Appendix C1 Health Risk Assessment Revisions Memorandum and Data Files

ATTACHMENT A

EXHIBITS

Note: Exhibits are taken directly from the original Health Risk Assessment. No changes to these exhibits have been made.

ATTACHMENT B

ASSUMPTIONS AND RISK CALCULATIONS

ATTACHMENT C

AERMOD OUTPUT

URBEMIS OUTPUT

Construction - Phase 1 Costco

URBEMIS OUTPUT

Construction - Phase 2 Residential and Retail

URBEMIS OUTPUT

Operational Unmitigated

URBEMIS OUTPUT

Operational Mitigated

Palm Industrial Distribution Center

N

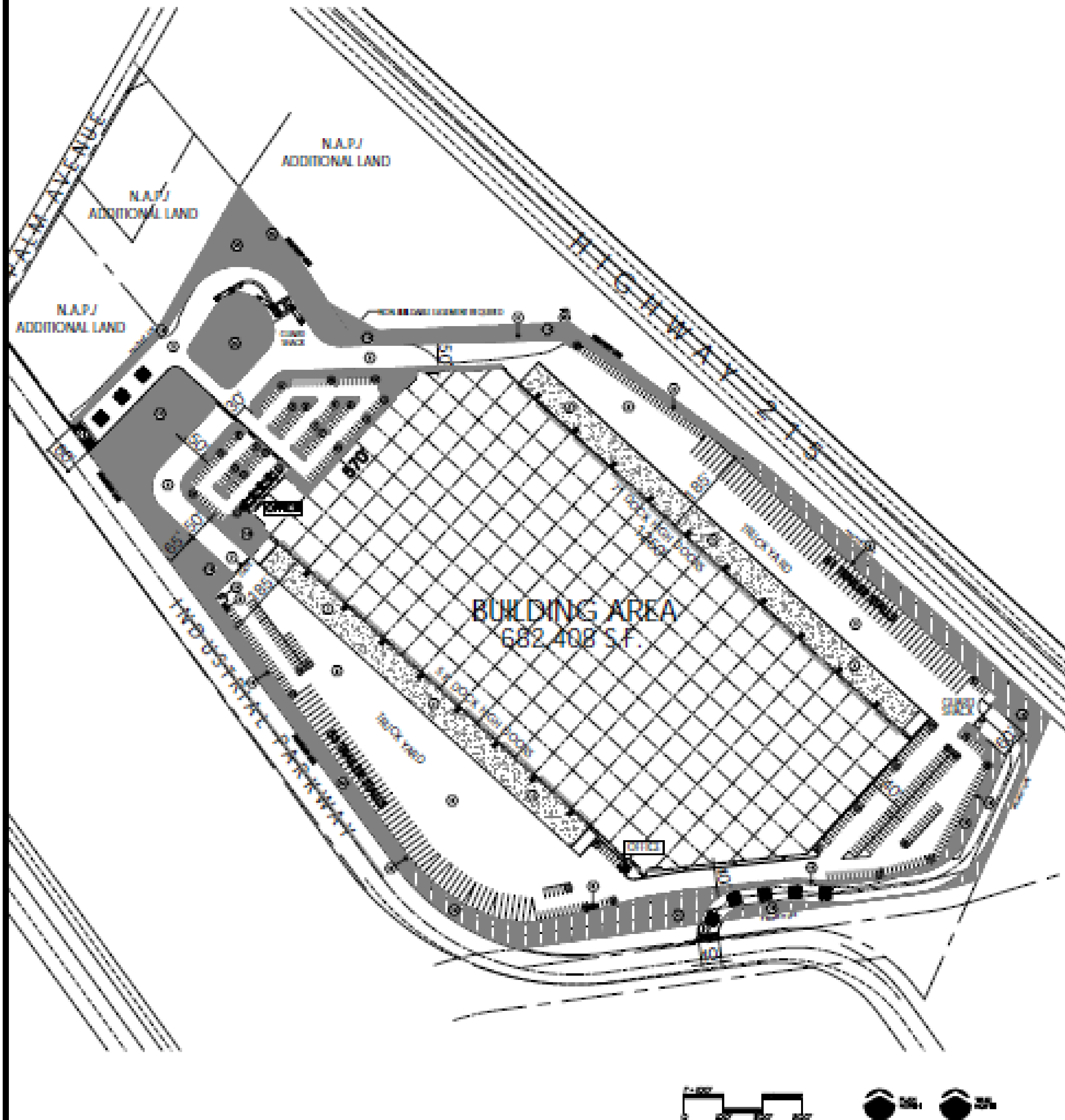
Not to Scale

Source: Google Earth 2010.

Palm-Industrial Distribution Center
San Bernardino, California

Exhibit 1
Site Location

Prepared by:: PBSJ an Atkins company

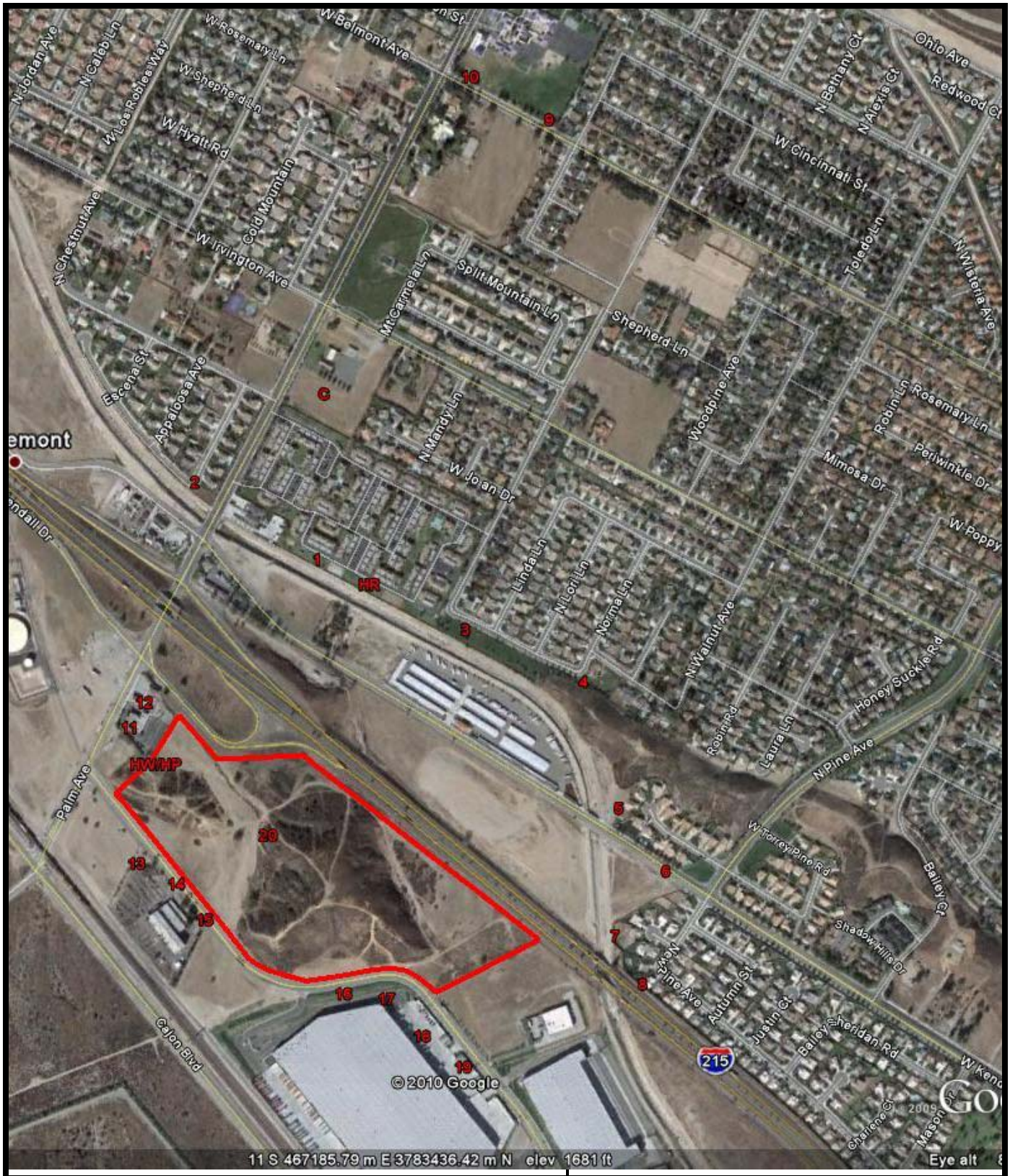


Palm-Industrial Distribution Center
San Bernardino, California

Exhibit 2
Site Map

Source: HPA, Inc. July 23, 2008.

Prepared by:: PBSJ an Atkins company



Palm Industrial Distribution Center
1-8 Residential Receptors
9-10 School Receptors
11-19 Offsite Worker Receptors
20 Onsite Worker receptors
C Church Receptor

Source: Google Earth 2010.

