APPENDIX A: AIR QUALITY

A.1 Construction Emission Inventory

The U.S. Environmental Protection Agency (USEPA) sets National Ambient Air Quality Standards (NAAQS) to protect public health and the environment. The USEPA identifies the following seven criteria air pollutants for which NAAQS are applicable: Carbon Monoxide (CO), Lead (Pb), Nitrogen Dioxide (NO_2), Ozone (O_3), Particulate Matter (PM_{10} and $PM_{2.5}$), and Sulfur Dioxide (SO_2). The USEPA describes these pollutants as "criteria" air pollutants because the agency regulates them by developing human health-based and/or environmentally-based criteria (science-based guidelines) for setting permissible levels (EPA, 2025).

According to the USEPA, Horry County is classified as “attainment” for all criteria pollutants (EPA, 2024). All construction activity would occur in the EA’s direct study area, which is also an “attainment” area for all NAAQS (EPA, 2024).[1]

This construction emission inventory (CEI) assessment was prepared for informational purposes to disclose the Proposed Project’s potential construction-related air emissions. Construction of the Proposed Project is anticipated to occur in 2026 and 2027.

Construction of the Proposed Project is anticipated to begin in 2026. The construction of the temporary runway and supporting infrastructure would take approximately 19 months to complete. Rehabilitation of Runway 18-36 would take approximately 4 months to complete. The CEI uses 2026 and 2027 as the study years for analysis because 2026-2027 is the projected construction timeframe for the Proposed Project.

A.1.1 Construction Emissions Inventory Approach

Construction requirements for the Proposed Project include a variety of construction emissions sources: non-road, on-road, and fugitive dust. The emissions from these sources are most commonly associated with the following types of activities: earthwork, grading and leveling, and construction equipment storage and movement.

Off-road Emission Sources

Non-road sources associated with the Proposed Project's construction include exhaust from heavy construction equipment (e.g., rollers) and fugitive dust emissions.

On-road Emission Sources

On-road emission sources associated with the Proposed Project's construction include material delivery vehicles (e.g., cement trucks) and passenger vehicles transporting construction personnel to and from the job site.

Fugitive Emissions

Paving or dust emission sources associated with the Proposed Project's construction include material movement on paved and unpaved roads, soil handling, un-stabilized land, and wind erosion. Paving or dust emissions were based on the number of months for construction.

[1] NAAQS are six criteria pollutants: carbon monoxide, lead, ozone, sulfur dioxide, nitrogen dioxide, and ozone.

Construction emissions are estimated based on these factors: construction schedule; the number of construction vehicles and/or equipment; the types of construction vehicles and/or equipment; types of fuel used to power the equipment and vehicles; vehicle and equipment hourly activity/vehicle miles traveled; construction materials used and their quantities; and the duration of construction.

A.1.2 MOVES4.0

The CEI used the EPA's MOtor Vehicle Emissions Simulator 4 (MOVES4.0) to analyze the Proposed Project's potential construction emissions.

A.1.2.1 Construction Emissions Inventory Inputs

The Proposed Project's construction components are shown in ***Table A-1***. The Proposed Project's cost estimates and typical construction practices were used to develop the CEI inputs displayed in ***Table A-2***, and ***Table A-3***. On-Road CEI inputs are displayed in ***Table A-4,*** and ***Table A-5***. CEI inputs were coordinated with construction management engineers based on engineering judgment and past experience with airport construction projects. These equipment types and hours were used in MOVES4.0 to develop non-road and on-road engine emissions and load factors to determine the Proposed Project's emissions.

Table A-1: Proposed Project Construction Components

Component Name	Months
Construction of Temp Runway 17-35 (South)	2026 12 Months - 2027 4 Months
Reconstruction of Taxiway B3	2026 12 Months - 2027 4 Months
Stormwater Pond (South)	2026 12 Months - 2027 4 Months
Demolition of Pavement	2026 12 Months - 2027 4 Months
Construction of B3	2026 12 Months - 2027 4 Months
GA Ramp Reconstruction	2026 12 Months - 2027 4 Months
Relocation of Taxiway B2	2026 12 Months - 2027 4 Months
Airfield Drainage Improvements	2026 12 Months - 2027 7 Months
Reconstruction of Taxiway B5	2026 12 Months - 2027 7 Months
Stormwater Pond (North)	2026 12 Months - 2027 7 Months
Construction of Temp Runway 17-35 (North)	2026 12 Months - 2027 7 Months
Rehabilitation of Runway 18-36	2027 4 Months

Source: RS&H 2025

Table A-2: 2026 Non-Road Construction Emissions Inventory Inputs

Air Compressor	Diesel	100	852.10
Chipper/Stump Grinder	Diesel	100	236.40
Concrete Saws	Diesel	40	4,062.40
Crack Cleaner	Diesel	40	30.60
Distributing Tanker	Diesel	600	14.30

Equipment Type	Fuel Type	Horsepower	Operating Hours
Dump Truck	Diesel	600	4,802.99
Dump Truck (12 cy)	Diesel	600	6,289.79
Excavator	Diesel	175	4,308.07
Excavator with Bucket	Diesel	175	504.10
Excavator with Hoe Ram	Diesel	175	504.10
Flatbed Truck	Diesel	600	5,295.30
Grader	Diesel	300	126.70
Hydraulic Hammer	Diesel	175	3,210.30
Hydroseeder	Diesel	600	83.45
Loader	Diesel	150	899.85
Off-Road Truck	Diesel	600	83.45
Other General Equipment	Diesel	175	11,287.25
Pickup Truck	Diesel	600	15,839.61
Pumps	Diesel	11	116.80
Roller	Diesel	100	1,924.57
Rubber Tired Loader	Diesel	175	852.10
Scraper	Diesel	600	628.40
Skid Steer Loader	Diesel	75	278.50
Slip Form Paver	Diesel	175	852.10
Surfacing Equipment (Grooving)	Diesel	25	852.10
Sweepers	Diesel	175	356.30
Tractors/Loader/Backhoe	Diesel	100	563.40
Water Truck	Diesel	600	24,116.30
		Total	**95,940.75**

Source: RS&H 2025.

