

## **Appendix FEIR-2**

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Revised Technical Appendix for Air Quality and  
Greenhouse Gas Emissions

AIR QUALITY SUMMARY OF EMISSIONS (Construction) (Sunshine Landfill with Incorporation of AIR-MM-2)

REGIONAL (Mitigated)

Construction by Phase	PhaseStartDate	PhaseEndDate	NumDays	On-site												Off-site												Total											
				ROG	NO <sub>x</sub>	CO	SO <sub>2</sub>	PM <sub>10</sub> Fug	PM <sub>10</sub> Ex	M <sub>10</sub> Tot	PM <sub>2.5</sub> Fug	PM <sub>2.5</sub> Ex	M <sub>2.5</sub> Tot	ROG	NO <sub>x</sub>	CO	SO <sub>2</sub>	PM <sub>10</sub> Fug	PM <sub>10</sub> Ex	M <sub>10</sub> Tot	PM <sub>2.5</sub> Fug	PM <sub>2.5</sub> Ex	M <sub>2.5</sub> Tot	ROG	NO <sub>x</sub>	CO	SO <sub>2</sub>	PM <sub>10</sub> Fug	PM <sub>10</sub> Ex	M <sub>10</sub> Tot	PM <sub>2.5</sub> Fug	PM <sub>2.5</sub> Ex	M <sub>2.5</sub> Tot						
Demolition (Total)	2021/01/01	2021/04/24	83	3.2	29.3	27.6	0.0	0.7	1.5	2.3	0.1	1.4	1.6	1.2	25.6	9.2	0.1	2.7	0.1	2.8	0.7	0.1	0.8	4.3	54.9	36.8	0.1	3.4	1.6	5.0	0.8	1.5	2.4						
Grading (Bldg A, Parking Structure)	2021/04/25	2021/07/24	65	0.6	2.7	28.7	0.1	0.1	0.1	0.2	0.0	0.1	0.1	1.3	49.6	9.7	0.2	7.8	0.4	8.2	2.1	0.4	2.5	1.9	52.3	38.4	0.3	7.9	0.5	8.4	2.1	0.5	2.6						
Matt Foundation (Bldg A, Parking Structure)	2021/07/25	2021/08/07	10	1.0	5.8	56.4	0.1	0.0	0.1	0.1	0.0	0.1	0.1	1.6	49.5	10.4	0.2	6.7	0.5	7.1	1.8	0.4	2.2	2.5	55.2	66.7	0.3	6.7	0.6	7.3	1.8	0.5	2.3						
Grading (Subterranean Parking)	2021/08/08	2021/10/22	54	0.6	2.7	28.7	0.1	0.1	0.1	0.2	0.0	0.1	0.1	3.6	49.6	9.7	0.2	7.7	0.4	8.2	2.1	0.4	2.5	4.2	52.3	38.4	0.3	7.8	0.5	8.4	2.1	0.5	2.6						
Building Construction (Bldg A, Parking Structure)	2021/08/08	2024/04/07	695	0.4	5.0	21.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	7.9	21.0	0.1	6.5	0.1	6.5	1.7	0.1	1.8	3.1	12.9	42.5	0.1	6.5	0.1	6.6	1.7	0.1	1.8						
Overlap of Grading Below Grade Parking and Building Construction Bldg A & PS	2021/08/08	2021/10/22	54	1.0	7.7	50.2	0.1	0.1	0.1	0.2	0.0	0.1	0.1	6.2	57.5	30.7	0.3	14.1	0.5	14.7	3.8	0.4	4.3	7.3	65.2	81.0	0.4	14.2	0.6	15.0	3.8	0.6	4.4						
Matt Foundation (Subterranean Parking)	2021/10/23	2021/11/05	10	1.0	5.8	56.4	0.1	0.0	0.1	0.1	0.0	0.1	0.1	2.0	68.2	17.7	0.3	8.8	0.7	9.5	2.4	0.5	0.3	3.0	73.9	74.0	0.4	8.8	0.8	9.6	2.4	0.6	0.4						
Overlap of Matt Below Grade Parking and Building Construction Bldg A & PS	2021/10/23	2021/11/05	10	1.4	10.8	77.8	0.1	0.0	0.2	0.2	0.0	0.2	0.2	4.7	76.1	38.7	0.3	15.3	0.7	16.0	4.1	0.5	2.0	6.1	86.8	116.6	0.5	15.3	0.9	16.2	4.1	0.7	2.2						
Building Construction (Subterranean Parking)	2021/11/06	2022/11/04	260	0.4	4.7	17.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	7.9	21.0	0.1	6.5	0.1	6.5	1.7	0.1	1.8	3.0	12.6	38.5	0.1	6.5	0.1	6.6	1.7	0.1	1.8						
Overlap Building Construction Below Grade Parking and Bldg A & PS	2021/11/06	2022/11/04	260	0.8	9.7	38.9	0.1	0.0	0.1	0.1	0.0	0.1	0.1	5.3	15.8	42.1	0.1	12.9	0.1	13.0	3.4	0.1	3.6	6.1	25.5	81.0	0.2	12.9	0.2	13.1	3.4	0.2	3.6						
Architectural Coating	2024/01/01	2025/10/24	473	12.7	0.3	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.7	0.3	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0						
Grading (Bldgs B&C)	2024/04/01	2024/04/10	7	0.6	2.4	25.6	0.0	0.1	0.1	0.2	0.0	0.1	0.1	2.3	65.4	24.8	0.3	7.1	0.1	7.2	2.0	0.1	2.1	2.9	67.8	50.4	0.3	7.2	0.2	7.4	2.0	0.2	2.2						
Overlap Grading Bldgs B&C, Arch, BC Bldg A	2024/04/01	2024/04/10	7	13.6	7.8	52.0	0.1	0.1	0.1	0.2	0.0	0.1	0.1	5.0	73.3	45.8	0.4	13.6	0.2	13.8	3.7	0.2	3.9	18.6	81.1	97.9	0.4	13.7	0.3	14.0	3.7	0.3	4.0						
Matt Foundation (Bldgs B&C)	2024/04/11	2024/04/23	10	1.0	5.8	56.4	0.1	0.0	0.1	0.1	0.0	0.1	0.1	2.5	66.8	24.7	0.3	7.6	0.1	7.7	2.2	0.1	2.3	3.4	72.6	81.0	0.4	7.6	0.2	7.8	2.2	0.2	2.4						
Overlap Matt Foundation and Arch Coatings	2024/04/11	2024/04/23	10	13.6	6.1	61.2	0.1	0.0	0.1	0.1	0.0	0.1	0.1	2.5	66.8	24.7	0.3	7.6	0.1	7.7	2.2	0.1	2.3	16.1	72.9	85.9	0.4	7.6	0.2	7.9	2.2	0.2	2.4						
Building Construction (Bldg B&C)	2024/04/24	2025/10/24	392	0.4	4.9	19.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	7.8	17.1	0.1	12.0	0.1	12.0	3.1	0.0	3.1	2.6	12.7	36.8	0.1	12.0	0.1	12.1	3.1	0.1	3.2						
Overlap Building Construction B&C and Architectural Coatings	2024/04/24	2025/10/24	392	13.1	5.2	24.6	0.0	0.0	0.1	0.1	0.0	0.1	0.1	2.2	7.8	17.1	0.1	12.0	0.1	12.0	3.1	0.0	3.1	15.3	13.1	41.6	0.1	12.0	0.1	12.1	3.1	0.1	3.2						