N

Not to Scale

Palm-Industrial Distribution Center
San Bernardino, California

Exhibit 3
Receptor Locations

Prepared by:: PBSJ an Atkins company

ATTACHMENT B

ASSUMPTIONS AND RISK CALCULATIONS

Palm Industrial Distribution Center
Health Risk Modeling Input
Risk Summary

Receptor Description	#	Unmitigated Risk	Unmitigated HI	Red. A Risk	Red. B Risk	Red. C Risk
Cresthaven Complex	1	20.13	0.01212	9.72	9.73	6.65
Verdmont Ranch Road	2	9.32	0.00561	4.64	4.65	3.18
Olive Avenue	3	17.28	0.01040	8.12	8.13	5.39
Norma Lane	4	11.94	0.00719	5.96	5.97	3.93
W. White Pine Avenue (West End)	5	7.57	0.00455	3.99	4.00	2.62
W. White Pine Avenue (South)	6	5.54	0.00333	2.84	2.85	1.87
Rito Ct (West End)	7	5.15	0.00310	2.62	2.63	1.73
Rito Ct (South)	8	4.59	0.00276	2.32	2.33	1.53
Highest Res. (Cresthaven)	HR - 21	21.68	0.01305	9.97	9.98	6.72
Palm Elementary School (SE)	9	0.04	0.00022	0.02	0.02	0.01
Palm Elementary School (NW)	10	0.02	0.00009	0.01	0.01	0.01
Denny's Restaurant (SW)	11	3.97	0.05413	1.91	1.92	1.32
Denny's Restaurant (NE)	12	3.04	0.04144	1.58	1.58	1.10
Com. S. of Ind. Pkwy (NW)	13	3.14	0.04277	1.19	1.20	0.77
Com. S. of Ind. Pkwy (NC)	14	2.26	0.03084	0.98	0.98	0.64
Com. S. of Ind. Pkwy (NE)	15	1.82	0.02486	0.82	0.82	0.54
Com. SW of Prop. (W. End)	16	0.60	0.00822	0.33	0.33	0.22
Com. SW of Prop. (NW corner)	17	0.50	0.00688	0.28	0.28	0.19
Com. SW of Prop. (N Center)	18	0.37	0.00499	0.19	0.19	0.13
Com. SW of Prop. (NE)	19	0.26	0.00357	0.13	0.13	0.09
Low onsite woker	20	0.39	0.00531	0.24	0.24	0.15
Highest onsite/offsite worker	HP/HW - 23	8.79	0.11988	3.27	3.28	2.13
Crestview Baptist Church	C - 22	1.17	0.00070	0.63	0.63	0.43
	Significance Criteria	10	1	10	10	10
	Significant?	***Yes***	***No***	***No***	***No***	***No***

Red. A: Reduction A: 11% of the truck fleet must be equipped with, or retrofitted to accommodate a diesel particulate filter with a 80% reduction rating or better.

Red. B: Reduction B: 90% of all truck trips shall be charried by Smart Way 1.0 or greater carriers within 3 years of project Start-up, meeting the minimum requirements of a 10% increased fuel efficiency.

Red. C: Reduction C: 100% of the truck fleet must be 2007 model years or newer.

Palm Industrial Distribution Center
Health Risk Modeling Input
Assumptions

To reduce modeling time, each source was modeled as its own group with a factor of 1. This allowed for the model to be run once and for the cumulative impacts from each source to be determined based on source specific emission factors. Cumulative emissions at each source were determined based on the combined modeled estimates for each receptor as well as source specific emission factors. Detailed emission factors and source contributions are included with the modeling for each scenario.

The following equation was used to model cancer risk:

Risk = Dose * Cancer Potency Factor

Where:

Dose = (C_{air} * DBR * A * EF * ED * CF) / AT

and:

C_{air}: Concentration in $\mu g/m^3$ from AERMOD adjusted by source specific emission factor.

DBR: Daily Breathing Rate in L/KG body weight-day. Residential and Student[1]; worker[2].

A: Age Sensitivity Factor

EF: Exposure Frequency in days. Residential[1]

Student: Distribution Center operates 24 hours per day, 7 days per week. Students are anticipated to be at the school 9 hours per day, 5 days per week for approximately 200 days pr year. Hours were adjusted to reflect the total amount of time exposed to operations. 54 days = 200 days x 9 hours / 24 hours.

Worker: Workers are anticipated to work 40 hours per week, 240 days per year. Hours were adjusted to reflect the total amount of time exposed to operations. 57 days = 240 days x 9 hours / 24 hours.

ED: Exposure Frequency in years

CF: Conversion factor = 10^{-6} [mg/μg] * [m^3/L]

AT: Averaging time in days

With the exception of the concentration, the following table shows the values associated with each of the receptor types as used in the analysis.

Receptor Type	DBR	A	EF	ED	CF	AT
Residential	302	1	350	70	10^{-6}	25550
Student	581	3	54	9	10^{-6}	25550
Worker	149	1	57	40	10^{-6}	25550

The following equation was used to model non-cancer risk:

Hazard Quotient = C_{air} / REL

Where:

C_{air}: Concentration in $\mu g/m^3$ from AERMOD adjusted by source specific emission factor.

REL: Reference Exposure Limit for DPM = 5

[1] OEHHA 2003. Air Toxics Hot Spots Program Risk Assessment Guidelines.

Palm Industrial Distribution Center
Health Risk Modeling Input
EMFAC - All Model Years

	Speed		
	0	**5**	**20**
2013	1.288	1.637	0.523
2014	1.135	0.934	0.378
2015	0.995	0.772	0.32
2016	0.873	0.641	0.274
2017	0.764	0.534	0.235
2018	0.669	0.445	0.203
2019	0.585	0.372	0.177
2020	0.512	0.313	0.156
2021	0.447	0.263	0.138
2022	0.392	0.223	0.123
2023	0.344	0.191	0.111
2024	0.304	0.166	0.102
2025	0.27	0.146	0.094
2026	0.241	0.131	0.088
2027	0.217	0.119	0.083
2028	0.198	0.11	0.08
2029	0.181	0.103	0.077
2030	0.167	0.098	0.074
2031	0.155	0.094	0.072
2032	0.146	0.09	0.071
2033	0.14	0.088	0.07
2034	0.134	0.086	0.069
2035	0.129	0.085	0.068
2036	0.125	0.084	0.067
2037	0.122	0.084	0.067
2038	0.12	0.083	0.067
2039	0.118	0.083	0.067
2040	0.116	0.083	0.067
2041	0.116	0.083	0.067
2042	0.116	0.083	0.067
2043	0.116	0.083	0.067
2044	0.116	0.083	0.067
2045	0.116	0.083	0.067
2046	0.116	0.083	0.067
2047	0.116	0.083	0.067
2048	0.116	0.083	0.067
2049	0.116	0.083	0.067
2050	0.116	0.083	0.067
2051	0.116	0.083	0.067
2052	0.116	0.083	0.067
2053	0.116	0.083	0.067
2054	0.116	0.083	0.067
2055	0.116	0.083	0.067
2056	0.116	0.083	0.067
2057	0.116	0.083	0.067
2058	0.116	0.083	0.067
2059	0.116	0.083	0.067
2060	0.116	0.083	0.067

	Speed		
	0	**5**	**20**
2061	0.116	0.083	0.067
2062	0.116	0.083	0.067
2063	0.116	0.083	0.067
2064	0.116	0.083	0.067
2065	0.116	0.083	0.067
2066	0.116	0.083	0.067
2067	0.116	0.083	0.067
2068	0.116	0.083	0.067
2069	0.116	0.083	0.067
2070	0.116	0.083	0.067
2071	0.116	0.083	0.067
2072	0.116	0.083	0.067
2073	0.116	0.083	0.067
2074	0.116	0.083	0.067
2075	0.116	0.083	0.067
2076	0.116	0.083	0.067
2077	0.116	0.083	0.067
2078	0.116	0.083	0.067
2079	0.116	0.083	0.067
2080	0.116	0.083	0.067
2081	0.116	0.083	0.067
2082	0.116	0.083	0.067
2083	0.116	0.083	0.067
Average	***0.223592***	***0.142714***	***0.095803***

Palm Industrial Distribution Center
Health Risk Modeling Input
EMFAC - 2007 or Model Years