Table A-3: 2027 Non-Road Construction Emissions Inventory Inputs

Equipment Type	Fuel Type	Horsepower	Operating Hours
Air Compressor	Diesel	100	641.10
Chain Saw	Diesel	11	61.20
Chipper/Stump Grinder	Diesel	100	61.20
Cold Planer	Diesel	175	356.30
Concrete Saws	Diesel	40	3,851.40
Concrete Truck	Diesel	600	2,671.00
Crack Cleaner	Diesel	40	30.60
Crack Filler (Trailer Mounted)	Diesel	100	30.60
Distributing Tanker	Diesel	600	1.60
Dozer	Diesel	175	1,499.81
Dump Truck	Diesel	600	4,241.09
Dump Truck (12 cy)	Diesel	600	4,294.99
Excavator	Diesel	175	3,873.47
Excavator with Bucket	Diesel	175	56.00
Excavator with Hoe Ram	Diesel	175	56.00
Flatbed Truck	Diesel	600	3,990.90
Grader	Diesel	300	56.90
Hydraulic Hammer	Diesel	175	3,210.30

Equipment Type	Fuel Type	Horsepower	Operating Hours
Hydroseeder	Diesel	600	27.25
Loader	Diesel	150	510.15
Off-Road Truck	Diesel	600	27.25
Other General Equipment	Diesel	175	9,077.85
Pickup Truck	Diesel	600	11,368.81
Pumps	Diesel	11	55.60
Roller	Diesel	100	1,137.17
Rubber Tired Loader	Diesel	175	641.10
Scraper	Diesel	600	364.20
Skid Steer Loader	Diesel	75	200.30
Slip Form Paver	Diesel	175	641.10
Surfacing Equipment (Grooving)	Diesel	25	641.10
Sweepers	Diesel	175	356.30
Tractors/Loader/Backhoe	Diesel	100	326.50
Water Truck	Diesel	600	12,116.30
		Total	**66,475.45**

Source: RS&H 2025.

The development of Vehicle Miles Traveled (VMT) is based on engineering judgment and past experience with airport construction projects. The calculation of VMT is developed by using the number of construction employees and the number of expected equipment types during the construction of the Proposed Project. The distance traveled by employees and material deliveries for the Proposed Project are based on a 30-mile round trip per passenger car and a 40-mile round trip per material delivery that would originate from the Myrtle Beach region. The round-trip distance is applied to each passenger and material delivery vehicle during the length of construction to develop the total VMT used for MOVES4.0.

Table A-4: 2026 On-Road Construction Emissions Inventory Inputs

Equipment	Fuel Type	VMT*
Single Unit Short-haul Truck	Diesel	282,110
Passenger Car	Gasoline	4,587,832

*Note – VMT = vehicle miles traveled.
Source: MOVES4.0, RS&H 2025.

Table A-5: 2027 On-Road Construction Emissions Inventory Inputs

Equipment	Fuel Type	VMT*
Single Unit Short-haul Truck	Diesel	628,134
Passenger Car	Gasoline	2,045,400

*Note – VMT = vehicle miles traveled.
Source: MOVES4.0, RS&H 2025.

A.1.2.2 Construction Emissions Inventory Results

For informational purposes, ***Table A-6, and Table A-7*** shows the criteria pollutants, as well as the greenhouse gas emissions (GHGs) in tons per year during the Proposed Project's construction. The primary greenhouse gas emissions are Carbon Dioxide (CO_2), Methane (CH_4), and Nitrous Oxide (N_2O).

Table A-6: Proposed Project Results (Tons Per Year)

							GHGs		
2026	**CO**	**VOC**	**NOx**	**PM_{10}**	**$PM_{2.5}$**	**SOx**	**CO_2**	**CH_4**	**N_2O**
NONROAD	1.43	0.41	5.21	0.33	0.32	0.04	14,454.09	N/A	N/A
ONROAD	20.51	0.24	1.40	0.06	0.06	0.01	1,688.63	0.05	0.03
FUGITIVE	0.00	0.00	0.00	1.62	N/A	0.00	N/A	N/A	N/A
TOTAL	21.94	0.65	6.61	2.01	0.37	0.05	16,142.73	0.05	0.03

Source: MOVES4.0, RS&H 2025.

Notes: N/A = not applicable.
Totals may not sum due to rounding.
De miminis thresholds are not shown because Horry County is in "attainment" for all NAAQS.

Table A-7: Proposed Project Results (Tons Per Year)

							GHGs		
2027	**CO**	**VOC**	**NOx**	**PM_{10}**	**$PM_{2.5}$**	**SOx**	**CO_2**	**CH_4**	**N_2O**
NONROAD	0.83	0.25	3.25	0.20	0.19	0.03	9,541.85	N/A	N/A
ONROAD	8.52	0.24	1.97	0.10	0.09	0.00	1,183.29	0.03	0.05
FUGITIVE	0.00	0.00	0.00	2.88	N/A	0.00	N/A	N/A	N/A
TOTAL	9.35	0.50	5.22	3.18	0.28	0.03	10,725.15	0.03	0.05

Source: MOVES4.0, RS&H 2025.

Notes: N/A = not applicable.
Totals may not sum due to rounding.
De miminis thresholds are not shown because Horry County is in "attainment" for all NAAQS.