Summary

Construction by Phase	PhaseStartDate	PhaseEndDate	NumDays	On-site												Off-site												Total											
				ROG	NO <sub>x</sub>	CO	SO <sub>2</sub>	PM <sub>10</sub> Fug	PM <sub>10</sub> Ex	M <sub>10</sub> Tot	PM <sub>2.5</sub> Fug	PM <sub>2.5</sub> Ex	M <sub>2.5</sub> Tot	ROG	NO <sub>x</sub>	CO	SO <sub>2</sub>	PM <sub>10</sub> Fug	PM <sub>10</sub> Ex	M <sub>10</sub> Tot	PM <sub>2.5</sub> Fug	PM <sub>2.5</sub> Ex	M <sub>2.5</sub> Tot	ROG	NO <sub>x</sub>	CO	SO <sub>2</sub>	PM <sub>10</sub> Fug	PM <sub>10</sub> Ex	M <sub>10</sub> Tot	PM <sub>2.5</sub> Fug	PM <sub>2.5</sub> Ex	M <sub>2.5</sub> Tot						
Demolition (Total)	2021/01/01	2021/04/24	83	3.2	29.3	27.6	0.0	0.7	1.5	2.3	0.1	1.4	1.6	1.2	25.6	9.2	0.1	2.7	0.1	2.8	0.7	0.1	0.8	4.3	54.9	36.8	0.1	3.4	1.6	5.0	0.8	1.5	2.4						
Grading (Bldg A, Parking Structure)	2021/04/25	2021/07/24	65	0.6	2.7	28.7	0.1	0.1	0.1	0.2	0.0	0.1	0.1	1.3	49.6	9.7	0.2	7.8	0.4	8.2	2.1	0.4	2.5	1.9	52.3	38.4	0.3	7.9	0.5	8.4	2.1	0.5	2.6						
Matt Foundation (Bldg A, Parking Structure)	2021/07/25	2021/08/07	10	1.0	5.8	56.4	0.1	0.0	0.1	0.1	0.0	0.1	0.1	1.6	49.5	10.4	0.2	6.7	0.5	7.1	1.8	0.4	2.2	2.5	55.2	66.7	0.3	6.7	0.6	7.3	1.8	0.5	2.3						
Overlap of Grading Below Grade Parking and Building Construction Bldg A & PS	2021/08/08	2021/10/22	54	1.0	7.7	50.2	0.1	0.1	0.1	0.2	0.0	0.1	0.1	6.2	57.5	30.7	0.3	14.1	0.5	14.7	3.8	0.4	4.3	7.3	65.2	81.0	0.4	14.2	0.6	15.0	3.8	0.6	4.4						
Matt Foundation (Subterranean Parking)	2021/10/23	2021/11/05	10	1.0	5.8	56.4	0.1	0.0	0.1	0.1	0.0	0.1	0.1	2.0	68.2	17.7	0.3	8.8	0.7	9.5	2.4	0.5	0.3	3.0	73.9	74.0	0.4	8.8	0.8	9.6	2.4	0.6	0.4						
Overlap of Matt Below Grade Parking and Building Construction Bldg A & PS	2021/10/23	2021/11/05	10	1.4	10.8	77.8	0.1	0.0	0.2	0.2	0.0	0.2	0.2	4.7	76.1	38.7	0.3	15.3	0.7	16.0	4.1	0.5	2.0	6.1	86.8	116.6	0.5	15.3	0.9	16.2	4.1	0.7	2.2						
Overlap Building Construction Below Grade Parking and Bldg A & PS	2021/11/06	2022/11/04	260	0.8	9.7	38.9	0.1	0.0	0.1	0.1	0.0	0.1	0.1	5.3	15.8	42.1	0.1	12.9	0.1	13.0	3.4	0.1	3.6	6.1	25.5	81.0	0.2	12.9	0.2	13.1	3.4	0.2	3.6						
Building Construction (Bldg A, Parking Structure)			364	0.4	5.0	21.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	7.9	21.0	0.1	6.5	0.1	6.5	1.7	0.1	1.8	3.1	12.9	42.5	0.1	6.5	0.1	6.6	1.7	0.1	1.8						
Overlap Grading Bldgs B&C, Arch, BC Bldg A	2024/04/01	2024/04/10	7	13.6	7.8	52.0	0.1	0.1	0.1	0.2	0.0	0.1	0.1	5.0	73.3	45.8	0.4	13.6	0.2	13.8	3.7	0.2	3.9	18.6	81.1	97.9	0.4	13.7	0.3	14.0	3.7	0.3	4.0						
Overlap Matt Foundation and Arch Coatings	2024/04/11	2024/04/23	10	13.6	6.1	61.2	0.1	0.0	0.1	0.1	0.0	0.1	0.1	2.5	66.8	24.7	0.3	7.6	0.1	7.7	2.2	0.1	2.3	16.1	72.9	85.9	0.4	7.6	0.2	7.9	2.2	0.2	2.4						
Overlap Building Construction B&C and Architectural Coatings	2024/04/24	2025/10/24	392	13.1	5.2	24.6	0.0	0.0	0.1	0.1	0.0	0.1	0.1	2.2	7.8	17.1	0.1	12.0	0.1	12.0	3.1	0.0	3.1	15.3	13.1	41.6	0.1	12.0	0.1	12.1	3.1	0.1	3.2						

AIR QUALITY SUMMARY OF EMISSIONS (Construction) (Chiquita Landfill with Incorporation of AIR-MM-2)

REGIONAL (Mitigated)