	Speed		
	0	**5**	**20**
2013	0.11	0.075	0.057
2014	0.11	0.078	0.059
2015	0.11	0.08	0.061
2016	0.11	0.082	0.062
2017	0.11	0.084	0.064
2018	0.11	0.086	0.065
2019	0.11	0.087	0.067
2020	0.11	0.089	0.068
2021	0.11	0.09	0.068
2022	0.11	0.09	0.069
2023	0.11	0.09	0.069
2024	0.11	0.091	0.069
2025	0.11	0.091	0.069
2026	0.11	0.091	0.07
2027	0.11	0.091	0.07
2028	0.11	0.091	0.07
2029	0.11	0.091	0.07
2030	0.11	0.091	0.069
2031	0.11	0.091	0.069
2032	0.11	0.091	0.069
2033	0.11	0.09	0.069
2034	0.11	0.09	0.069
2035	0.11	0.09	0.068
2036	0.11	0.09	0.068
2037	0.11	0.089	0.068
2038	0.11	0.089	0.068
2039	0.11	0.089	0.068
2040	0.11	0.089	0.068
2041	0.11	0.089	0.068
2042	0.11	0.089	0.068
2043	0.11	0.089	0.068
2044	0.11	0.089	0.068
2045	0.11	0.089	0.068
2046	0.11	0.089	0.068
2047	0.11	0.089	0.068
2048	0.11	0.089	0.068
2049	0.11	0.089	0.068
2050	0.11	0.089	0.068
2051	0.11	0.089	0.068
2052	0.11	0.089	0.068
2053	0.11	0.089	0.068
2054	0.11	0.089	0.068
2055	0.11	0.089	0.068
2056	0.11	0.089	0.068
2057	0.11	0.089	0.068
2058	0.11	0.089	0.068
2059	0.11	0.089	0.068
2060	0.11	0.089	0.068

	Speed		
	0	**5**	**20**
2061	0.11	0.089	0.068
2062	0.11	0.089	0.068
2063	0.11	0.089	0.068
2064	0.11	0.089	0.068
2065	0.11	0.089	0.068
2066	0.11	0.089	0.068
2067	0.11	0.089	0.068
2068	0.11	0.089	0.068
2069	0.11	0.089	0.068
2070	0.11	0.089	0.068
2071	0.11	0.089	0.068
2072	0.11	0.089	0.068
2073	0.11	0.089	0.068
2074	0.11	0.089	0.068
2075	0.11	0.089	0.068
2076	0.11	0.089	0.068
2077	0.11	0.089	0.068
2078	0.11	0.089	0.068
2079	0.11	0.089	0.068
2080	0.11	0.089	0.068
2081	0.11	0.089	0.068
2082	0.11	0.089	0.068
2083	0.11	0.089	0.068
Average	***0.11***	***0.088634***	***0.067662***

Palm Industrial Distribution Center
Health Risk Modeling Input
DPM - Unmitigated

Traveling Vehicle Sources[1]	gr/mile[2] 2013-2083	meters/ trip[3]	miles/trip	# trips/ day[4]	g/s[5] 2013-2083	Factor (g/s) 2013-2083	Model Abbreviation
Inbound							
Onroad Trucks To entrance	0.0958	471.99	0.29	337	0.0001095	**1.095E-04**	TKNI2
Onsite Entrance To North Docks	0.1427	709.46	0.44	337	0.0002453	**2.453E-04**	TKNI
Onroad Trucks to Entrance	0.0958	471.99	0.29	275	0.0000895	**8.948E-05**	TKSI2
Onsite Entrance to South Docks	0.1427	691.47	0.43	275	0.0001953	**1.953E-04**	TKSI
Outbound							
Onsite North Docks to Exit	0.1427	721.54	0.45	337	0.0002495	**2.495E-04**	TKNO
Onroad Exit to Freeway	0.0958	432.73	0.27	337	0.0001004	**1.004E-04**	TKNO2
Onsite South Docks to Exit	0.1427	710.67	0.44	275	0.0002007	**2.007E-04**	TKSO
Onroad Exit to Freeway	0.0958	432.73	0.27	275	0.0000820	**8.204E-05**	TKSO2

1 Onsite routes are calculated from entrance to furthest loading dock bay for both the northern and southern sides of the building. Offsite routes are calculated from the truck entrance to the Northbound Freeway entrance/exit (furthest distance and therefore most conservative). Speed estimated for offsite trave is 20 mph based on distance available to travel between stops. Onsite speed approximated at 5 mph.

2 Grams/mile were determined using a weighted average EMFAC DPM emission rates based on a conservative assumption that 100% of the truck fleet is heavy duty trucks. Trucks represent 47% of total daily trips.

3 Meters per trip were determined based on the length of the road segment traveled or the distance traveled onsite.

4 Trips per day were based on 47% of the 1,303 daily trips (612 daily truck trips). Of the daily truck trips, 55.04% will go to the northern docks, and 44.96% will go to the southern docks (based on the number of loading docks on each side of the building (71 on the north and 58 on the south)).

5 Grams per second is determined by the following equation: ((gr/mile * miles/trip * trips/day) / sec/day the facility operates)

Idling Source	g/h[1] 2013-2083	g/s 2013-2083	# vehicles/ day[2]	# sec/day idling[3]	Emission Factor (g/s) 2013-2083	Model Abbreviation
Idling at North Docks	0.2236	0.00006	337	300	**7.264E-05**	TKNIDL
Idling at South Docks	1.2880	0.00036	275	300	**3.418E-04**	TKSIDL
Idling at Truck Entrance	1.2880	0.00036	612	300	**7.603E-04**	INQUE
Idling at Truck Exit	1.2880	0.00036	612	300	**7.603E-04**	OUTQUE

1 Grams/hour were determined using average EMFAC DPM emission rates based on a 70 year averaging time. It assumes a 5 minute idling time for each truck. At the loading dock, 5 minutes idling along the entrance, and 5 minutes idling at the exit.

2 Trips per day were based on 47% of the 1,303 daily trips (612 daily truck trips). Of the daily truck trips, 55.04% will go to the northern docks, and 44.96% will go to the southern docks (based on the number of loading docks on each side of the building (71 on the north and 58 on the south)).

3 Seconds per day is determined by multiplying number of minutes allowed to idle by 60. 5 x 60 = 300

							Cancer Risk										Non-Cancer Index		
																Threshold			Threshold
																10			1
X	Y	Identification / Source	#	Emission Factor	Modeled µg/m³	Annual DPM (µg/m³)	Daily breathing rate (DBR) (L/kg bw-day)	A	Exposure frequency (EF) (days/year)	Exposure Duration (ED) (years)	Conversion factor ($1x10^{-6}$)	Averaging period (AT) (days)	Dose	Cancer Potency Value	Cancer Risk	Significant?	Reference Level	Non-Cancer Risk	Significant?
466985.39	3783465.92	Cresthaven Complex	1			0.06061	302	1	365	70	0.000001	25550	1.83E-05	1.1	20.13	YES	5	0.01212	No
		TKNI2		0.00010954	28.70445	0.00314													
		TKNI		0.00024527	15.39876	0.00378													
		TKSI2		8.9483E-05	28.40923	0.00254													
		TKSI		0.00019528	14.72073	0.00287													
		TKNO		0.00024945	16.63919	0.00415													
		TKNO2		0.00010043	29.80008	0.00299													
		TKSO		0.00020071	15.24289	0.00306													
		TKSO2		8.2039E-05	30.21929	0.00248													
		TKNIDL		7.2641E-05	9.03181	0.00066													
		TKSIDL		0.00034183	7.49522	0.00256													
		INQUE		0.00076028	19.47427	0.01481													
		OUTQUE		0.00076028	21.8905	0.01664													
		Sum			237.02642														
		All			240.68687														
466738.53	3783613.31	Verdmont Ranch Road	2			0.02806	302	1	365	70	0.000001	25550	8.48E-06	1.1	9.32	No	5	0.00561	No
		TKNI2		0.00010954	13.73025	0.00150													
		TKNI		0.00024527	8.08827	0.00198													
		TKSI2		8.9483E-05	13.71995	0.00123													
		TKSI		0.00019528	7.31512	0.00143													
		TKNO		0.000249451	8.21637	0.00205													
		TKNO2		0.000100428	13.67608	0.00137													
		TKSO		0.000200707	7.40732	0.00149													
		TKSO2		8.20394E-05	13.7224	0.00113													
		TKNIDL		7.26408E-05	6.16711	0.00045													
		TKSIDL		0.00034183	5.24403	0.00179													
		INQUE		0.000760278	8.67677	0.00660													
		OUTQUE		0.000760278	9.22276	0.00701													
		Sum			115.18643														
		All			115.33218														
467235.09	3783360.77	Olive Avenue	3			0.05201	302	1	365	70	0.000001	25550	1.57E-05	1.1	17.28	YES	5	0.01040	No
		TKNI2		0.00010954	12.75265	0.00140													
		TKNI		0.00024527	18.81326	0.00461													
		TKSI2		8.9483E-05	12.77872	0.00114													
		TKSI		0.00019528	15.21891	0.00297													
		TKNO		0.000249451	19.55321	0.00488													
		TKNO2		0.000100428	12.88205	0.00129													
		TKSO		0.000200707	15.31916	0.00307													
		TKSO2		8.20394E-05	12.82069	0.00105													
		TKNIDL		7.26408E-05	15.60096	0.00113													
		TKSIDL		0.00034183	11.23641	0.00384													
		INQUE		0.000760278	16.76002	0.01274													
		OUTQUE		0.000760278	18.42645	0.01401													
		Sum			182.16249														
		All			181.66435														
467411.01	3783284.16	Norma Lane	4			0.03593	302	1	365	70	0.000001	25550	1.09E-05	1.1	11.94	YES	5	0.00719	No
		TKNI2		0.00010954	7.28876	0.00080													
		TKNI		0.00024527	15.72647	0.00386													
		TKSI2		8.9483E-05	7.31767	0.00065													
		TKSI		0.00019528	11.27184	0.00220													
		TKNO		0.000249451	15.82251	0.00395													
		TKNO2		0.000100428	7.28247	0.00073													
		TKSO		0.000200707	11.21044	0.00225													
		TKSO2		8.20394E-05	7.24722	0.00059													
		TKNIDL		7.26408E-05	19.15788	0.00139													
		TKSIDL		0.00034183	12.16161	0.00416													
		INQUE		0.000760278	10.18642	0.00774													
		OUTQUE		0.000760278	10.5483	0.00802													
		Sum			135.22159														
		All			133.67656														