Construction Emissions Inventory Calculations

Nonroad Emissions - 2026

Inputs							MOVES 4 Emission Factors (g-hp-hr)							Emissions (Tons per Year)						
Year	Equipment Type	MOVES4 Equipment Type	Average Horsepower	Load Factor	Fuel Type	Operating Hours	CO	NOx	SO2	VOC	CO2	PM10	PM2.5	CO	VOC	NOx	PM10	PM2.5	SO2	CO2
2026	Air Compressor	Other Construction Equipment	100	0.59	Diesel	852.10	0.374949	1.187762	0.001621	0.048864	596.0168	0.054268	0.05264	0.020779	0.002708	0.065823	0.003007	0.002917	8.98E-05	33.02993
2026	Chain Saw	Other Construction Equipment	11	0.59	Diesel	236.40	2.45815	4.183142	0.002183	0.837541	593.7557	0.238141	0.230997	0.004157	0.001416	0.007075	0.000403	0.000391	3.69E-06	1.004168
2026	Chipper/Stump Grinder	Other Construction Equipment	100	0.59	Diesel	236.40	0.374949	1.187762	0.001621	0.048864	596.0168	0.054268	0.05264	0.005765	0.000751	0.018261	0.000834	0.000809	2.49E-05	9.163567
2026	Cold Planer	Other Construction Equipment	175	0.59	Diesel	356.30	0.165924	0.503756	0.00146	0.039626	536.7156	0.035773	0.034699	0.006729	0.001607	0.020428	0.001451	0.001407	5.92E-05	21.7649
2026	Concrete Saws	Other Construction Equipment	40	0.59	Diesel	4,062.40	0.284517	2.533765	0.001571	0.092949	595.8783	0.021839	0.021183	0.030068	0.009823	0.267773	0.002308	0.002239	0.000166	62.97364
2026	Concrete Truck	Off-Highway Trucks	600	0.59	Diesel	3,551.10	0.031295	0.135075	0.001418	0.01095	536.7967	0.008411	0.008159	0.043365	0.015173	0.187175	0.011656	0.011306	0.001965	743.8451
2026	Crack Cleaner	Other Construction Equipment	40	0.59	Diesel	30.60	0.284517	2.533765	0.001571	0.092949	595.8783	0.021839	0.021183	0.000226	7.4E-05	0.002017	1.74E-05	1.69E-05	1.25E-06	0.474349
2026	Crack Filler (Trailer Mounted)	Other Construction Equipment	100	0.59	Diesel	30.60	0.374949	1.187762	0.001621	0.048864	596.0168	0.054268	0.05264	0.000746	9.72E-05	0.002364	0.000108	0.000105	3.23E-06	1.186147
2026	Distributing Tanker	Off-Highway Trucks	600	0.59	Diesel	14.30	0.031295	0.135075	0.001418	0.01095	536.7967	0.008411	0.008159	0.000175	6.11E-05	0.000754	4.69E-05	4.55E-05	7.91E-06	2.995406
2026	Dozer	Crawler Tractor/Dozers	175	0.59	Diesel	2,795.01	0.084163	0.256844	0.001427	0.013118	536.7924	0.02038	0.019768	0.026773	0.004173	0.081705	0.006483	0.006289	0.000454	170.7603
2026	Dump Truck	Off-Highway Trucks	600	0.59	Diesel	4,802.99	0.031295	0.135075	0.001418	0.01095	536.7967	0.008411	0.008159	0.058653	0.020522	0.253162	0.015765	0.015292	0.002658	1006.077
2026	Dump Truck (12 cy)	Off-Highway Trucks	600	0.59	Diesel	6,289.79	0.031295	0.135075	0.001418	0.01095	536.7967	0.008411	0.008159	0.07681	0.026875	0.331529	0.020645	0.020025	0.00348	1317.515
2026	Excavator	Excavators	175	0.59	Diesel	4,308.07	0.066642	0.212127	0.00142	0.010653	536.7982	0.01566	0.015191	0.032676	0.005223	0.10401	0.007679	0.007448	0.000696	263.2027
2026	Excavator with Bucket	Excavators	175	0.59	Diesel	504.10	0.066642	0.212127	0.00142	0.010653	536.7982	0.01566	0.015191	0.003824	0.000611	0.012171	0.000898	0.000872	8.15E-05	30.79813
2026	Excavator with Hoe Ram	Excavators	175	0.59	Diesel	504.10	0.066642	0.212127	0.00142	0.010653	536.7982	0.01566	0.015191	0.003824	0.000611	0.012171	0.000898	0.000872	8.15E-05	30.79813
2026	Flatbed Truck	Off-Highway Trucks	600	0.59	Diesel	5,295.30	0.031295	0.135075	0.001418	0.01095	536.7967	0.008411	0.008159	0.064665	0.022626	0.279111	0.01738	0.016859	0.00293	1109.201
2026	Grader	Graders	300	0.59	Diesel	126.70	0.039008	0.155863	0.001422	0.012512	536.7923	0.010161	0.009856	0.000964	0.000309	0.003853	0.000251	0.000244	3.51E-05	13.26975
2026	Hydralic Hammer	Other Construction Equipment	175	0.59	Diesel	3,210.30	0.165924	0.503756	0.00146	0.039626	536.7156	0.035773	0.034699	0.060625	0.014479	0.184061	0.013071	0.012678	0.000533	196.104
2026	Hydroseeder	Other Construction Equipment	600	0.59	Diesel	83.45	0.729653	1.835645	0.001621	0.102539	536.5304	0.098993	0.096023	0.023761	0.003339	0.059779	0.003224	0.003127	5.28E-05	17.47235
2026	Loader	Tractors/Loaders/Backhoes	150	0.24	Diesel	899.85	1.198357	2.268669	0.001889	0.372931	625.4541	0.23946	0.232276	0.042198	0.013132	0.079887	0.008432	0.008179	6.65E-05	22.02431
2026	Off-Road Truck	Off-Highway Trucks	600	0.59	Diesel	83.45	0.031295	0.135075	0.001418	0.01095	536.7967	0.008411	0.008159	0.001019	0.000357	0.004399	0.000274	0.000266	4.62E-05	17.48102
2026	Other General Equipment	Other Construction Equipment	175	0.59	Diesel	11,287.25	0.165924	0.503756	0.00146	0.039626	536.7156	0.035773	0.034699	0.213154	0.050906	0.64715	0.045955	0.044577	0.001875	689.4919
2026	Pickup Truck	Off-Highway Trucks	600	0.59	Diesel	15,839.61	0.031295	0.135075	0.001418	0.01095	536.7967	0.008411	0.008159	0.193431	0.067679	0.834892	0.051989	0.050429	0.008764	3317.905
2026	Pumps	Other Construction Equipment	11	0.59	Diesel	116.80	2.45815	4.183142	0.002183	0.837541	593.7557	0.238141	0.230997	0.002054	0.0007	0.003495	0.000199	0.000193	1.82E-06	0.496137
2026	Roller	Rollers	100	0.59	Diesel	1,924.57	0.232279	1.00433	0.001597	0.018095	596.1044	0.038661	0.037501	0.029074	0.002265	0.12571	0.004839	0.004694	0.0002	74.61302
2026	Rubber Tired Loader	Tractors/Loaders/Backhoes	175	0.21	Diesel	852.10	1.198357	2.268669	0.001889	0.372931	625.4541	0.23946	0.232276	0.041366	0.012873	0.078312	0.008266	0.008018	6.52E-05	21.58986
2026	Scraper	Scrapers	600	0.59	Diesel	628.40	0.15004	0.441291	0.001463	0.02609	536.7542	0.024541	0.023805	0.036792	0.006398	0.10821	0.006018	0.005837	0.000359	131.6188
2026	Skid Steer Loader	Skid Steer Loaders	75	0.21	Diesel	278.50	6.990303	6.096885	0.002506	1.376763	691.9395	1.088401	1.055746	0.033799	0.006657	0.02948	0.005263	0.005105	1.21E-05	3.345649
2026	Slip Form Paver	Pavers	175	0.59	Diesel	852.10	0.099319	0.251918	0.001432	0.015277	536.7864	0.024703	0.023962	0.009632	0.001482	0.024431	0.002396	0.002324	0.000139	52.05815
2026	Surfacing Equipment (Grooving)	Other Construction Equipment	25	0.59	Diesel	852.10	1.487182	3.762274	0.002188	0.351591	595.1485	0.169858	0.164762	0.020604	0.004871	0.052124	0.002353	0.002283	3.03E-05	8.245451
2026	Sweepers	Other Construction Equipment	175	0.59	Diesel	356.30	0.165924	0.503756	0.00146	0.039626	536.7156	0.035773	0.034699	0.006729	0.001607	0.020428	0.001451	0.001407	5.92E-05	21.7649
2026	Tractors/Loader/Backhoe	Tractors/Loaders/Backhoes	100	0.24	Diesel	563.40	2.74093	2.82743	0.002098	0.52004	694.471	0.428869	0.416003	0.040286	0.007644	0.041558	0.006304	0.006114	3.08E-05	10.20739
2026	Water Truck	Off-Highway Trucks	600	0.59	Diesel	24,116.30	0.031295	0.135075	0.001418	0.01095	536.7967	0.008411	0.008159	0.294504	0.103044	1.271149	0.079155	0.07678	0.013344	5051.615