Construction by Phase	PhaseStartDate	PhaseEndDate	NumDays	On-site												Off-site												Total											
				ROG	NO <sub>x</sub>	CO	SO <sub>2</sub>	PM <sub>10</sub> Fug	PM <sub>10</sub> Ex	M <sub>10</sub> Tot	PM <sub>2.5</sub> Fug	PM <sub>2.5</sub> Ex	M <sub>2.5</sub> Tot	ROG	NO <sub>x</sub>	CO	SO <sub>2</sub>	PM <sub>10</sub> Fug	PM <sub>10</sub> Ex	M <sub>10</sub> Tot	PM <sub>2.5</sub> Fug	PM <sub>2.5</sub> Ex	M <sub>2.5</sub> Tot	ROG	NO <sub>x</sub>	CO	SO <sub>2</sub>	PM <sub>10</sub> Fug	PM <sub>10</sub> Ex	M <sub>10</sub> Tot	PM <sub>2.5</sub> Fug	PM <sub>2.5</sub> Ex	M <sub>2.5</sub> Tot						
Demolition (Total)	2021/01/01	2021/04/24	83	3.2	29.3	27.6	0.0	0.7	1.5	2.3	0.1	1.4	1.6	1.2	25.6	9.2	0.1	2.7	0.1	2.8	0.7	0.1	0.8	4.3	54.9	36.8	0.1	3.4	1.6	5.0	0.8	1.5	2.4						
Grading (Bldg A, Parking Structure)	2021/04/25	2021/07/24	65	0.6	2.7	28.7	0.1	0.1	0.1	0.2	0.0	0.1	0.1	1.6	65.7	11.1	0.3	7.8	0.6	8.3	2.1	0.5	2.6	2.2	68.4	39.9	0.4	7.9	0.7	8.5	2.1	0.6	2.7						
Matt Foundation (Bldg A, Parking Structure)	2021/07/25	2021/08/07	10	1.0	5.8	56.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.6	49.5	10.4	0.2	6.7	0.5	7.1	1.8	0.4	2.2	2.5	55.2	66.7	0.3	6.7	0.6	7.3	1.8	0.5	2.3						
Grading (Subterranean Parking)	2021/08/08	2021/10/22	54	0.6	2.7	28.7	0.1	0.1	0.1	0.2	0.0	0.1	0.1	3.6	65.7	11.1	0.3	7.7	0.6	8.3	2.1	0.5	2.6	4.2	68.4	39.9	0.4	7.8	0.7	8.5	2.1	0.6	2.7						
Building Construction (Bldg A, Parking Structure)	2021/08/08	2024/04/07	695	0.4	5.0	21.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	7.9	21.0	0.1	6.5	0.1	6.5	1.7	0.1	1.8	3.1	12.9	42.5	0.1	6.5	0.1	6.6	1.7	0.1	1.8						
Overlap of Grading Below Grade Parking and Building Construction Bldg A & PS	2021/08/08	2021/10/22	54	1.0	7.7	50.2	0.1	0.1	0.1	0.2	0.0	0.1	0.1	6.2	73.6	32.2	0.4	14.1	0.6	14.9	3.8	0.6	4.4	7.3	81.3	82.4	0.5	14.2	0.8	15.1	3.8	0.7	4.6						
Matt Foundation (Subterranean Parking)	2021/10/23	2021/11/05	10	1.0	5.8	56.4	0.1	0.0	0.1	0.1	0.0	0.1	0.1	2.0	68.2	17.7	0.3	8.8	0.7	9.5	2.4	0.5	0.3	3.0	73.9	74.0	0.4	8.8	0.8	9.6	2.4	0.6	0.4						
Overlap of Matt Below Grade Parking and Building Construction Bldg A & PS	2021/10/23	2021/11/05	10	1.4	10.8	77.8	0.1	0.0	0.2	0.2	0.0	0.2	0.2	4.7	76.1	38.7	0.3	15.3	0.7	16.0	4.1	0.5	2.0	6.1	86.8	116.6	0.5	15.3	0.9	16.2	4.1	0.7	2.2						
Building Construction (Subterranean Parking)	2021/11/06	2022/11/04	260	0.4	4.7	17.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	7.9	21.0	0.1	6.5	0.1	6.5	1.7	0.1	1.8	3.0	12.6	38.5	0.1	6.5	0.1	6.6	1.7	0.1	1.8						
Overlap Building Construction Below Grade Parking and Bldg A & PS	2021/11/06	2022/11/04	260	0.8	9.7	38.9	0.1	0.0	0.1	0.1	0.0	0.1	0.1	5.3	15.8	42.1	0.1	12.9	0.1	13.0	3.4	0.1	3.6	6.1	25.5	81.0	0.2	12.9	0.2	13.1	3.4	0.2	3.6						
Architectural Coating	2024/01/01	2025/10/24	473	12.7	0.3	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.7	0.3	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0						
Grading (Bldgs B&C)	2024/04/01	2024/04/10	7	0.6	2.4	25.6	0.0	0.1	0.1	0.2	0.0	0.1	0.1	2.3	59.0	24.8	0.3	7.1	0.1	7.2	2.0	0.1	2.1	2.9	61.4	50.4	0.3	7.2	0.2	7.4	2.0	0.2	2.2						
Overlap Grading Bldgs B&C, Arch, BC Bldg A	2024/04/01	2024/04/10	7	13.6	7.8	52.0	0.1	0.1	0.1	0.2	0.0	0.1	0.1	5.0	66.9	45.8	0.4	13.6	0.2	13.8	3.7	0.2	3.9	18.6	97.9	0.4	13.7	0.3	14.0	3.7	0.3	4.0							
Matt Foundation (Bldgs B&C)	2024/04/11	2024/04/23	10	1.0	5.8	56.4	0.1	0.0	0.1	0.1	0.0	0.1	0.1	2.5	66.8	24.7	0.3	7.6	0.1	7.7	2.2	0.1	2.3	3.4	72.6	81.0	0.4	7.6	0.2	7.8	2.2	0.2	2.4						
Overlap Matt Foundation and Arch Coatings	2024/04/11	2024/04/23	10	13.6	6.1	61.2	0.1	0.0	0.1	0.1	0.0	0.1	0.1	2.5	66.8	24.7	0.3	7.6	0.1	7.7	2.2	0.1	2.3	16.1	72.9	85.9	0.4	7.6	0.2	7.9	2.2	0.2	2.4						
Building Construction (Bldg B&C)	2024/04/24	2025/10/24	392	0.4	4.9	19.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	7.8	17.1	0.1	12.0	0.1	12.0	3.1	0.0	3.1	2.6	12.7	36.8	0.1	12.0	0.1	12.1	3.1	0.1	3.2						
Overlap Building Construction B&C and Architectural Coatings	2024/04/24	2025/10/24	392	13.1	5.2	24.6	0.0	0.0	0.1	0.1	0.0	0.1	0.1	2.2	7.8	17.1	0.1	12.0	0.1	12.0	3.1	0.0	3.1	15.3	13.1	41.6	0.1	12.0	0.1	12.1	3.1	0.1	3.2						