							Cancer Risk										Non-Cancer Index		
																Threshold			Threshold
																10			1
X	Y	Identification / Source	#	Emission Factor	Modeled µg/m³	Annual DPM (µg/m³)	Daily breathing rate (DBR) (L/kg bw-day)	A	Exposure frequency (EF) (days/year)	Exposure Duration (ED) (years)	Conversion factor ($1x10^{-6}$)	Averaging period (AT) (days)	Dose	Cancer Potency Value	Cancer Risk	Significant?	Reference Level	Non-Cancer Risk	Significant?
467507.81	3783062.84	W. White Pine Avenue (West End	5			0.02277	302	1	365	70	0.000001	25550	6.88E-06	1.1	7.57	No	5	0.00455	No
		TKNI2		0.00010954	3.90018	0.00043													
		TKNI		0.00024527	11.44605	0.00281													
		TKSI2		8.9483E-05	3.91593	0.00035													
		TKSI		0.00019528	7.59402	0.00148													
		TKNO		0.000249451	11.08322	0.00276													
		TKNO2		0.000100428	3.86993	0.00039													
		TKSO		0.000200707	7.53822	0.00151													
		TKSO2		8.20394E-05	3.84816	0.00032													
		TKNIDL		7.26408E-05	17.6934	0.00129													
		TKSIDL		0.00034183	10.91378	0.00373													
		INQUE		0.000760278	5.35529	0.00407													
		OUTQUE		0.000760278	5.24688	0.00399													
		Sum			92.40506														
		All			90.99689														
467564.23	3782963.53	W. White Pine Avenue (South)	6			0.01666	302	1	365	70	0.000001	25550	5.03E-06	1.1	5.54	No	5	0.00333	No
		TKNI2		0.00010954	3.19054	0.00035													
		TKNI		0.00024527	7.51942	0.00184													
		TKSI2		8.9483E-05	3.20033	0.00029													
		TKSI		0.00019528	5.79918	0.00113													
		TKNO		0.000249451	7.23453	0.00180													
		TKNO2		0.000100428	3.17896	0.00032													
		TKSO		0.000200707	5.7188	0.00115													
		TKSO2		8.20394E-05	3.17046	0.00026													
		TKNIDL		7.26408E-05	11.22306	0.00082													
		TKSIDL		0.00034183	8.2915	0.00283													
		INQUE		0.000760278	4.06731	0.00309													
		OUTQUE		0.000760278	3.97464	0.00302													
		Sum			66.56873														
		All			65.60145														
467496.13	3782861.38	Rito Ct (West End)	7			0.01551	302	1	365	70	0.000001	25550	4.68E-06	1.1	5.15	No	5	0.00310	No
		TKNI2		0.00010954	3.06425	0.00034													
		TKNI		0.00024527	6.77865	0.00166													
		TKSI2		8.9483E-05	3.07029	0.00027													
		TKSI		0.00019528	5.42861	0.00106													
		TKNO		0.000249451	6.54365	0.00163													
		TKNO2		0.000100428	3.062	0.00031													
		TKSO		0.000200707	5.36723	0.00108													
		TKSO2		8.20394E-05	3.05763	0.00025													
		TKNIDL		7.26408E-05	9.82264	0.00071													
		TKSIDL		0.00034183	7.74024	0.00265													
		INQUE		0.000760278	3.78634	0.00288													
		OUTQUE		0.000760278	3.79488	0.00289													
		Sum			61.51641														
		All			60.68198														
467504.65	3782798.95	Rito Ct (South)	8			0.01382	302	1	365	70	0.000001	25550	4.17E-06	1.1	4.59	No	5	0.00276	No
		TKNI2		0.00010954	2.86378	0.00031													
		TKNI		0.00024527	5.91613	0.00145													
		TKSI2		8.9483E-05	2.86858	0.00026													
		TKSI		0.00019528	4.75492	0.00093													
		TKNO		0.000249451	5.75958	0.00144													
		TKNO2		0.000100428	2.86478	0.00029													
		TKSO		0.000200707	4.70614	0.00094													
		TKSO2		8.20394E-05	2.86155	0.00023													
		TKNIDL		7.26408E-05	8.25123	0.00060													
		TKSIDL		0.00034183	6.48703	0.00222													
		INQUE		0.000760278	3.48126	0.00265													
		OUTQUE		0.000760278	3.53191	0.00269													
		Sum			54.34689														
		All			53.65346														

							Cancer Risk										Non-Cancer Index		
																Threshold			Threshold
																10			1
X	Y	Identification / Source	#	Emission Factor	Modeled µg/m³	Annual DPM (µg/m³)	Daily breathing rate (DBR) (L/kg bw-day)	A	Exposure frequency (EF) (days/year)	Exposure Duration (ED) (years)	Conversion factor ($1x10^{-6}$)	Averaging period (AT) (days)	Dose	Cancer Potency Value	Cancer Risk	Significant?	Reference Level	Non-Cancer Risk	Significant?
467059.5	3783432.68	Highest Res. (Cresthaven)	HR - 21			0.06527	302	1	365	70	0.000001	25550	1.97E-05	1.1	21.68	YES	5	0.01305	No
		TKNI2		0.00010954	22.88247	0.00251													
		TKNI		0.00024527	17.99456	0.00441													
		TKSI2		8.9483E-05	22.80461	0.00204													
		TKSI		0.00019528	16.99102	0.00332													
		TKNO		0.000249451	19.4567	0.00485													
		TKNO2		0.000100428	23.59307	0.00237													
		TKSO		0.000200707	17.47715	0.00351													
		TKSO2		8.20394E-05	23.75176	0.00195													
		TKNIDL		7.26408E-05	10.07296	0.00073													
		TKSIDL		0.00034183	8.42888	0.00288													
		INQUE		0.000760278	21.94689	0.01669													
		OUTQUE		0.000760278	25.00338	0.01901													
		Sum			230.40345														
		All			234.00111														
467362.42	3784233.22	Palm Elementary School (SE)	9			0.00108	581	3	53.56875	9	0.000001	25550	3.56E-08	1.1	0.04	No	5	0.00022	No
		TKNI2		0.00010954	0.55437	0.00006													
		TKNI		0.00024527	0.28518	0.00007													
		TKSI2		8.9483E-05	0.55155	0.00005													
		TKSI		0.00019528	0.28183	0.00006													
		TKNO		0.000249451	0.27843	0.00007													
		TKNO2		0.000100428	0.55406	0.00006													
		TKSO		0.000200707	0.29457	0.00006													
		TKSO2		8.20394E-05	0.55803	0.00005													
		TKNIDL		7.26408E-05	0.26419	0.00002													
		TKSIDL		0.00034183	0.22103	0.00008													
		INQUE		0.000760278	0.34623	0.00026													
		OUTQUE		0.000760278	0.35742	0.00027													
		Sum			4.54689														
		All			4.49766														
467217.49	3784306.13	Palm Elementary School (NW	10			0.00046	581	3	53.56875	9	0.000001	25550	1.50E-08	1.1	0.02	No	5	0.00009	No
		TKNI2		0.00010954	0.22538	0.00002													
		TKNI		0.00024527	0.12839	0.00003													
		TKSI2		8.9483E-05	0.22415	0.00002													
		TKSI		0.00019528	0.12499	0.00002													
		TKNO		0.000249451	0.1259	0.00003													
		TKNO2		0.000100428	0.22319	0.00002													
		TKSO		0.000200707	0.12961	0.00003													
		TKSO2		8.20394E-05	0.2249	0.00002													
		TKNIDL		7.26408E-05	0.12179	0.00001													
		TKSIDL		0.00034183	0.10195	0.00003													
		INQUE		0.000760278	0.14201	0.00011													
		OUTQUE		0.000760278	0.15024	0.00011													
		Sum			1.9225														
		All			1.8905														
466642.02	3783205.37	Denny's Restaurant (SW)	11			0.27065	149	1	57.15	40	0.000001	25550	3.61E-06	1.1	3.97	No	5	0.05413	No
		TKNI2		0.00010954	129.92668	0.01423													
		TKNI		0.00024527	61.78836	0.01516													
		TKSI2		8.9483E-05	130.37358	0.01167													
		TKSI		0.00019528	56.66132	0.01107													
		TKNO		0.000249451	69.29366	0.01729													
		TKNO2		0.000100428	152.42543	0.01531													
		TKSO		0.000200707	61.0702	0.01226													
		TKSO2		8.20394E-05	154.77336	0.01270													
		TKNIDL		7.26408E-05	25.59857	0.00186													
		TKSIDL		0.00034183	16.55364	0.00566													
		INQUE		0.000760278	80.21645	0.06099													
		OUTQUE		0.000760278	107.6405	0.08184													
		Sum			1046.3218														
		All			1089.1563														