Sources: MOVES4.0, RS&H 2025

Total						
1.429229	0.410093	5.214447	0.329018	0.319147	0.038317	14454.09

Nonroad Emissions - 2027

Inputs							MOVES 4 Emission Factors (g-hp-hr)							Emissions (Tons per Year)						
Year	Equipment Type	MOVES4 Equipment Type	Average Horsepower	Load Factor	Fuel Type	Operating Hours	CO	NOx	SO2	VOC	CO2	PM10	PM2.5	CO	VOC	NOx	PM10	PM2.5	SO2	CO2
2027	Air Compressor	Other Construction Equipment	100	0.59	Diesel	641.10	0.284188	1.092163	0.001607	0.03679	596.0476	0.041321	0.040081	0.011849	0.001534	0.045538	0.001723	0.001671	6.7E-05	24.85223
2027	Chain Saw	Other Construction Equipment	11	0.59	Diesel	61.20	2.457185	4.183139	0.002183	0.837568	593.7541	0.237999	0.230859	0.001076	0.000367	0.001831	0.000104	0.000101	9.56E-07	0.259962
2027	Chipper/Stump Grinder	Other Construction Equipment	100	0.59	Diesel	61.20	0.284188	1.092163	0.001607	0.03679	596.0476	0.041321	0.040081	0.001131	0.000146	0.004347	0.000164	0.00016	6.39E-06	2.372417
2027	Cold Planer	Other Construction Equipment	175	0.59	Diesel	356.30	0.133412	0.405679	0.001447	0.030792	536.742	0.028606	0.027748	0.00541	0.001249	0.016451	0.00116	0.001125	5.87E-05	21.76597
2027	Concrete Saws	Other Construction Equipment	40	0.59	Diesel	3,851.40	0.281113	2.530943	0.00157	0.092653	595.8748	0.021003	0.020373	0.028166	0.009283	0.253583	0.002104	0.002041	0.000157	59.70245
2027	Concrete Truck	Off-Highway Trucks	600	0.59	Diesel	2,671.00	0.026667	0.124989	0.001416	0.010412	536.7982	0.00762	0.007391	0.027794	0.010852	0.130273	0.007942	0.007704	0.001476	559.4931
2027	Crack Cleaner	Other Construction Equipment	40	0.59	Diesel	30.60	0.281113	2.530943	0.00157	0.092653	595.8748	0.021003	0.020373	0.000224	7.38E-05	0.002015	1.67E-05	1.62E-05	1.25E-06	0.474346
2027	Crack Filler (Trailer Mounted)	Other Construction Equipment	100	0.59	Diesel	30.60	0.284188	1.092163	0.001607	0.03679	596.0476	0.041321	0.040081	0.000566	7.32E-05	0.002174	8.22E-05	7.98E-05	3.2E-06	1.186208
2027	Distributing Tanker	Off-Highway Trucks	600	0.59	Diesel	1.60	0.026667	0.124989	0.001416	0.010412	536.7982	0.00762	0.007391	1.66E-05	6.5E-06	7.8E-05	4.76E-06	4.61E-06	8.84E-07	0.335151
2027	Dozer	Crawler Tractor/Dozers	175	0.59	Diesel	1,499.81	0.075694	0.234553	0.001424	0.011939	536.7944	0.018071	0.017529	0.012921	0.002038	0.040038	0.003085	0.002992	0.000243	91.63084
2027	Dump Truck	Off-Highway Trucks	600	0.59	Diesel	4,241.09	0.026667	0.124989	0.001416	0.010412	536.7982	0.00762	0.007391	0.044133	0.017231	0.206852	0.012611	0.012232	0.002344	888.3793
2027	Dump Truck (12 cy)	Off-Highway Trucks	600	0.59	Diesel	4,294.99	0.026667	0.124989	0.001416	0.010412	536.7982	0.00762	0.007391	0.044693	0.01745	0.209481	0.012771	0.012388	0.002374	899.6686
2027	Excavator	Excavators	175	0.59	Diesel	3,873.47	0.060071	0.193512	0.001418	0.009741	536.7994	0.013875	0.013459	0.026482	0.004294	0.085311	0.006117	0.005933	0.000625	236.6513
2027	Excavator with Bucket	Excavators	175	0.59	Diesel	56.00	0.060071	0.193512	0.001418	0.009741	536.7994	0.013875	0.013459	0.000383	6.21E-05	0.001233	8.84E-05	8.58E-05	9.04E-06	3.421343
2027	Excavator with Hoe Ram	Excavators	175	0.59	Diesel	56.00	0.060071	0.193512	0.001418	0.009741	536.7994	0.013875	0.013459	0.000383	6.21E-05	0.001233	8.84E-05	8.58E-05	9.04E-06	3.421343
2027	Flatbed Truck	Off-Highway Trucks	600	0.59	Diesel	3,990.90	0.026667	0.124989	0.001416	0.010412	536.7982	0.00762	0.007391	0.041529	0.016215	0.194649	0.011867	0.011511	0.002206	835.9719
2027	Grader	Graders	300	0.59	Diesel	56.90	0.033689	0.143523	0.00142	0.011715	536.7953	0.009125	0.008851	0.000374	0.00013	0.001593	0.000101	9.83E-05	1.58E-05	5.959375
2027	Hydralic Hammer	Other Construction Equipment	175	0.59	Diesel	3,210.30	0.133412	0.405679	0.001447	0.030792	536.742	0.028606	0.027748	0.048746	0.011251	0.148226	0.010452	0.010139	0.000529	196.1136
2027	Hydroseeder	Other Construction Equipment	600	0.59	Diesel	27.25	0.623779	1.596625	0.001593	0.088275	536.5711	0.084764	0.082221	0.006634	0.000939	0.01698	0.000901	0.000874	1.69E-05	5.706467
2027	Loader	Tractors/Loaders/Backhoes	150	0.24	Diesel	510.15	1.027992	1.976904	0.001857	0.321392	625.6051	0.207222	0.201005	0.020522	0.006416	0.039466	0.004137	0.004013	3.71E-05	12.48925
2027	Off-Road Truck	Off-Highway Trucks	600	0.59	Diesel	27.25	0.026667	0.124989	0.001416	0.010412	536.7982	0.00762	0.007391	0.000284	0.000111	0.001329	8.1E-05	7.86E-05	1.51E-05	5.708882
2027	Other General Equipment	Other Construction Equipment	175	0.59	Diesel	9,077.85	0.133412	0.405679	0.001447	0.030792	536.742	0.028606	0.027748	0.137839	0.031814	0.419143	0.029556	0.028669	0.001495	554.5559
2027	Pickup Truck	Off-Highway Trucks	600	0.59	Diesel	11,368.81	0.026667	0.124989	0.001416	0.010412	536.7982	0.00762	0.007391	0.118303	0.04619	0.554494	0.033804	0.03279	0.006283	2381.418
2027	Pumps	Other Construction Equipment	11	0.59	Diesel	55.60	2.457185	4.183139	0.002183	0.837568	593.7541	0.237999	0.230859	0.000977	0.000333	0.001664	9.47E-05	9.18E-05	8.68E-07	0.236174
2027	Roller	Rollers	100	0.59	Diesel	1,137.17	0.136532	0.922307	0.001583	0.012155	596.1214	0.024863	0.024117	0.010098	0.000899	0.068212	0.001839	0.001784	0.000117	44.08782
2027	Rubber Tired Loader	Tractors/Loaders/Backhoes	175	0.21	Diesel	641.10	1.027992	1.976904	0.001857	0.321392	625.6051	0.207222	0.201005	0.026698	0.008347	0.051342	0.005382	0.00522	4.82E-05	16.24763
2027	Scraper	Scrapers	600	0.59	Diesel	364.20	0.114316	0.346562	0.001449	0.021558	536.7661	0.019837	0.019241	0.016246	0.003064	0.049252	0.002819	0.002735	0.000206	76.28319
2027	Skid Steer Loader	Skid Steer Loaders	75	0.21	Diesel	200.30	6.338202	5.727518	0.002441	1.238894	692.3468	0.978632	0.949272	0.022041	0.004308	0.019917	0.003403	0.003301	8.49E-06	2.407641
2027	Slip Form Paver	Pavers	175	0.59	Diesel	641.10	0.086384	0.23079	0.001428	0.013474	536.7914	0.021062	0.020431	0.006303	0.000983	0.01684	0.001537	0.001491	0.000104	39.16769
2027	Surfacing Equipment (Grooving)	Other Construction Equipment	25	0.59	Diesel	641.10	1.486707	3.762178	0.002188	0.351554	595.1494	0.169791	0.164697	0.015497	0.003665	0.039216	0.00177	0.001717	2.28E-05	6.203693
2027	Sweepers	Other Construction Equipment	175	0.59	Diesel	356.30	0.133412	0.405679	0.001447	0.030792	536.742	0.028606	0.027748	0.00541	0.001249	0.016451	0.00116	0.001125	5.87E-05	21.76597
2027	Tractors/Loader/Backhoe	Tractors/Loaders/Backhoes	100	0.24	Diesel	326.50	2.367169	2.557192	0.002062	0.448404	694.6816	0.371454	0.36031	0.020163	0.003819	0.021782	0.003164	0.003069	1.76E-05	5.91715
2027	Water Truck	Off-Highway Trucks	600	0.59	Diesel	12,116.30	0.026667	0.124989	0.001416	0.010412	536.7982	0.00762	0.007391	0.126082	0.049227	0.590952	0.036027	0.034946	0.006697	2537.995
														Total						
														0.828974	0.253682	3.251948	0.196156	0.190271	0.025253	9541.851

