45	40 CFR 60.52b(a)(1)(ii) & PSD-FL-369	III.B.10.&17.
VE (opacity)	MSW	8760	10%, 6-minute average			N/A	N/A	40 CFR 60.52b(a)(2) & PSD-FL-369	III.B.10.&18.
Cd	MSW	8760	10 ug/dscm, corrected to 7% O_2					40 CFR 60.52b(a)(3)(ii) & PSD-FL-369	III.B.10.
Hg **	MSW	8760	28 ug/dscm, corrected to 7% O_2 or 85% reduction by weight [1]	0.022			0.1	40 CFR 60.52b(a)(5)(ii) & PSD-FL-369	III.B.10.
	BS [2]		Mercury emissions from MWC Units 1, 2, 3 and 4 combined shall not exceed 7.1 pounds per 24-hour period when combusting sewage sludge biosolids.	7.1				Rule 62-212.400(12) (Source Obligation, escape PSD BACT), F.A.C. & Permit No. 0570261-016-AC/PSD-FL-121E and PSD-FL-369D, Specific Condition 7	III.B.15.
Pb		8760	140 ug/dscm, corrected to 7% O_2					40 CFR 60.52b(a)(4)(ii) & PSD-FL-369	III.B.10.
SO_2	MSW	8760	26 ppmvd, corrected to 7% O_2 or	19.2			84.1	40 CFR 60.52b(b)(1) & PSD-FL-369	III.B.10.&13.
			80% reduction by weight or volume, 24-hour daily geometric mean [1]					40 CFR 60.52b(b)(1) & PSD-FL-151E	"
HCl	MSW	8760	25 ppmvd, corrected to 7% O_2 or	25.4			111.25	40 CFR 60.52b(b)(2) & PSD-FL-369	III.B.10.&14.
			95% reduction by weight or volume [1]					"	"
Dioxin/Furan	MSW	8760	13 ng/dscm, corrected to 7% O_2	3.61×10^{-6}			1.58×10^{-5}	40 CFR 60.52b(c)(1) & PSD-FL-369	III.B.10.&16.
NOx	MSW	8760	110 ppmvd, corrected to 7% O_2, 24-hour average	58.5				40 CFR 60.52b(d) & PSD-FL-369	III.B.10.&11.
			90 ppmvd, corrected to 7% O_2, 12-month rolling average	47.9			209.8	PSD-FL-369	"
CO	MSW	8760	100 ppmvd, corrected to 7% O_2, 4-hour block average	32.4				40 CFR 60.53b(a) & PSD-FL-369	III.B.10.&12.
			80 ppmvd, corrected to 7% O_2, 30-day rolling average	25.9			113.4	PSD-FL-369	"
ammonia slip	MSW	8760	@195 MMBtu/hr: 10 ppmvd; @260 MMBtu/hr: 15 ppmvd; corrected to 7% O_2					PSD-FL-151E	III.B.910.
VE - fugitive ash emissions		8760	5% of the observation period (i.e., 9 minutes per 3-hour period)			N/A	N/A	40 CFR 60.55b	III.B.10.
O_2/CO_2	MSW	8760	N/A			N/A	N/A	40 CFR 60.58b(b)	III.B.29.d.&30.

** Mercury emissions from MWC Units 1, 2, 3 and 4 combined shall not exceed 7.1 pounds per 24-hour period when combusting sewage sludge biosolids.
[Permit No. 0570261-016-AC/PSD-FL-121E and PSD-FL-369D, Specific Condition 7.]

Notes:

"N/A" represents not applicable.

* The "Equivalent Emissions" listed are for informational purposes only. The "lbs./hour" equivalent emission values are based on a stack gas flow rate of 73,061 dscfm.

[1] Whichever is least stringent.

[2] Biosolids

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This table summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.

E.U. ID No.	Brief Description
100	Ash Building and Handling System - Baghouse
112	Ash Building and Handling System - Wet Scrubber

Pollutant Name or Parameter	Fuel(s)	Hours/Year	Allowable Emissions Standard(s)	Allowable Emissions lbs./hour	Allowable Emissions TPY	Equivalent Emissions* lbs./hour	Equivalent Emissions* TPY	Regulatory Citation(s)	See permit condition(s)
100 PM				1.63			7.14	0570261-002-AC/PSD-FL-121C	III.C.4.
100 VE			5%					PSD-FL-121C & Rule 62-297.620(4), F.A	III.C.5.
112 PM				0.066			0.29	0570261-007-AC/PSD-FL-369	III.C.6.
112 VE			5%					PSD-FL-369 & Rule 62-297.620(4), F.A.	III.C.6.
VE (ash handling building)			5% of the observation period (i.e., 9 minutes per 3-hour period)					40 CFR 60.36b	III.C.8.

Notes:

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E.U. ID No.	Brief Description
101	Pebble Lime Storage Silo - MWC Units 1, 2 & 3
102	Activated Carbon Storage Silo - MWC Units 1, 2 & 3
108	Pebble Lime Storage Silo - MWC Unit 4
110	Activated Carbon Storage Silo - MWC Unit 4

Pollutant Name or Parameter	Fuel(s)	Hours/Year	Allowable Emissions Standard(s)	lbs./hour	TPY	Equivalent Emissions* lbs./hour	Equivalent Emissions* TPY	Regulatory Citation(s)	See permit condition(s)
101 PM		8,760	0.015 gr/dscf			0.96	4.22	0570261-002-AC/PSD-FL-121C	III.D.3.
101 VE			5%					PSD-FL-121C & Rule 62-297.620(4), F.A	III.D.4.
102 PM		8,760	0.015 gr/dscf			0.96	4.22	0570261-002-AC/PSD-FL-121C	III.D.3.
102 VE			5%					PSD-FL-121C & Rule 62-297.620(4), F.A	III.D.4.
108 PM		8,760	0.015 gr/dscf			2.11×10^{-6}	5.67×10^{-4}	0570261-007-AC/PSD-FL-369	III.D.3.
108 VE			5%					PSD-FL-369 & Rule 62-297.620(4), F.A.	III.D.4.
110 PM		8,760	0.015 gr/dscf			6.21×10^{-7}	1.62×10^{-4}	0570261-007-AC/PSD-FL-369	III.D.3.
110 VE			5%					PSD-FL-369 & Rule 62-297.620(4), F.A.	III.D.4.

Notes:

* The "Equivalent Emissions" listed are for informational purposes only.