							Cancer Risk										Non-Cancer Index		
																Threshold			Threshold
																10			1
X	Y	Identification / Source	#	Emission Factor	Modeled µg/m³	Annual DPM (µg/m³)	Daily breathing rate (DBR) (L/kg bw-day)	A	Exposure frequency (EF) (days/year)	Exposure Duration (ED) (years)	Conversion factor ($1x10^{-6}$)	Averaging period (AT) (days)	Dose	Cancer Potency Value	Cancer Risk	Significant?	Reference Level	Non-Cancer Risk	Significant?
466659.44	3783231.51	Denny's Restaurant (NE)	12			0.20720	149	1	57.15	40	0.000001	25550	2.76E-06	1.1	3.04	No	5	0.04144	No
		TKNI2		0.00010954	119.22916	0.01306													
		TKNI		0.00024527	51.78181	0.01270													
		TKSI2		8.9483E-05	119.35562	0.01068													
		TKSI		0.00019528	40.49414	0.00791													
		TKNO		0.000249451	59.2793	0.01479													
		TKNO2		0.000100428	140.99535	0.01416													
		TKSO		0.000200707	45.64686	0.00916													
		TKSO2		8.20394E-05	144.53728	0.01186													
		TKNIDL		7.26408E-05	27.47165	0.00200													
		TKSIDL		0.00034183	13.31728	0.00455													
		INQUE		0.000760278	53.76187	0.04087													
		OUTQUE		0.000760278	78.12724	0.05940													
		Sum			893.99756														
		All			920.94879														
466673.38	3782950.95	Com. S. of Ind. Pkwy (NW)	13			0.21384	149	1	57.15	40	0.000001	25550	2.85E-06	1.1	3.14	No	5	0.04277	No
		TKNI2		0.00010954	24.24069	0.00266													
		TKNI		0.00024527	43.87678	0.01076													
		TKSI2		8.9483E-05	24.5063	0.00219													
		TKSI		0.00019528	102.18069	0.01995													
		TKNO		0.000249451	42.71042	0.01065													
		TKNO2		0.000100428	23.42212	0.00235													
		TKSO		0.000200707	95.96418	0.01926													
		TKSO2		8.20394E-05	23.14652	0.00190													
		TKNIDL		7.26408E-05	21.2385	0.00154													
		TKSIDL		0.00034183	72.98667	0.02495													
		INQUE		0.000760278	107.34277	0.08161													
		OUTQUE		0.000760278	83.56973	0.06354													
		Sum			665.18537														
		All			589.32434														
466715.20	3782914.36	Com. S. of Ind. Pkwy (NC)	14			0.15421	149	1	57.15	40	0.000001	25550	2.06E-06	1.1	2.26	No	5	0.03084	No
		TKNI2		0.00010954	17.36492	0.00190													
		TKNI		0.00024527	37.86168	0.00929													
		TKSI2		8.9483E-05	17.52541	0.00157													
		TKSI		0.00019528	83.47126	0.01630													
		TKNO		0.000249451	36.71092	0.00916													
		TKNO2		0.000100428	16.93676	0.00170													
		TKSO		0.000200707	78.40821	0.01574													
		TKSO2		8.20394E-05	16.74772	0.00137													
		TKNIDL		7.26408E-05	25.52473	0.00185													
		TKSIDL		0.00034183	108.71847	0.03716													
		INQUE		0.000760278	41.10344	0.03125													
		OUTQUE		0.000760278	44.78496	0.03405													
		Sum			525.15848														
		All			501.93771														
466757.03	3782867.31	Com. S. of Ind. Pkwy (NE)	15			0.12429	149	1	57.15	40	0.000001	25550	1.66E-06	1.1	1.82	No	5	0.02486	No
		TKNI2		0.00010954	12.89802	0.00141													
		TKNI		0.00024527	32.75826	0.00803													
		TKSI2		8.9483E-05	12.99722	0.00116													
		TKSI		0.00019528	69.50393	0.01357													
		TKNO		0.000249451	31.45776	0.00785													
		TKNO2		0.000100428	12.6622	0.00127													
		TKSO		0.000200707	64.12232	0.01287													
		TKSO2		8.20394E-05	12.53879	0.00103													
		TKNIDL		7.26408E-05	30.92106	0.00225													
		TKSIDL		0.00034183	119.53232	0.04086													
		INQUE		0.000760278	24.41501	0.01856													
		OUTQUE		0.000760278	24.62875	0.01872													
		Sum			448.43564														
		All			436.8335														

							Cancer Risk										Non-Cancer Index		
																Threshold			Threshold
																10			1
X	Y	Identification / Source	#	Emission Factor	Modeled µg/m³	Annual DPM (µg/m³)	Daily breathing rate (DBR) (L/kg bw-day)	A	Exposure frequency (EF) (days/year)	Exposure Duration (ED) (years)	Conversion factor ($1x10^{-6}$)	Averaging period (AT) (days)	Dose	Cancer Potency Value	Cancer Risk	Significant?	Reference Level	Non-Cancer Risk	Significant?
467011.45	3782724.41	Com. SW of Prop. (W. End)	16			0.04112	149	1	57.15	40	0.000001	25550	5.48E-07	1.1	0.60	No	5	0.00822	No
		TKNI2		0.00010954	5.41686	0.00059													
		TKNI		0.00024527	23.41629	0.00574													
		TKSI2		8.9483E-05	5.4419	0.00049													
		TKSI		0.00019528	14.49951	0.00283													
		TKNO		0.000249451	21.77598	0.00543													
		TKNO2		0.000100428	5.37171	0.00054													
		TKSO		0.000200707	14.19479	0.00285													
		TKSO2		8.20394E-05	5.33637	0.00044													
		TKNIDL		7.26408E-05	41.89589	0.00304													
		TKSIDL		0.00034183	24.24426	0.00829													
		INQUE		0.000760278	7.69315	0.00585													
		OUTQUE		0.000760278	7.49914	0.00570													
		Sum			176.78585														
		All			173.93884														
467100.32	3782740.10	Com. SW of Prop. (NW corner)	17			0.03438	149	1	57.15	40	0.000001	25550	4.58E-07	1.1	0.50	No	5	0.00688	No
		TKNI2		0.00010954	4.97379	0.00054													
		TKNI		0.00024527	20.40588	0.00501													
		TKSI2		8.9483E-05	4.99295	0.00045													
		TKSI		0.00019528	11.19745	0.00219													
		TKNO		0.000249451	19.13473	0.00477													
		TKNO2		0.000100428	4.95394	0.00050													
		TKSO		0.000200707	11.00307	0.00221													
		TKSO2		8.20394E-05	4.93109	0.00040													
		TKNIDL		7.26408E-05	35.65875	0.00259													
		TKSIDL		0.00034183	17.50429	0.00598													
		INQUE		0.000760278	6.76464	0.00514													
		OUTQUE		0.000760278	6.68658	0.00508													
		Sum			148.20716														
		All			146.1375														
467142.14	3782686.08	Com. SW of Prop. (N Center)	18			0.02497	149	1	57.15	40	0.000001	25550	3.33E-07	1.1	0.37	No	5	0.00499	No
		TKNI2		0.00010954	4.23391	0.00046													
		TKNI		0.00024527	12.39625	0.00304													
		TKSI2		8.9483E-05	4.24933	0.00038													
		TKSI		0.00019528	8.58459	0.00168													
		TKNO		0.000249451	11.8842	0.00296													
		TKNO2		0.000100428	4.2123	0.00042													
		TKSO		0.000200707	8.49633	0.00171													
		TKSO2		8.20394E-05	4.19118	0.00034													
		TKNIDL		7.26408E-05	19.45385	0.00141													
		TKSIDL		0.00034183	12.85758	0.00440													
		INQUE		0.000760278	5.66763	0.00431													
		OUTQUE		0.000760278	5.59262	0.00425													
		Sum			101.81977														
		All			100.23078														
467208.36	3782607.66	Com. SW of Prop. (NE)	19			0.01787	149	1	57.15	40	0.000001	25550	2.38E-07	1.1	0.26	No	5	0.00357	No
		TKNI2		0.00010954	3.4552	0.00038													
		TKNI		0.00024527	7.64657	0.00188													
		TKSI2		8.9483E-05	3.46662	0.00031													
		TKSI		0.00019528	6.30428	0.00123													
		TKNO		0.000249451	7.36796	0.00184													
		TKNO2		0.000100428	3.43553	0.00035													
		TKSO		0.000200707	6.24057	0.00125													
		TKSO2		8.20394E-05	3.41794	0.00028													
		TKNIDL		7.26408E-05	10.99329	0.00080													
		TKSIDL		0.00034183	8.90813	0.00305													
		INQUE		0.000760278	4.50557	0.00343													
		OUTQUE		0.000760278	4.44117	0.00338													
		Sum			70.18283														
		All			69.08645														