Sources: MOVES4.0, RS&H 2025

Onroad Emissions - 2026

Inputs						MOVES4 Emission Factors (g/miles)									Emissions (Tons per Year)								
Year	Equipment Type	MOVES4 Equipment Type	On-Road Activity	Fuel Type	Vehicle Miles Traveled	CO	NOx	CH4	N2O	SO2	VOC	CO2	PM10	PM2.5	CO	VOC	NOx	PM10	PM2.5	SO2	CO2	CH4	N2O
2026	Cement Mixer	Single Unit Short-haul Truck	Urban Unrestricted Access	Diesel	161,464	1.54121	2.79796	0.00964	0.07119	0.0029	0.29185	845.521	0.15525	0.14282	0.27431	0.05195	0.49799	0.02763	0.02542	0.00051629	150.49	0.00172	0.01267
2026	Cement Truck	Single Unit Short-haul Truck	Urban Unrestricted Access	Diesel	11,191	1.54121	2.79796	0.00964	0.07119	0.0029	0.29185	845.521	0.15525	0.14282	0.01901	0.0036	0.03452	0.00192	0.00176	3.57838E-05	10.4304	0.00012	0.000878
2026	Dump Truck	Single Unit Short-haul Truck	Urban Unrestricted Access	Diesel	23,340	1.54121	2.79796	0.00964	0.07119	0.0029	0.29185	845.521	0.15525	0.14282	0.03965	0.00751	0.07199	0.00399	0.00367	7.46309E-05	21.7536	0.00025	0.001832
2026	Dump Truck Subbase Material	Single Unit Short-haul Truck	Urban Unrestricted Access	Diesel	86,115	1.54121	2.79796	0.00964	0.07119	0.0029	0.29185	845.521	0.15525	0.14282	0.1463	0.0277	0.2656	0.01474	0.01356	0.000275357	80.2619	0.00092	0.006758
2026	Passenger Car	Passenger Car	Urban Unrestricted Access	Gasoline	4,587,832	3.96093	0.1046	0.009	0.00112	0.00133	0.0294	281.912	0.00251	0.00222	20.0314	0.1487	0.52899	0.01268	0.01122	0.006707198	1425.7	0.04552	0.005646

Sources: MOVES4.0, RS&H 2025

Total								
20.5106	0.23946	1.39909	0.06096	0.05563	0.00760926	1688.63	0.04852	0.027784