Summary

Construction by Phase	PhaseStartDate	PhaseEndDate	NumDays	On-site												Off-site												Total											
				ROG	NO <sub>x</sub>	CO	SO <sub>2</sub>	PM <sub>10</sub> Fug	PM <sub>10</sub> Ex	M <sub>10</sub> Tot	PM <sub>2.5</sub> Fug	PM <sub>2.5</sub> Ex	M <sub>2.5</sub> Tot	ROG	NO <sub>x</sub>	CO	SO <sub>2</sub>	PM <sub>10</sub> Fug	PM <sub>10</sub> Ex	M <sub>10</sub> Tot	PM <sub>2.5</sub> Fug	PM <sub>2.5</sub> Ex	M <sub>2.5</sub> Tot	ROG	NO <sub>x</sub>	CO	SO <sub>2</sub>	PM <sub>10</sub> Fug	PM <sub>10</sub> Ex	M <sub>10</sub> Tot	PM <sub>2.5</sub> Fug	PM <sub>2.5</sub> Ex	M <sub>2.5</sub> Tot						
Demolition (Total)	2021/01/01	2021/04/24	83	3.2	29.3	27.6	0.0	0.7	1.5	2.3	0.1	1.4	1.6	1.2	25.6	9.2	0.1	2.7	0.1	2.8	0.7	0.1	0.8	4.3	54.9	36.8	0.1	3.4	1.6	5.0	0.8	1.5	2.4						
Grading (Bldg A, Parking Structure)	2021/04/25	2021/07/24	65	0.6	2.7	28.7	0.1	0.1	0.1	0.2	0.0	0.1	0.1	1.6	65.7	11.1	0.3	7.8	0.6	8.3	2.1	0.5	2.6	2.2	68.4	39.9	0.4	7.9	0.7	8.5	2.1	0.6	2.7						
Matt Foundation (Bldg A, Parking Structure)	2021/07/25	2021/08/07	10	1.0	5.8	56.4	0.1	0.0	0.1	0.1	0.0	0.1	0.1	1.6	49.5	10.4	0.2	6.7	0.5	7.1	1.8	0.4	2.2	2.5	55.2	66.7	0.3	6.7	0.6	7.3	1.8	0.5	2.3						
Overlap of Grading Below Grade Parking and Building Construction Bldg A & PS	2021/08/08	2021/10/22	54	1.0	7.7	50.2	0.1	0.1	0.1	0.2	0.0	0.1	0.1	6.2	73.6	32.2	0.4	14.1	0.6	14.9	3.8	0.6	4.4	7.3	81.3	82.4	0.5	14.2	0.8	15.1	3.8	0.7	4.6						
Matt Foundation (Subterranean Parking)	2021/10/23	2021/11/05	10	1.0	5.8	56.4	0.1	0.0	0.1	0.1	0.0	0.1	0.1	2.0	68.2	17.7	0.3	8.8	0.7	9.5	2.4	0.5	0.3	3.0	73.9	74.0	0.4	8.8	0.8	9.6	2.4	0.6	0.4						
Overlap of Matt Below Grade Parking and Building Construction Bldg A & PS	2021/10/23	2021/11/05	10	1.4	10.8	77.8	0.1	0.0	0.2	0.2	0.0	0.2	0.2	4.7	76.1	38.7	0.3	15.3	0.7	16.0	4.1	0.5	2.0	6.1	86.8	116.6	0.5	15.3	0.9	16.2	4.1	0.7	2.2						
Overlap Building Construction Below Grade Parking and Bldg A & PS	2021/11/06	2022/11/04	260	0.8	9.7	38.9	0.1	0.0	0.1	0.1	0.0	0.1	0.1	5.3	15.8	42.1	0.1	12.9	0.1	13.0	3.4	0.1	3.6	6.1	25.5	81.0	0.2	12.9	0.2	13.1	3.4	0.2	3.6						
Building Construction (Bldg A, Parking Structure)			364	0.4	5.0	21.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	7.9	21.0	0.1	6.5	0.1	6.5	1.7	0.1	1.8	3.1	12.9	42.5	0.1	6.5	0.1	6.6	1.7	0.1	1.8						
Overlap Grading Bldgs B&C, Arch, BC Bldg A	2024/04/01	2024/04/10	7	13.6	7.8	52.0	0.1	0.1	0.1	0.2	0.0	0.1	0.1	5.0	66.9	45.8	0.4	13.6	0.2	13.8	3.7	0.2	3.9	18.6	97.9	0.4	13.7	0.3	14.0	3.7	0.3	4.0							
Overlap Matt Foundation and Arch Coatings	2024/04/11	2024/04/23	10	13.6	6.1	61.2	0.1	0.0	0.1	0.1	0.0	0.1	0.1	2.5	66.8	24.7	0.3	7.6	0.1	7.7	2.2	0.1	2.3	16.1	72.9	85.9	0.4	7.6	0.2	7.9	2.2	0.2	2.4						
Overlap Building Construction B&C and Architectural Coatings	2024/04/24	2025/10/24	392	13.1	5.2	24.6	0.0	0.0	0.1	0.1	0.0	0.1	0.1	2.2	7.8	17.1	0.1	12.0	0.1	12.0	3.1	0.0	3.1	15.3	13.1	41.6	0.1	12.0	0.1	12.1	3.1	0.1	3.2						





## Sunset Gower

Heavy Duty Diesel Truck Emissions Calculations Project (Grading (Bldg A, Parking Structure); (Subteranean PS)  
 Heavy Duty Diesel Truck Emissions Calculations Alternative 2 (Grading (Basecamp, Bldg D, Bldg E); (Bldg A); (Bldg B)  
 Construction Year **2022**  
 Truck Model Year **2010**

### Run Emissions

Trips per Day (One-Way)	314
Trip Length (mi.)	34
Daily VMT	10676

	TOG_RUNEX	CO_RUNEX	NOx_RUNEX	PM10_RUNEX	PM2_5_RUNEX	SOx_RUNEX
Run Emission Factors (g/mi) <sup>1</sup>	0.041	0.232	2.603	0.022	0.021	0.013
Run Emissions (lbs/day)	0.97	5.47	61.26	0.52	0.49	0.30
On-site Emissions (lbs/day)	0.01	0.04	0.45	0.00	0.00	0.00