							Cancer Risk										Non-Cancer Index		
																Threshold			Threshold
																10			1
X	Y	Identification / Source	#	Emission Factor	Modeled µg/m³	Annual DPM (µg/m³)	Daily breathing rate (DBR) (L/kg bw-day)	A	Exposure frequency (EF) (days/year)	Exposure Duration (ED) (years)	Conversion factor ($1x10^{-6}$)	Averaging period (AT) (days)	Dose	Cancer Potency Value	Cancer Risk	Significant?	Reference Level	Non-Cancer Risk	Significant?
466927.06	3783025.77	Low onsite woker	20			0.02654	149	1	57.15	40	0.000001	25550	3.54E-07	1.1	0.39	No	5	0.00531	No
		TKNI2		0.00010954	1.71584	0.00019													
		TKNI		0.00024527	20.52061	0.00503													
		TKSI2		8.9483E-05	1.73573	0.00016													
		TKSI		0.00019528	7.82375	0.00153													
		TKNO		0.000249451	13.80649	0.00344													
		TKNO2		0.000100428	1.60898	0.00016													
		TKSO		0.000200707	8.66542	0.00174													
		TKSO2		8.20394E-05	1.58335	0.00013													
		TKNIDL		7.26408E-05	54.92157	0.00399													
		TKSIDL		0.00034183	16.92232	0.00578													
		INQUE		0.000760278	3.99316	0.00304													
		OUTQUE		0.000760278	2.99015	0.00227													
		Sum			136.28737														
		All			131.69818														
466671.19	3783138.50	Highest onsite/offsite worker	HP/HW - 23			0.59942	149	1	57.15	40	0.000001	25550	7.99E-06	1.1	8.79	No	5	0.11988	No
		TKNI2		0.00010954	86.53968	0.00948													
		TKNI		0.00024527	121.21253	0.02973													
		TKSI2		8.9483E-05	86.96378	0.00778													
		TKSI		0.00019528	130.75244	0.02553													
		TKNO		0.000249451	139.5205	0.03480													
		TKNO2		0.000100428	89.29046	0.00897													
		TKSO		0.000200707	139.97823	0.02809													
		TKSO2		8.20394E-05	85.53751	0.00702													
		TKNIDL		7.26408E-05	25.23108	0.00183													
		TKSIDL		0.00034183	26.09176	0.00892													
		INQUE		0.000760278	239.94218	0.18242													
		OUTQUE		0.000760278	257.95435	0.19612													
		Sum			1429.0145														
		All			1584.2155														
467061.69	3783934.5	Crestview Baptist Church	C - 22			0.00352	302	1	365	70	0.000001	25550	1.06E-06	1.1	1.17	No	5	0.00070	No
		TKNI2		0.00010954	2.01859	0.00022													
		TKNI		0.00024527	1.16571	0.00029													
		TKSI2		8.9483E-05	2.00353	0.00018													
		TKSI		0.00019528	0.87088	0.00017													
		TKNO		0.000249451	1.03786	0.00026													
		TKNO2		0.000100428	1.99692	0.00020													
		TKSO		0.000200707	0.95601	0.00019													
		TKSO2		8.20394E-05	2.01929	0.00017													
		TKNIDL		7.26408E-05	1.58877	0.00012													
		TKSIDL		0.00034183	0.8821	0.00030													
		INQUE		0.000760278	0.91329	0.00069													
		OUTQUE		0.000760278	1.03957	0.00079													
		Sum			16.49252														
		All			16.24628														

Palm Industrial Distribution Center
Health Risk Modeling Input
DPM - Reduction A: All Vehicle Model Years & DPM Filter

Traveling Vehicle Sources[1]	gr/mile[2] 2013-2083	meters/ trip[3]	miles/trip	# trips/ day[4]	g/s[5] 2013-2083	Red A[6] 8.80%	Factor (g/s) 2013-2083	Model Abbreviation
Inbound								
Onroad Trucks To entrance	0.0958	471.99	0.29	337	0.0001095	0.0000998995	**9.990E-05**	TKNI2
Onsite Entrance To North Docks	0.1427	709.46	0.44	337	0.0002453	0.0002236905	**2.237E-04**	TKNI
Onroad Trucks to Entrance	0.0958	471.99	0.29	275	0.0000895	0.0000816080	**8.161E-05**	TKSI2
Onsite Entrance to South Docks	0.1427	691.47	0.43	275	0.0001953	0.0001780995	**1.781E-04**	TKSI
Outbound								
Onsite North Docks to Exit	0.1427	721.54	0.45	337	0.0002495	0.0002274993	**2.275E-04**	TKNO
Onroad Exit to Freeway	0.0958	432.73	0.27	337	0.0001004	0.0000915899	**9.159E-05**	TKNO2
Onsite South Docks to Exit	0.1427	710.67	0.44	275	0.0002007	0.0001830448	**1.830E-04**	TKSO
Onroad Exit to Freeway	0.0958	432.73	0.27	275	0.0000820	0.0000748199	**7.482E-05**	TKSO2

1 Onsite routes are calculated from entrance to furthest loading dock bay for both the northern and southern sides of the building. Offsite routes are calculated from the truck entrance to the Northbound Freeway entrance/exit (furthest distance and therefore most conservative). Speed estimated for offsite trave is 20 mph based on distance available to travel between stops. Onsite speed approximated at 5 mph.

2 Grams/mile were determined using a weighted average EMFAC DPM emission rates based on a conservative assumption that 100% of the truck fleet is heavy duty trucks. Trucks represent 47% of total daily trips.

3 Meters per trip were determined based on the length of the road segment traveled or the distance traveled onsite.

4 Trips per day were based on 47% of the 1,303 daily trips (612 daily truck trips). Of the daily truck trips, 55.04% will go to the northern docks, and 44.96% will go to the southern docks (based on the number of loading docks on each side of the building (71 on the north and 58 on the south)).

5 Grams per second is determined by the following equation: ((gr/mile * miles/trip * trips/day) / sec/day the facility operates)

6 Reduction A: 11% of the truck fleet must be equipped with, or retrofitted to accommodate a diesel particulate filter with a 80% reduction rating or better.

Idling Source	g/h[1] 2013-2083	g/s 2013-2083	# vehicles/ day[2]	# sec/day idling[3]	g/s 2013-2083	Red A[4] 8.80%	Emission Factor (g/s) 2013-2083	Model Abbreviation
Idling at North Docks	0.2236	0.00006	337	300	7.26408E-05	0.0000662484	**6.625E-05**	TKNIDL
Idling at South Docks	0.2236	0.00006	275	300	5.93403E-05	0.0000541184	**5.412E-05**	TKSIDL
Idling at Truck Entrance	0.2236	0.00006	612	300	0.000131981	0.0001203668	**1.204E-04**	INQUE
Idling at Truck Exit	0.2236	0.00006	612	300	0.000131981	0.0001203668	**1.204E-04**	OUTQUE

1 Grams/hour were determined using average EMFAC DPM emission rates based on a 70 year averaging time. It assumes a 5 minute idling time for each truck. At the loading dock, 5 minutes idling along the entrance, and 5 minutes idling at the exit.

2 Trips per day were based on 47% of the 1,303 daily trips (612 daily truck trips). Of the daily truck trips, 55.04% will go to the northern docks, and 44.96% will go to the southern docks (based on the number of loading docks on each side of the building (71 on the north and 58 on the south)).

3 Seconds per day is determined by multiplying number of minutes allowed to idle by 60. 5 x 60 = 300

4 Reduction A: 11% of the truck fleet must be equipped with, or retrofitted to accommodate a diesel particulate filter with a 80% reduction rating or better.