Onroad Emissions - 2027

Inputs						MOVES4 Emission Factors (g/miles)									Emissions (Tons per Year)								
Year	Equipment Type	MOVES4 Equipment Type	On-Road Activity	Fuel Type	Vehicle Miles Traveled	CO	NOx	CH4	N2O	SO2	VOC	CO2	PM10	PM2.5	CO	VOC	NOx	PM10	PM2.5	SO2	CO2	CH4	N2O
2027	Cement Mixer	Single Unit Short-haul Truck	Urban Unrestricted Access	Diesel	400,662.00	1.46129	2.54527	0.00945	0.07355	0.00284	0.26709	830.635	0.14056	0.12931	0.64539	0.11796	1.12414	0.06208	0.05711	0.001256366	366.856	0.00417	0.032484
2027	Cement Truck	Single Unit Short-haul Truck	Urban Unrestricted Access	Diesel	11,191.00	1.46129	2.54527	0.00945	0.07355	0.00284	0.26709	830.635	0.14056	0.12931	0.01803	0.00329	0.0314	0.00173	0.0016	3.50919E-05	10.2467	0.00012	0.000907
2027	Dump Truck	Single Unit Short-haul Truck	Urban Unrestricted Access	Diesel	2,593.00	1.46129	2.54527	0.00945	0.07355	0.00284	0.26709	830.635	0.14056	0.12931	0.00418	0.00076	0.00728	0.0004	0.00037	8.13093E-06	2.37421	2.7E-05	0.00021
2027	Dump Truck Subbase Material	Single Unit Short-haul Truck	Urban Unrestricted Access	Diesel	213,688.00	1.46129	2.54527	0.00945	0.07355	0.00284	0.26709	830.635	0.14056	0.12931	0.34421	0.06291	0.59954	0.03311	0.03046	0.000670067	195.658	0.00223	0.017325
2027	Passenger Car	Passenger Car	Urban Unrestricted Access	Gasoline	2,045,400.00	3.33118	0.09324	0.00821	0.0011	0.00127	0.02575	269.733	0.00214	0.0019	7.51074	0.05806	0.21022	0.00483	0.00427	0.002861093	608.161	0.0185	0.00247
															Total								
															8.52254	0.24299	1.97257	0.10215	0.09381	0.004830748	1183.29	0.02505	0.053396

Sources: MOVES4.0, RS&H 2025

Fugitive Emissions - 2026

Year	Project	Fugitive Type	Variable	Units	Pounds
2026	Taxiways	Concrete Mixing/Batching	PM10 = 0.037 x V	310	lbs
2026	Taxiways	Material Movement (Unpaved Roads)	PM10 = 1.5 x [(s/12)^0.9] x [(Wt./3)^0.45] x VMT	195.2	lbs
2026	Taxiways	Material Movement (Paved Roads)	PM10 = 0.0022 x (sL^0.91) x (Wt^1.02) x VMT	59.9	lbs
2026	Taxiways	Unstabilized Land and Wind Erosion	PM10 = 0.38 x A x TPConv x (1-CE) x t / 2000	1.46E-04	lbs
2026	Taxiways	Soil Handling	PM10 = T x 0.35 x 0.0032 x [(u/5)^1.3] / [(m/2)^1.4]	102.5	lbs
2026	Taxiways	Concrete Mixing/Batching	PM10 = 0.037 x V	61.10	lbs
2026	Taxiways	Material Movement (Unpaved Roads)	PM10 = 1.5 x [(s/12)^0.9] x [(Wt./3)^0.45] x VMT	73.90	lbs
2026	Taxiways	Material Movement (Paved Roads)	PM10 = 0.0022 x (sL^0.91) x (Wt^1.02) x VMT	23.90	lbs
2026	Taxiways	Unstabilized Land and Wind Erosion	PM10 = 0.38 x A x TPConv x (1-CE) x t / 2000	0.00	lbs
2026	Taxiways	Soil Handling	PM10 = T x 0.35 x 0.0032 x [(u/5)^1.3] / [(m/2)^1.4]	20.20	lbs
2026	Detention Basin	Unstabilized Land and Wind Erosion	PM10 = 0.38 x A x TPConv x (1-CE) x t / 2000	1.61E-04	lbs
2026	Detention Basin	Material Movement (Unpaved Roads)	PM10 = 1.5 x [(s/12)^0.9] x [(Wt./3)^0.45] x VMT	3.37E+01	lbs
2026	Detention Basin	Material Movement (Paved Roads)	PM10 = 0.0022 x (sL^0.91) x (Wt^1.02) x VMT	0.00E+00	lbs
2026	Detention Basin	Soil Handling	PM10 = T x 0.35 x 0.0032 x [(u/5)^1.3] / [(m/2)^1.4]	113.00	lbs
2026	Demolition - Concrete	Soil Handling	PM10 = T x 0.35 x 0.0032 x [(u/5)^1.3] / [(m/2)^1.4]	214	lbs
2026	Demolition - Concrete	Unstabilized Land and Wind Erosion	PM10 = 0.38 x A x TPConv x (1-CE) x t / 2000	3.05E-04	lbs
2026	Demolition - Concrete	Material Movement (Unpaved Roads)	PM10 = 1.5 x [(s/12)^0.9] x [(Wt./3)^0.45] x VMT	87.9	lbs