### Idle Emissions

Loads per Day	157
Idle Time Per Truck (min.)	15
Daily Idle Time (hrs)	39.25

	TOG	CO	NOx	PM10	PM2_5	SOx
Idle Emission Factors (g/hr) <sup>2</sup>	2.70	32.10	32.49	0.02	0.02	0.06
Idle Emissions (lbs/day)	0.23	2.78	2.81	0.00	0.00	0.00

### Start Emissions

Trucks per Day	39.25
Cold Starts per Day	1
Warm Starts per Day	5

	TOG	CO	NOx	PM10	PM2_5	SOx
Cold Start Emission Factors (g/start) <sup>2</sup>	0	0	14.93	0	0	0
Warm Start Emission Factors (g/start) <sup>2</sup>	0	0	0.55	0	0	0
Start Emissions (lbs/day)	0.000	0.000	1.530	0.000	0.000	0.000

### Brake and Tire Wear

	PM10_TW	PM10_BW	PM2.5_TW	PM2.5_BW
Brake and Tire Wear Emission Factors (g/mi) <sup>1</sup>	0.035	0.061	0.009	0.026
Run Emissions (lbs/day)	0.83	1.43	0.21	0.61
On-site Emissions (lbs/day)	0.00	0.00	0.00	0.00

### Reentrained Road Dust

	PM10	PM2.5
Reentrained Dust Emission Factors (g/mi) <sup>3</sup>	0.294	0.073
Run Emissions (lbs/day)	6.91	1.73

	TOG	CO	NOx	PM10	PM2_5	SOx
On-site Emissions (lbs/day)	0.05	0.01				
<b>Total Emissions (Run + Idle + Start)</b>	<b>1.20</b>	<b>8.25</b>	<b>65.60</b>	<b>0.58</b>	<b>0.51</b>	<b>0.31</b>
On-site Emissions (Run 0.25 mi + Idle)	0.24	2.82	3.26	0.06	0.02	0.01

<sup>1</sup> EMFAC2017 Web Database - Los Angeles County, EMFAC2007 Categories, HHDT

<sup>2</sup> EMFAC2017 Project Level (PL) v. 1.0.2 - Los Angeles County, EMFAC2007 Categories, HHDT

## Sunset Gower

Heavy Duty Diesel Truck Emissions Calculations Project (Grading (Bldg A, Parking Structure); (Subteranean PS)

Heavy Duty Diesel Truck Emissions Calculations Alternative 2 (Grading (Basecamp, Bldg D, Bldg E); (Bldg A); (Bldg B)

Construction Year 2022

Truck Model Year 2010

### Run Emissions

Trips per Day (One-Way)	314
Trip Length (mi.)	25
Daily VMT	7850

	TOG_RUNEX	CO_RUNEX	NOx_RUNEX	PM10_RUNEX	PM2_5_RUNEX	SOx_RUNEX
Run Emission Factors (g/mi) <sup>1</sup>	0.041	0.232	2.603	0.022	0.021	0.013
Run Emissions (lbs/day)	0.71	4.02	45.05	0.38	0.36	0.22
On-site Emissions (lbs/day)	0.01	0.04	0.45	0.00	0.00	0.00

### Idle Emissions

Loads per Day	157
Idle Time Per Truck (min.)	15
Daily Idle Time (hrs)	39.25

	TOG	CO	NOx	PM10	PM2_5	SOx
Idle Emission Factors (g/hr) <sup>2</sup>	2.70	32.10	32.49	0.02	0.02	0.06
Idle Emissions (lbs/day)	0.23	2.78	2.81	0.00	0.00	0.00

### Start Emissions

Trucks per Day	39.25
Cold Starts per Day	1
Warm Starts per Day	5

	TOG	CO	NOx	PM10	PM2_5	SOx
Cold Start Emission Factors (g/start) <sup>2</sup>	0	0	14.93	0	0	0
Warm Start Emission Factors (g/start) <sup>2</sup>	0	0	0.55	0	0	0
Start Emissions (lbs/day)	0.000	0.000	1.530	0.000	0.000	0.000

### Brake and Tire Wear

	PM10_TW	PM10_BW	PM2.5_TW	PM2.5_BW
Brake and Tire Wear Emission Factors (g/mi) <sup>1</sup>	0.035	0.061	0.009	0.026
Run Emissions (lbs/day)	0.61	1.05	0.15	0.45
On-site Emissions (lbs/day)	0.00	0.00	0.00	0.00

### Reentrained Road Dust

	PM10	PM2.5
Reentrained Dust Emission Factors (g/mi) <sup>3</sup>	0.294	0.073
Run Emissions (lbs/day)	5.08	1.27

	TOG	CO	NOx	PM10	PM2_5	SOx
On-site Emissions (lbs/day)	0.05	0.01				
<b>Total Emissions (Run + Idle + Start)</b>	<b>0.94</b>	<b>6.80</b>	<b>49.39</b>	<b>0.44</b>	<b>0.38</b>	<b>0.23</b>
On-site Emissions (Run 0.25 mi + Idle)	0.24	2.82	3.26	0.06	0.02	0.01

<sup>1</sup> EMFAC2017 Web Database - Los Angeles County, EMFAC2007 Categories, HHDT

<sup>2</sup> EMFAC2017 Project Level (PL) v. 1.0.2 - Los Angeles County, EMFAC2007 Categories, HHDT

## Sunset Gower

### Heavy Duty Diesel Truck Emissions Calculations Project (Mat Foundation (Subterranean Parking Structure))

Construction Year **2022**

Truck Model Year **2010**

#### Run Emissions

Trips per Day (one-way)	1148					
Trip Length (mi.)	7.9					
Daily VMT	9069.2					
	TOG_RUNEX	CO_RUNEX	NOx_RUNEX	PM10_RUNEX	PM2_5_RUNEX	SOx_RUNEX
Run Emission Factors (g/mi) <sup>1</sup>	0.041	0.232	2.603	0.022	0.021	0.013
Run Emissions (lbs/day)	0.82	4.65	52.04	0.44	0.42	0.26
On-site Emissions (lbs/day)	0.03	0.15	1.65	0.01	0.01	0.01

#### Idle Emissions

Loads per Day	574					
Idle Time Per Truck (min.)	15					
Daily Idle Time (hrs)	143.50					
	TOG	CO	NOx	PM10	PM2_5	SOx
Idle Emission Factors (g/hr) <sup>2</sup>	2.70	32.10	32.49	0.02	0.02	0.06
Idle Emissions (lbs/day)	0.85	10.16	10.28	0.01	0.01	0.02