Health Risk Assessment
DPM - Reduction A: All Vehicle Model Years & DPM Filter

Palm Industrial Distribution Center
August 2011

							Cancer Risk										Non-Cancer Index		
																Threshold			Threshold
																10			1
X	Y	Identification / Source	#	Emission Factor	Modeled µg/m³	Annual DPM (µg/m³)	Daily breathing rate (DBR) (L/kg bw-day)	A	Exposure frequency (EF) (days/year)	Exposure Duration (ED) (years)	Conversion factor ($1x10^{-6}$)	Averaging period (AT) (days)	Dose	Cancer Potency Value	Cancer Risk	Significant?	Reference Level	Non-Cancer Risk	Significant?
466985.39	3783465.92	Cresthaven Complex	1			0.02925	302	1	365	70	0.000001	25550	8.83E-06	1.1	9.72	No	5	0.00585	No
		TKNI2		9.99E-05	28.70445	0.00287													
		TKNI		0.00022369	15.39876	0.00344													
		TKSI2		8.1608E-05	28.40923	0.00232													
		TKSI		0.0001781	14.72073	0.00262													
		TKNO		0.0002275	16.63919	0.00379													
		TKNO2		9.159E-05	29.80008	0.00273													
		TKSO		0.00018304	15.24289	0.00279													
		TKSO2		7.482E-05	30.21929	0.00226													
		TKNIDL		6.6248E-05	9.03181	0.00060													
		TKSIDL		5.4118E-05	7.49522	0.00041													
		INQUE		0.00012037	19.47427	0.00234													
		OUTQUE		0.00012037	21.8905	0.00263													
		Sum			237.02642														
		All			240.68687														
466738.53	3783613.31	Verdmont Ranch Road	2			0.01397	302	1	365	70	0.000001	25550	4.22E-06	1.1	4.64	No	5	0.00279	No
		TKNI2		9.99E-05	13.73025	0.00137													
		TKNI		0.00022369	8.08827	0.00181													
		TKSI2		8.1608E-05	13.71995	0.00112													
		TKSI		0.0001781	7.31512	0.00130													
		TKNO		0.000227499	8.21637	0.00187													
		TKNO2		9.15899E-05	13.67608	0.00125													
		TKSO		0.000183045	7.40732	0.00136													
		TKSO2		7.48199E-05	13.7224	0.00103													
		TKNIDL		6.62484E-05	6.16711	0.00041													
		TKSIDL		5.41184E-05	5.24403	0.00028													
		INQUE		0.000120367	8.67677	0.00104													
		OUTQUE		0.000120367	9.22276	0.00111													
		Sum			115.18643														
		All			115.33218														
467235.09	3783360.77	Olive Avenue	3			0.02444	302	1	365	70	0.000001	25550	7.38E-06	1.1	8.12	No	5	0.00489	No
		TKNI2		9.99E-05	12.75265	0.00127													
		TKNI		0.00022369	18.81326	0.00421													
		TKSI2		8.1608E-05	12.77872	0.00104													
		TKSI		0.0001781	15.21891	0.00271													
		TKNO		0.000227499	19.55321	0.00445													
		TKNO2		9.15899E-05	12.88205	0.00118													
		TKSO		0.000183045	15.31916	0.00280													
		TKSO2		7.48199E-05	12.82069	0.00096													
		TKNIDL		6.62484E-05	15.60096	0.00103													
		TKSIDL		5.41184E-05	11.23641	0.00061													
		INQUE		0.000120367	16.76002	0.00202													
		OUTQUE		0.000120367	18.42645	0.00222													
		Sum			182.16249														
		All			181.66435														
467411.01	3783284.16	Norma Lane	4			0.01793	302	1	365	70	0.000001	25550	5.41E-06	1.1	5.96	No	5	0.00359	No
		TKNI2		9.99E-05	7.28876	0.00073													
		TKNI		0.00022369	15.72647	0.00352													
		TKSI2		8.1608E-05	7.31767	0.00060													
		TKSI		0.0001781	11.27184	0.00201													
		TKNO		0.000227499	15.82251	0.00360													
		TKNO2		9.15899E-05	7.28247	0.00067													
		TKSO		0.000183045	11.21044	0.00205													
		TKSO2		7.48199E-05	7.24722	0.00054													
		TKNIDL		6.62484E-05	19.15788	0.00127													
		TKSIDL		5.41184E-05	12.16161	0.00066													
		INQUE		0.000120367	10.18642	0.00123													
		OUTQUE		0.000120367	10.5483	0.00127													
		Sum			135.22159														
		All			133.67656														

							Cancer Risk										Non-Cancer Index		
																Threshold			Threshold
																10			1
X	Y	Identification / Source	#	Emission Factor	Modeled µg/m³	Annual DPM (µg/m³)	Daily breathing rate (DBR) (L/kg bw-day)	A	Exposure frequency (EF) (days/year)	Exposure Duration (ED) (years)	Conversion factor ($1x10^{-6}$)	Averaging period (AT) (days)	Dose	Cancer Potency Value	Cancer Risk	Significant?	Reference Level	Non-Cancer Risk	Significant?
467507.81	3783062.84	W. White Pine Avenue (West End	5			0.01202	302	1	365	70	0.000001	25550	3.63E-06	1.1	3.99	No	5	0.00240	No
		TKNI2		9.99E-05	3.90018	0.00039													
		TKNI		0.00022369	11.44605	0.00256													
		TKSI2		8.1608E-05	3.91593	0.00032													
		TKSI		0.0001781	7.59402	0.00135													
		TKNO		0.000227499	11.08322	0.00252													
		TKNO2		9.15899E-05	3.86993	0.00035													
		TKSO		0.000183045	7.53822	0.00138													
		TKSO2		7.48199E-05	3.84816	0.00029													
		TKNIDL		6.62484E-05	17.6934	0.00117													
		TKSIDL		5.41184E-05	10.91378	0.00059													
		INQUE		0.000120367	5.35529	0.00064													
		OUTQUE		0.000120367	5.24688	0.00063													
		Sum			92.40506														
		All			90.99689														
467564.23	3782963.53	W. White Pine Avenue (South)	6			0.00855	302	1	365	70	0.000001	25550	2.58E-06	1.1	2.84	No	5	0.00171	No
		TKNI2		9.99E-05	3.19054	0.00032													
		TKNI		0.00022369	7.51942	0.00168													
		TKSI2		8.1608E-05	3.20033	0.00026													
		TKSI		0.0001781	5.79918	0.00103													
		TKNO		0.000227499	7.23453	0.00165													
		TKNO2		9.15899E-05	3.17896	0.00029													
		TKSO		0.000183045	5.7188	0.00105													
		TKSO2		7.48199E-05	3.17046	0.00024													
		TKNIDL		6.62484E-05	11.22306	0.00074													
		TKSIDL		5.41184E-05	8.2915	0.00045													
		INQUE		0.000120367	4.06731	0.00049													
		OUTQUE		0.000120367	3.97464	0.00048													
		Sum			66.56873														
		All			65.60145														
467496.13	3782861.38	Rito Ct (West End)	7			0.00789	302	1	365	70	0.000001	25550	2.38E-06	1.1	2.62	No	5	0.00158	No
		TKNI2		9.99E-05	3.06425	0.00031													
		TKNI		0.00022369	6.77865	0.00152													
		TKSI2		8.1608E-05	3.07029	0.00025													
		TKSI		0.0001781	5.42861	0.00097													
		TKNO		0.000227499	6.54365	0.00149													
		TKNO2		9.15899E-05	3.062	0.00028													
		TKSO		0.000183045	5.36723	0.00098													
		TKSO2		7.48199E-05	3.05763	0.00023													
		TKNIDL		6.62484E-05	9.82264	0.00065													
		TKSIDL		5.41184E-05	7.74024	0.00042													
		INQUE		0.000120367	3.78634	0.00046													
		OUTQUE		0.000120367	3.79488	0.00046													
		Sum			61.51641														
		All			60.68198														
467504.65	3782798.95	Rito Ct (South)	8			0.00699	302	1	365	70	0.000001	25550	2.11E-06	1.1	2.32	No	5	0.00140	No
		TKNI2		9.99E-05	2.86378	0.00029													
		TKNI		0.00022369	5.91613	0.00132													
		TKSI2		8.1608E-05	2.86858	0.00023													
		TKSI		0.0001781	4.75492	0.00085													
		TKNO		0.000227499	5.75958	0.00131													
		TKNO2		9.15899E-05	2.86478	0.00026													
		TKSO		0.000183045	4.70614	0.00086													
		TKSO2		7.48199E-05	2.86155	0.00021													
		TKNIDL		6.62484E-05	8.25123	0.00055													
		TKSIDL		5.41184E-05	6.48703	0.00035													
		INQUE		0.000120367	3.48126	0.00042													
		OUTQUE		0.000120367	3.53191	0.00043													
		Sum			54.34689														
		All			53.65346														