2026	Demolition - Concrete	Material Movement (Paved Roads)	PM10 = 0.0022 x (sL^0.91) x (Wt^1.02) x VMT	23.9	lbs
2026	Taxiways	Concrete Mixing/Batching	PM10 = 0.037 x V	61.3	lbs
2026	Taxiways	Material Movement (Unpaved Roads)	PM10 = 1.5 x [(s/12)^0.9] x [(Wt./3)^0.45] x VMT	74.5	lbs
2026	Taxiways	Material Movement (Paved Roads)	PM10 = 0.0022 x (sL^0.91) x (Wt^1.02) x VMT	23.9	lbs
2026	Taxiways	Unstabilized Land and Wind Erosion	PM10 = 0.38 x A x TPConv x (1-CE) x t / 2000	2.89E-05	lbs
2026	Taxiways	Soil Handling	PM10 = T x 0.35 x 0.0032 x [(u/5)^1.3] / [(m/2)^1.4]	20.3	lbs
2026	Apron (GA)	Concrete Mixing/Batching	PM10 = 0.037 x V	82.90	lbs
2026	Apron (GA)	Material Movement (Unpaved Roads)	PM10 = 1.5 x [(s/12)^0.9] x [(Wt./3)^0.45] x VMT	79.90	lbs
2026	Apron (GA)	Material Movement (Paved Roads)	PM10 = 0.0022 x (sL^0.91) x (Wt^1.02) x VMT	23.90	lbs
2026	Apron (GA)	Unstabilized Land and Wind Erosion	PM10 = 0.38 x A x TPConv x (1-CE) x t / 2000	0.00	lbs
2026	Apron (GA)	Soil Handling	PM10 = T x 0.35 x 0.0032 x [(u/5)^1.3] / [(m/2)^1.4]	27.40	lbs
2026	Taxiways	Concrete Mixing/Batching	PM10 = 0.037 x V	307.2	lbs
2026	Taxiways	Material Movement (Unpaved Roads)	PM10 = 1.5 x [(s/12)^0.9] x [(Wt./3)^0.45] x VMT	190.9	lbs
2026	Taxiways	Material Movement (Paved Roads)	PM10 = 0.0022 x (sL^0.91) x (Wt^1.02) x VMT	59.9	lbs
2026	Taxiways	Unstabilized Land and Wind Erosion	PM10 = 0.38 x A x TPConv x (1-CE) x t / 2000	1.45E-04	lbs
2026	Taxiways	Soil Handling	PM10 = T x 0.35 x 0.0032 x [(u/5)^1.3] / [(m/2)^1.4]	101.6	lbs
2026	Drainage System	Material Movement (Unpaved Roads)	PM10 = 1.5 x [(s/12)^0.9] x [(Wt./3)^0.45] x VMT	7.058	lbs
2026	Drainage System	Material Movement (Paved Roads)	PM10 = 0.0022 x (sL^0.91) x (Wt^1.02) x VMT	0.00E+00	lbs
2026	Drainage System	Unstabilized Land and Wind Erosion	PM10 = 0.38 x A x TPConv x (1-CE) x t / 2000	5.63E-05	lbs
2026	Drainage System	Soil Handling	PM10 = T x 0.35 x 0.0032 x [(u/5)^1.3] / [(m/2)^1.4]	39.50	lbs
2026	Taxiways	Concrete Mixing/Batching	PM10 = 0.037 x V	93.9	lbs
2026	Taxiways	Material Movement (Unpaved Roads)	PM10 = 1.5 x [(s/12)^0.9] x [(Wt./3)^0.45] x VMT	75.8	lbs
2026	Taxiways	Material Movement (Paved Roads)	PM10 = 0.0022 x (sL^0.91) x (Wt^1.02) x VMT	23.9	lbs
2026	Taxiways	Unstabilized Land and Wind Erosion	PM10 = 0.38 x A x TPConv x (1-CE) x t / 2000	4.43E-05	lbs
2026	Taxiways	Soil Handling	PM10 = T x 0.35 x 0.0032 x [(u/5)^1.3] / [(m/2)^1.4]	31.1	lbs
2026	Detention Basin	Unstabilized Land and Wind Erosion	PM10 = 0.38 x A x TPConv x (1-CE) x t / 2000	6.22E-05	lbs
2026	Detention Basin	Material Movement (Unpaved Roads)	PM10 = 1.5 x [(s/12)^0.9] x [(Wt./3)^0.45] x VMT	18.6	lbs
2026	Detention Basin	Material Movement (Paved Roads)	PM10 = 0.0022 x (sL^0.91) x (Wt^1.02) x VMT	0.00E+00	lbs
2026	Detention Basin	Soil Handling	PM10 = T x 0.35 x 0.0032 x [(u/5)^1.3] / [(m/2)^1.4]	43.6	lbs
2026	Taxiways	Concrete Mixing/Batching	PM10 = 0.037 x V	278.50	lbs
2026	Taxiways	Material Movement (Unpaved Roads)	PM10 = 1.5 x [(s/12)^0.9] x [(Wt./3)^0.45] x VMT	123.80	lbs
2026	Taxiways	Material Movement (Paved Roads)	PM10 = 0.0022 x (sL^0.91) x (Wt^1.02) x VMT	35.90	lbs
2026	Taxiways	Unstabilized Land and Wind Erosion	PM10 = 0.38 x A x TPConv x (1-CE) x t / 2000	0.00	lbs
2026	Taxiways	Soil Handling	PM10 = T x 0.35 x 0.0032 x [(u/5)^1.3] / [(m/2)^1.4]	92.10	lbs