#### Start Emissions

Trucks per Day	143.5					
Cold Starts per Day	1					
Warm Starts per Day	5					
	TOG	CO	NOx	PM10	PM2_5	SOx
Cold Start Emission Factors (g/start) <sup>2</sup>	0	0	14.93	0	0	0
Warm Start Emission Factors (g/start) <sup>2</sup>	0	0	0.55	0	0	0
Start Emissions (lbs/day)	0.000	0.000	5.595	0.000	0.000	0.000

#### Brake and Tire Wear

	PM10_TW	PM10_BW	PM2.5_TW	PM2.5_BW		
Brake and Tire Wear Emission Factors (g/mi) <sup>1</sup>	0.035	0.061	0.009	0.026		
Run Emissions (lbs/day)	0.71	1.22	0.18	0.52		
On-site Emissions (lbs/day)	0.01	0.02	0.00	0.01		

#### Reentrained Road Dust

	PM10	PM2.5				
Reentrained Dust Emission Factors (g/mi) <sup>3</sup>	0.294	0.073				
Run Emissions (lbs/day)	5.87	1.47				
On-site Emissions (lbs/day)	0.19	0.05				
	TOG	CO	NOx	PM10	PM2_5	SOx
<b>Total Emissions (Run + Idle + Start)</b>	<b>1.67</b>	<b>14.80</b>	<b>67.92</b>	<b>0.66</b>	<b>0.48</b>	<b>0.27</b>
On-site Emissions (Run 0.25 mi + Idle)	0.88	10.30	11.93	0.23	0.07	0.03

<sup>1</sup> EMFAC2017 Web Database - Los Angeles County, EMFAC2007 Categories, HHDT

<sup>2</sup> EMFAC2017 Project Level (PL) v. 1.0.2 - Los Angeles County, EMFAC2007 Categories, HHDT



## Sunset Gower

### Heavy Duty Diesel Truck Emissions Calculations Project (Mat Foundation (Basecamp, Bldg D, Bldg E))

Construction Year **2022**  
Truck Model Year **2010**

#### Run Emissions

Trips per Day (one-way)	828					
Trip Length (mi.)	7.9					
Daily VMT	6541.2					
	TOG_RUNEX	CO_RUNEX	NOx_RUNEX	PM10_RUNEX	PM2_5_RUNEX	SOx_RUNEX
Run Emission Factors (g/mi) <sup>1</sup>	0.041	0.232	2.603	0.022	0.021	0.013
Run Emissions (lbs/day)	0.59	3.35	37.53	0.32	0.30	0.19
On-site Emissions (lbs/day)	0.02	0.11	1.19	0.01	0.01	0.01

#### Idle Emissions

Loads per Day	414					
Idle Time Per Truck (min.)	15					
Daily Idle Time (hrs)	103.50					
	TOG	CO	NOx	PM10	PM2_5	SOx
Idle Emission Factors (g/hr) <sup>2</sup>	2.70	32.10	32.49	0.02	0.02	0.06
Idle Emissions (lbs/day)	0.62	7.32	7.41	0.00	0.00	0.01

#### Start Emissions

Trucks per Day	103.5					
Cold Starts per Day	1					
Warm Starts per Day	5					
	TOG	CO	NOx	PM10	PM2_5	SOx
Cold Start Emission Factors (g/start) <sup>2</sup>	0	0	14.93	0	0	0
Warm Start Emission Factors (g/start) <sup>2</sup>	0	0	0.55	0	0	0
Start Emissions (lbs/day)	0.000	0.000	4.035	0.000	0.000	0.000

#### Brake and Tire Wear

	PM10_TW	PM10_BW	PM2.5_TW	PM2.5_BW		
Brake and Tire Wear Emission Factors (g/mi) <sup>1</sup>	0.035	0.061	0.009	0.026		
Run Emissions (lbs/day)	0.51	0.88	0.13	0.38		
On-site Emissions (lbs/day)	0.01	0.01	0.00	0.00		

#### Reentrained Road Dust

	PM10	PM2.5				
Reentrained Dust Emission Factors (g/mi) <sup>3</sup>	0.294	0.073				
Run Emissions (lbs/day)	4.24	1.06				
On-site Emissions (lbs/day)	0.13	0.03				
	TOG	CO	NOx	PM10	PM2_5	SOx
<b>Total Emissions (Run + Idle + Start)</b>	<b>1.21</b>	<b>10.68</b>	<b>48.98</b>	<b>0.47</b>	<b>0.35</b>	<b>0.20</b>
On-site Emissions (Run 0.25 mi + Idle)	0.63	7.43	8.60	0.17	0.05	0.02

<sup>1</sup> EMFAC2017 Web Database - Los Angeles County, EMFAC2007 Categories, HHDT

<sup>2</sup> EMFAC2017 Project Level (PL) v. 1.0.2 - Los Angeles County, EMFAC2007 Categories, HHDT

## Sunset Gower

### Heavy Duty Diesel Truck Emissions Calculations Project (Mat Foundation (Bldg A))

Construction Year **2022**  
Truck Model Year **2010**

#### Run Emissions

Trips per Day (one-way)	1028					
Trip Length (mi.)	7.9					
Daily VMT	8121.2					
	TOG_RUNEX	CO_RUNEX	NOx_RUNEX	PM10_RUNEX	PM2_5_RUNEX	SOx_RUNEX
Run Emission Factors (g/mi) <sup>1</sup>	0.041	0.232	2.603	0.022	0.021	0.013
Run Emissions (lbs/day)	0.74	4.16	46.60	0.39	0.38	0.23
On-site Emissions (lbs/day)	0.02	0.13	1.47	0.01	0.01	0.01

#### Idle Emissions

Loads per Day	514					
Idle Time Per Truck (min.)	15					
Daily Idle Time (hrs)	128.50					
	TOG	CO	NOx	PM10	PM2_5	SOx
Idle Emission Factors (g/hr) <sup>2</sup>	2.70	32.10	32.49	0.02	0.02	0.06
Idle Emissions (lbs/day)	0.76	9.09	9.21	0.01	0.00	0.02

#### Start Emissions

Trucks per Day	128.5					
Cold Starts per Day	1					
Warm Starts per Day	5					
	TOG	CO	NOx	PM10	PM2_5	SOx
Cold Start Emission Factors (g/start) <sup>2</sup>	0	0	14.93	0	0	0
Warm Start Emission Factors (g/start) <sup>2</sup>	0	0	0.55	0	0	0
Start Emissions (lbs/day)	0.000	0.000	5.010	0.000	0.000	0.000