Source: RS&H 2025

Fugitive Emissions - 2027

Year	Project	Fugitive Type	Variable	Units	Pounds
2027	Taxiways	Concrete Mixing/Batching	PM10 = 0.037 x V	34.40	lbs
2027	Taxiways	Material Movement (Unpaved Roads)	PM10 = 1.5 x [(s/12)^0.9] x [(Wt./3)^0.45] x VMT	27.20	lbs
2027	Taxiways	Material Movement (Paved Roads)	PM10 = 0.0022 x (sL^0.91) x (Wt^1.02) x VMT	7.983	lbs
2027	Taxiways	Unstabilized Land and Wind Erosion	PM10 = 0.38 x A x TPConv x (1-CE) x t / 2000	5.41E-06	lbs
2027	Taxiways	Soil Handling	PM10 = T x 0.35 x 0.0032 x [(u/5)^1.3] / [(m/2)^1.4]	11.4	lbs
2027	Taxiways	Concrete Mixing/Batching	PM10 = 0.037 x V	6.792	lbs
2027	Taxiways	Material Movement (Unpaved Roads)	PM10 = 1.5 x [(s/12)^0.9] x [(Wt./3)^0.45] x VMT	24.1	lbs
2027	Taxiways	Material Movement (Paved Roads)	PM10 = 0.0022 x (sL^0.91) x (Wt^1.02) x VMT	7.983	lbs
2027	Taxiways	Unstabilized Land and Wind Erosion	PM10 = 0.38 x A x TPConv x (1-CE) x t / 2000	1.07E-06	lbs
2027	Taxiways	Soil Handling	PM10 = T x 0.35 x 0.0032 x [(u/5)^1.3] / [(m/2)^1.4]	2.247	lbs
2027	Detention Basin	Unstabilized Land and Wind Erosion	PM10 = 0.38 x A x TPConv x (1-CE) x t / 2000	5.97E-06	lbs
2027	Detention Basin	Material Movement (Unpaved Roads)	PM10 = 1.5 x [(s/12)^0.9] x [(Wt./3)^0.45] x VMT	4.861	lbs
2027	Detention Basin	Material Movement (Paved Roads)	PM10 = 0.0022 x (sL^0.91) x (Wt^1.02) x VMT	0.00E+00	lbs
2027	Detention Basin	Soil Handling	PM10 = T x 0.35 x 0.0032 x [(u/5)^1.3] / [(m/2)^1.4]	12.6	lbs
2027	Demolition - Concrete	Soil Handling	PM10 = T x 0.35 x 0.0032 x [(u/5)^1.3] / [(m/2)^1.4]	23.8	lbs
2027	Demolition - Concrete	Unstabilized Land and Wind Erosion	PM10 = 0.38 x A x TPConv x (1-CE) x t / 2000	1.13E-05	lbs
2027	Demolition - Concrete	Material Movement (Unpaved Roads)	PM10 = 1.5 x [(s/12)^0.9] x [(Wt./3)^0.45] x VMT	13.7	lbs
2027	Demolition - Concrete	Material Movement (Paved Roads)	PM10 = 0.0022 x (sL^0.91) x (Wt^1.02) x VMT	3.992	lbs
2027	Taxiways	Concrete Mixing/Batching	PM10 = 0.037 x V	6.807	lbs
2027	Taxiways	Material Movement (Unpaved Roads)	PM10 = 1.5 x [(s/12)^0.9] x [(Wt./3)^0.45] x VMT	24.3	lbs
2027	Taxiways	Material Movement (Paved Roads)	PM10 = 0.0022 x (sL^0.91) x (Wt^1.02) x VMT	7.983	lbs
2027	Taxiways	Unstabilized Land and Wind Erosion	PM10 = 0.38 x A x TPConv x (1-CE) x t / 2000	1.07E-06	lbs
2027	Taxiways	Soil Handling	PM10 = T x 0.35 x 0.0032 x [(u/5)^1.3] / [(m/2)^1.4]	2.252	lbs
2027	Apron (GA)	Concrete Mixing/Batching	PM10 = 0.037 x V	9.209	lbs
2027	Apron (GA)	Material Movement (Unpaved Roads)	PM10 = 1.5 x [(s/12)^0.9] x [(Wt./3)^0.45] x VMT	26	lbs
2027	Apron (GA)	Material Movement (Paved Roads)	PM10 = 0.0022 x (sL^0.91) x (Wt^1.02) x VMT	7.983	lbs
2027	Apron (GA)	Unstabilized Land and Wind Erosion	PM10 = 0.38 x A x TPConv x (1-CE) x t / 2000	1.45E-06	lbs
2027	Apron (GA)	Soil Handling	PM10 = T x 0.35 x 0.0032 x [(u/5)^1.3] / [(m/2)^1.4]	3.046	lbs
2027	Taxiways	Concrete Mixing/Batching	PM10 = 0.037 x V	34.1	lbs
2027	Taxiways	Material Movement (Unpaved Roads)	PM10 = 1.5 x [(s/12)^0.9] x [(Wt./3)^0.45] x VMT	25.7	lbs
2027	Taxiways	Material Movement (Paved Roads)	PM10 = 0.0022 x (sL^0.91) x (Wt^1.02) x VMT	7.983	lbs
2027	Taxiways	Unstabilized Land and Wind Erosion	PM10 = 0.38 x A x TPConv x (1-CE) x t / 2000	5.36E-06	lbs
2027	Taxiways	Soil Handling	PM10 = T x 0.35 x 0.0032 x [(u/5)^1.3] / [(m/2)^1.4]	11.3	lbs
2027	Drainage System	Material Movement (Unpaved Roads)	PM10 = 1.5 x [(s/12)^0.9] x [(Wt./3)^0.45] x VMT	4.119	lbs
2027	Drainage System	Material Movement (Paved Roads)	PM10 = 0.0022 x (sL^0.91) x (Wt^1.02) x VMT	0.00E+00	lbs
2027	Drainage System	Unstabilized Land and Wind Erosion	PM10 = 0.38 x A x TPConv x (1-CE) x t / 2000	1.92E-05	lbs
2027	Drainage System	Soil Handling	PM10 = T x 0.35 x 0.0032 x [(u/5)^1.3] / [(m/2)^1.4]	23	lbs
2027	Taxiways	Concrete Mixing/Batching	PM10 = 0.037 x V	32	lbs
2027	Taxiways	Material Movement (Unpaved Roads)	PM10 = 1.5 x [(s/12)^0.9] x [(Wt./3)^0.45] x VMT	43.2	lbs
2027	Taxiways	Material Movement (Paved Roads)	PM10 = 0.0022 x (sL^0.91) x (Wt^1.02) x VMT	13.9	lbs
2027	Taxiways	Unstabilized Land and Wind Erosion	PM10 = 0.38 x A x TPConv x (1-CE) x t / 2000	8.79E-06	lbs
2027	Taxiways	Soil Handling	PM10 = T x 0.35 x 0.0032 x [(u/5)^1.3] / [(m/2)^1.4]	10.6	lbs
2027	Detention Basin	Unstabilized Land and Wind Erosion	PM10 = 0.38 x A x TPConv x (1-CE) x t / 2000	1.23E-05	lbs
2027	Detention Basin	Material Movement (Unpaved Roads)	PM10 = 1.5 x [(s/12)^0.9] x [(Wt./3)^0.45] x VMT	7.301	lbs
2027	Detention Basin	Material Movement (Paved Roads)	PM10 = 0.0022 x (sL^0.91) x (Wt^1.02) x VMT	0.00E+00	lbs
2027	Detention Basin	Soil Handling	PM10 = T x 0.35 x 0.0032 x [(u/5)^1.3] / [(m/2)^1.4]	14.8	lbs
2027	Taxiways	Concrete Mixing/Batching	PM10 = 0.037 x V	94.8	lbs
2027	Taxiways	Material Movement (Unpaved Roads)	PM10 = 1.5 x [(s/12)^0.9] x [(Wt./3)^0.45] x VMT	69.5	lbs
2027	Taxiways	Material Movement (Paved Roads)	PM10 = 0.0022 x (sL^0.91) x (Wt^1.02) x VMT	20.9	lbs
2027	Taxiways	Unstabilized Land and Wind Erosion	PM10 = 0.38 x A x TPConv x (1-CE) x t / 2000	2.61E-05	lbs
2027	Taxiways	Soil Handling	PM10 = T x 0.35 x 0.0032 x [(u/5)^1.3] / [(m/2)^1.4]	31.3	lbs
2027	Rehabilitate Runway	Soil Handling	PM10 = T x 0.35 x 0.0032 x [(u/5)^1.3] / [(m/2)^1.4]	908.6	lbs
2027	Rehabilitate Runway	Unstabilized Land and Wind Erosion	PM10 = 0.38 x A x TPConv x (1-CE) x t / 2000	4.32E-04	lbs
2027	Rehabilitate Runway	Material Movement (Unpaved Roads)	PM10 = 1.5 x [(s/12)^0.9] x [(Wt./3)^0.45] x VMT	1,058.00	lbs
2027	Rehabilitate Runway	Material Movement (Paved Roads)	PM10 = 0.0022 x (sL^0.91) x (Wt^1.02) x VMT	3.31E+02	lbs
2027	Rehabilitate Runway	Concrete Mixing/Batching	PM10 = 0.037 x V	2,746.80	lbs

Source: RS&H 2025