#### Brake and Tire Wear

	PM10_TW	PM10_BW	PM2.5_TW	PM2.5_BW		
Brake and Tire Wear Emission Factors (g/mi) <sup>1</sup>	0.035	0.061	0.009	0.026		
Run Emissions (lbs/day)	0.63	1.09	0.16	0.47		
On-site Emissions (lbs/day)	0.01	0.01	0.00	0.01		

#### Reentrained Road Dust

	PM10	PM2.5				
Reentrained Dust Emission Factors (g/mi) <sup>3</sup>	0.294	0.073				
Run Emissions (lbs/day)	5.26	1.31				
On-site Emissions (lbs/day)	0.17	0.04				
	TOG	CO	NOx	PM10	PM2_5	SOx
<b>Total Emissions (Run + Idle + Start)</b>	<b>1.50</b>	<b>13.26</b>	<b>60.82</b>	<b>0.59</b>	<b>0.43</b>	<b>0.25</b>
On-site Emissions (Run 0.25 mi + Idle)	0.79	9.23	10.68	0.21	0.07	0.02

<sup>1</sup> EMFAC2017 Web Database - Los Angeles County, EMFAC2007 Categories, HHDT

<sup>2</sup> EMFAC2017 Project Level (PL) v. 1.0.2 - Los Angeles County, EMFAC2007 Categories, HHDT

## Sunset Gower

### Heavy Duty Diesel Truck Emissions Calculations Project (Mat Foundation (Bldg B))

Construction Year **2022**

Truck Model Year **2010**

#### Run Emissions

Trips per Day (one-way)	880					
Trip Length (mi.)	7.9					
Daily VMT	6952					
	TOG_RUNEX	CO_RUNEX	NOx_RUNEX	PM10_RUNEX	PM2_5_RUNEX	SOx_RUNEX
Run Emission Factors (g/mi) <sup>1</sup>	0.041	0.232	2.603	0.022	0.021	0.013
Run Emissions (lbs/day)	0.63	3.56	39.89	0.34	0.32	0.20
On-site Emissions (lbs/day)	0.02	0.11	1.26	0.01	0.01	0.01

#### Idle Emissions

Loads per Day	440					
Idle Time Per Truck (min.)	15					
Daily Idle Time (hrs)	110.00					
	TOG	CO	NOx	PM10	PM2_5	SOx
Idle Emission Factors (g/hr) <sup>2</sup>	2.70	32.10	32.49	0.02	0.02	0.06
Idle Emissions (lbs/day)	0.65	7.78	7.88	0.00	0.00	0.01

#### Start Emissions

Trucks per Day	110					
Cold Starts per Day	1					
Warm Starts per Day	5					
	TOG	CO	NOx	PM10	PM2_5	SOx
Cold Start Emission Factors (g/start) <sup>2</sup>	0	0	14.93	0	0	0
Warm Start Emission Factors (g/start) <sup>2</sup>	0	0	0.55	0	0	0
Start Emissions (lbs/day)	0.000	0.000	4.289	0.000	0.000	0.000

#### Brake and Tire Wear

	PM10_TW	PM10_BW	PM2.5_TW	PM2.5_BW		
Brake and Tire Wear Emission Factors (g/mi) <sup>1</sup>	0.035	0.061	0.009	0.026		
Run Emissions (lbs/day)	0.54	0.93	0.14	0.40		
On-site Emissions (lbs/day)	0.01	0.01	0.00	0.01		

#### Reentrained Road Dust

	PM10	PM2.5				
Reentrained Dust Emission Factors (g/mi) <sup>3</sup>	0.294	0.073				
Run Emissions (lbs/day)	4.50	1.13				
On-site Emissions (lbs/day)	0.14	0.04				
	TOG	CO	NOx	PM10	PM2_5	SOx
<b>Total Emissions (Run + Idle + Start)</b>	<b>1.28</b>	<b>11.35</b>	<b>52.06</b>	<b>0.50</b>	<b>0.37</b>	<b>0.21</b>

On-site Emissions (Run 0.25 mi + Idle)	0.67	7.90	9.14	0.18	0.06	0.02
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<sup>1</sup> EMFAC2017 Web Database - Los Angeles County, EMFAC2007 Categories, HHDT

<sup>2</sup> EMFAC2017 Project Level (PL) v. 1.0.2 - Los Angeles County, EMFAC2007 Categories, HHDT















**EMFAC2017 - Project Level (PL) Output**  
Los Angeles County - South Coast

Construction Year	2022	Idle Emissions (g/hr)	TOG	CO	NOx	PM10	PM2_5	SOx
		Cold Start (g/start)	2.7	32.1	32.5	0.0	0.0	0.1
		Warm Start (g/start)			14.9			
					0.5			

Cold Start = 720 minute cool down  
Warm Start = 5 minute cool down

**Idle Emission Rates (g/hr)**

calendar_year	season	mc_sub_area	vehicle_class	fuel	temperature	relative_humidity	process	speed	time	pollutant	emission_rate
2021	Annual	Los Angeles	HHDT	Dsl			IDLEX			HC	1.89
2021	Annual	Los Angeles	HHDT	Dsl			IDLEX			CO	31.63
2021	Annual	Los Angeles	HHDT	Dsl			IDLEX			NOx	33.85
2021	Annual	Los Angeles	HHDT	Dsl			IDLEX			SOx	0.06
2021	Annual	Los Angeles	HHDT	Dsl			IDLEX			PM	0.03
2021	Annual	Los Angeles	HHDT	Dsl			IDLEX			TOG	2.73
2021	Annual	Los Angeles	HHDT	Dsl			IDLEX			ROG	2.40
2021	Annual	Los Angeles	HHDT	Dsl			IDLEX			CO2	6082.70
2021	Annual	Los Angeles	HHDT	Dsl			IDLEX			CH4	0.11
2021	Annual	Los Angeles	HHDT	Dsl			IDLEX			PM10	0.03
2021	Annual	Los Angeles	HHDT	Dsl			IDLEX			PM2_5	0.02
2022	Annual	Los Angeles	HHDT	Dsl			IDLEX			HC	1.87
2022	Annual	Los Angeles	HHDT	Dsl			IDLEX			CO	32.10
2022	Annual	Los Angeles	HHDT	Dsl			IDLEX			NOx	32.49
2022	Annual	Los Angeles	HHDT	Dsl			IDLEX			SOx	0.06
2022	Annual	Los Angeles	HHDT	Dsl			IDLEX			PM	0.02
2022	Annual	Los Angeles	HHDT	Dsl			IDLEX			TOG	2.70
2022	Annual	Los Angeles	HHDT	Dsl			IDLEX			ROG	2.37
2022	Annual	Los Angeles	HHDT	Dsl			IDLEX			CO2	5976.70
2022	Annual	Los Angeles	HHDT	Dsl			IDLEX			CH4	0.11
2022	Annual	Los Angeles	HHDT	Dsl			IDLEX			PM10	0.02
2022	Annual	Los Angeles	HHDT	Dsl			IDLEX			PM2_5	0.02
2023	Annual	Los Angeles	HHDT	Dsl			IDLEX			HC	1.86
2023	Annual	Los Angeles	HHDT	Dsl			IDLEX			CO	34.47
2023	Annual	Los Angeles	HHDT	Dsl			IDLEX			NOx	29.39
2023	Annual	Los Angeles	HHDT	Dsl			IDLEX			SOx	0.05
2023	Annual	Los Angeles	HHDT	Dsl			IDLEX			PM	0.02
2023	Annual	Los Angeles	HHDT	Dsl			IDLEX			TOG	2.69
2023	Annual	Los Angeles	HHDT	Dsl			IDLEX			ROG	2.36
2023	Annual	Los Angeles	HHDT	Dsl			IDLEX			CO2	5710.79
2023	Annual	Los Angeles	HHDT	Dsl			IDLEX			CH4	0.11
2023	Annual	Los Angeles	HHDT	Dsl			IDLEX			PM10	0.02
2023	Annual	Los Angeles	HHDT	Dsl			IDLEX			PM2_5	0.01
2024	Annual	Los Angeles	HHDT	Dsl			IDLEX			HC	1.87
2024	Annual	Los Angeles	HHDT	Dsl			IDLEX			CO	34.52
2024	Annual	Los Angeles	HHDT	Dsl			IDLEX			NOx	29.25
2024	Annual	Los Angeles	HHDT	Dsl			IDLEX			SOx	0.05
2024	Annual	Los Angeles	HHDT	Dsl			IDLEX			PM	0.02
2024	Annual	Los Angeles	HHDT	Dsl			IDLEX			TOG	2.69
2024	Annual	Los Angeles	HHDT	Dsl			IDLEX			ROG	2.36
2024	Annual	Los Angeles	HHDT	Dsl			IDLEX			CO2	5643.15
2024	Annual	Los Angeles	HHDT	Dsl			IDLEX			CH4	0.11
2024	Annual	Los Angeles	HHDT	Dsl			IDLEX			PM10	0.02
2024	Annual	Los Angeles	HHDT	Dsl			IDLEX			PM2_5	0.01
2025	Annual	Los Angeles	HHDT	Dsl			IDLEX			HC	1.87
2025	Annual	Los Angeles	HHDT	Dsl			IDLEX			CO	34.56
2025	Annual	Los Angeles	HHDT	Dsl			IDLEX			NOx	29.13
2025	Annual	Los Angeles	HHDT	Dsl			IDLEX			SOx	0.05
2025	Annual	Los Angeles	HHDT	Dsl			IDLEX			PM	0.01
2025	Annual	Los Angeles	HHDT	Dsl			IDLEX			TOG	2.69
2025	Annual	Los Angeles	HHDT	Dsl			IDLEX			ROG	2.36
2025	Annual	Los Angeles	HHDT	Dsl			IDLEX			CO2	5562.75
2025	Annual	Los Angeles	HHDT	Dsl			IDLEX			CH4	0.11
2025	Annual	Los Angeles	HHDT	Dsl			IDLEX			PM10	0.01
2025	Annual	Los Angeles	HHDT	Dsl			IDLEX			PM2_5	0.01

**Notes:**  
Outputs are from EMFAC Project Level (PL) for South Coast Basin (LA County Sub area)

**Idle**  
EMFAC Project Level (PL) does not provide idle emission rates by model year. No easy way to calculate idle emissions for 2010 and newer trucks. Assuming fleet average based on calendar year

**Start Emissions**  
EMFAC2014 and 2017 only provide start emissions for NOx. Other pollutants are currently set to 0. Possibly use CalEEMod start emission

**Start Emission Rates (g/start)**

calendar_year	season	mc_sub_area	vehicle_class	fuel	temperature	relative_humidity	process	speed	time	pollutant	emission_rate
2021	Annual	Los Angeles	HHDT	Dsl			STREX	5		NOx	0.50
2021	Annual	Los Angeles	HHDT	Dsl			STREX	720		NOx	13.61
2022	Annual	Los Angeles	HHDT	Dsl			STREX	5		NOx	0.55
2022	Annual	Los Angeles	HHDT	Dsl			STREX	720		NOx	14.93
2023	Annual	Los Angeles	HHDT	Dsl			STREX	5		NOx	0.63
2023	Annual	Los Angeles	HHDT	Dsl			STREX	720		NOx	17.19
2024	Annual	Los Angeles	HHDT	Dsl			STREX	5		NOx	0.64
2024	Annual	Los Angeles	HHDT	Dsl			STREX	720		NOx	17.25
2025	Annual	Los Angeles	HHDT	Dsl			STREX	5		NOx	0.64
2025	Annual	Los Angeles	HHDT	Dsl			STREX	720		NOx	17.29

## Sunset Gower

### Paved Road Dust Emission Factors

#### AP-42 Emission Factor Equation

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$$[k(sL)^{0.91} \times (W)^{1.02}] \times (1 - P/4N)$$

Parameter	Value	Units
particle size multiplier (k)	1	
road surface silt loading (sL)	0.1	
average weight (W)	2.4 tons	
number of "wet" days (P)	33 days	
number of days in averaging period (N)	365 days	

Emission Factor **0.294** g/mi

#### PM2.5

Parameter	Value	Units
particle size multiplier (k)	0.25	
road surface silt loading (sL)	0.1	
average weight (W)	2.4 tons	
number of "wet" days (P)	33 days	
number of days in averaging period (N)	365 days	

Emission Factor **0.073** g/mi

## Sunset Gower

### Paved Road Dust Emission Factors

#### AP-42 Emission Factor Equation

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$$[k(sL)^{0.91} \times (W)^{1.02}] \times (1 - P/4N)$$

Parameter	Value	Units
particle size multiplier (k)	1	
road surface silt loading (sL)	0.1	
average weight (W)	2.4 tons	
number of "wet" days (P)	33 days	
number of days in averaging period (N)	365 days	

Emission Factor **0.294 g/mi**

#### PM2.5

Parameter	Value	Units
particle size multiplier (k)	0.25	
road surface silt loading (sL)	0.1	
average weight (W)	2.4 tons	
number of "wet" days (P)	33 days	
number of days in averaging period (N)	365 days	

Emission Factor **0.073 g/mi**