							Cancer Risk										Non-Cancer Index		
																Threshold			Threshold
																10			1
X	Y	Identification / Source	#	Emission Factor	Modeled µg/m³	Annual DPM (µg/m³)	Daily breathing rate (DBR) (L/kg bw-day)	A	Exposure frequency (EF) (days/year)	Exposure Duration (ED) (years)	Conversion factor ($1x10^{-6}$)	Averaging period (AT) (days)	Dose	Cancer Potency Value	Cancer Risk	Significant?	Reference Level	Non-Cancer Risk	Significant?
467059.5	3783432.68	Highest Res. (Cresthaven)	HR - 21			0.03000	302	1	365	70	0.000001	25550	9.06E-06	1.1	9.97	No	5	0.00600	No
		TKNI2		9.99E-05	22.88247	0.00229													
		TKNI		0.00022369	17.99456	0.00403													
		TKSI2		8.1608E-05	22.80461	0.00186													
		TKSI		0.0001781	16.99102	0.00303													
		TKNO		0.000227499	19.4567	0.00443													
		TKNO2		9.15899E-05	23.59307	0.00216													
		TKSO		0.000183045	17.47715	0.00320													
		TKSO2		7.48199E-05	23.75176	0.00178													
		TKNIDL		6.62484E-05	10.07296	0.00067													
		TKSIDL		5.41184E-05	8.42888	0.00046													
		INQUE		0.000120367	21.94689	0.00264													
		OUTQUE		0.000120367	25.00338	0.00301													
		Sum			230.40345														
		All			234.00111														
467362.42	3784233.22	Palm Elementary School (SE)	9			0.00053	581	3	53.56875	9	0.000001	25550	1.75E-08	1.1	0.02	No	5	0.00011	No
		TKNI2		9.99E-05	0.55437	0.00006													
		TKNI		0.00022369	0.28518	0.00006													
		TKSI2		8.1608E-05	0.55155	0.00005													
		TKSI		0.0001781	0.28183	0.00005													
		TKNO		0.000227499	0.27843	0.00006													
		TKNO2		9.15899E-05	0.55406	0.00005													
		TKSO		0.000183045	0.29457	0.00005													
		TKSO2		7.48199E-05	0.55803	0.00004													
		TKNIDL		6.62484E-05	0.26419	0.00002													
		TKSIDL		5.41184E-05	0.22103	0.00001													
		INQUE		0.000120367	0.34623	0.00004													
		OUTQUE		0.000120367	0.35742	0.00004													
		Sum			4.54689														
		All			4.49766														
467217.49	3784306.13	Palm Elementary School (NW)	10			0.00023	581	3	53.56875	9	0.000001	25550	7.44E-09	1.1	0.01	No	5	0.00005	No
		TKNI2		9.99E-05	0.22538	0.00002													
		TKNI		0.00022369	0.12839	0.00003													
		TKSI2		8.1608E-05	0.22415	0.00002													
		TKSI		0.0001781	0.12499	0.00002													
		TKNO		0.000227499	0.1259	0.00003													
		TKNO2		9.15899E-05	0.22319	0.00002													
		TKSO		0.000183045	0.12961	0.00002													
		TKSO2		7.48199E-05	0.2249	0.00002													
		TKNIDL		6.62484E-05	0.12179	0.00001													
		TKSIDL		5.41184E-05	0.10195	0.00001													
		INQUE		0.000120367	0.14201	0.00002													
		OUTQUE		0.000120367	0.15024	0.00002													
		Sum			1.9225														
		All			1.8905														
466642.02	3783205.37	Denny's Restaurant (SW)	11			0.13035	149	1	57.15	40	0.000001	25550	1.74E-06	1.1	1.91	No	5	0.02607	No
		TKNI2		9.99E-05	129.92668	0.01298													
		TKNI		0.00022369	61.78836	0.01382													
		TKSI2		8.1608E-05	130.37358	0.01064													
		TKSI		0.0001781	56.66132	0.01009													
		TKNO		0.000227499	69.29366	0.01576													
		TKNO2		9.15899E-05	152.42543	0.01396													
		TKSO		0.000183045	61.0702	0.01118													
		TKSO2		7.48199E-05	154.77336	0.01158													
		TKNIDL		6.62484E-05	25.59857	0.00170													
		TKSIDL		5.41184E-05	16.55364	0.00090													
		INQUE		0.000120367	80.21645	0.00966													
		OUTQUE		0.000120367	107.6405	0.01296													
		Sum			1046.3218														
		All			1089.1563														

							Cancer Risk										Non-Cancer Index		
																Threshold			Threshold
																10			1
X	Y	Identification / Source	#	Emission Factor	Modeled µg/m³	Annual DPM (µg/m³)	Daily breathing rate (DBR) (L/kg bw-day)	A	Exposure frequency (EF) (days/year)	Exposure Duration (ED) (years)	Conversion factor ($1x10^{-6}$)	Averaging period (AT) (days)	Dose	Cancer Potency Value	Cancer Risk	Significant?	Reference Level	Non-Cancer Risk	Significant?
466659.44	3783231.51	Denny's Restaurant (NE)	12			0.10758	149	1	57.15	40	0.000001	25550	1.43E-06	1.1	1.58	No	5	0.02152	No
		TKNI2		9.99E-05	119.22916	0.01191													
		TKNI		0.00022369	51.78181	0.01158													
		TKSI2		8.1608E-05	119.35562	0.00974													
		TKSI		0.0001781	40.49414	0.00721													
		TKNO		0.000227499	59.2793	0.01349													
		TKNO2		9.15899E-05	140.99535	0.01291													
		TKSO		0.000183045	45.64686	0.00836													
		TKSO2		7.48199E-05	144.53728	0.01081													
		TKNIDL		6.62484E-05	27.47165	0.00182													
		TKSIDL		5.41184E-05	13.31728	0.00072													
		INQUE		0.000120367	53.76187	0.00647													
		OUTQUE		0.000120367	78.12724	0.00940													
		Sum			893.99756														
		All			920.94879														
466673.38	3782950.95	Com. S. of Ind. Pkwy (NW)	13			0.08145	149	1	57.15	40	0.000001	25550	1.09E-06	1.1	1.19	No	5	0.01629	No
		TKNI2		9.99E-05	24.24069	0.00242													
		TKNI		0.00022369	43.87678	0.00981													
		TKSI2		8.1608E-05	24.5063	0.00200													
		TKSI		0.0001781	102.18069	0.01820													
		TKNO		0.000227499	42.71042	0.00972													
		TKNO2		9.15899E-05	23.42212	0.00215													
		TKSO		0.000183045	95.96418	0.01757													
		TKSO2		7.48199E-05	23.14652	0.00173													
		TKNIDL		6.62484E-05	21.2385	0.00141													
		TKSIDL		5.41184E-05	72.98667	0.00395													
		INQUE		0.000120367	107.34277	0.01292													
		OUTQUE		0.000120367	83.56973	0.01006													
		Sum			665.18537														
		All			589.32434														
466715.20	3782914.36	Com. S. of Ind. Pkwy (NC)	14			0.06683	149	1	57.15	40	0.000001	25550	8.91E-07	1.1	0.98	No	5	0.01337	No
		TKNI2		9.99E-05	17.36492	0.00173													
		TKNI		0.00022369	37.86168	0.00847													
		TKSI2		8.1608E-05	17.52541	0.00143													
		TKSI		0.0001781	83.47126	0.01487													
		TKNO		0.000227499	36.71092	0.00835													
		TKNO2		9.15899E-05	16.93676	0.00155													
		TKSO		0.000183045	78.40821	0.01435													
		TKSO2		7.48199E-05	16.74772	0.00125													
		TKNIDL		6.62484E-05	25.52473	0.00169													
		TKSIDL		5.41184E-05	108.71847	0.00588													
		INQUE		0.000120367	41.10344	0.00495													
		OUTQUE		0.000120367	44.78496	0.00539													
		Sum			525.15848														
		All			501.93771														
466757.03	3782867.31	Com. S. of Ind. Pkwy (NE)	15			0.05598	149	1	57.15	40	0.000001	25550	7.46E-07	1.1	0.82	No	5	0.01120	No
		TKNI2		9.99E-05	12.89802	0.00129													
		TKNI		0.00022369	32.75826	0.00733													
		TKSI2		8.1608E-05	12.99722	0.00106													
		TKSI		0.0001781	69.50393	0.01238													
		TKNO		0.000227499	31.45776	0.00716													
		TKNO2		9.15899E-05	12.6622	0.00116													
		TKSO		0.000183045	64.12232	0.01174													
		TKSO2		7.48199E-05	12.53879	0.00094													
		TKNIDL		6.62484E-05	30.92106	0.00205													
		TKSIDL		5.41184E-05	119.53232	0.00647													
		INQUE		0.000120367	24.41501	0.00294													
		OUTQUE		0.000120367	24.62875	0.00296													
		Sum			448.43564														
		All			436.8335														

							Cancer Risk										Non-Cancer Index		
																Threshold			Threshold
																10			1
X	Y	Identification / Source	#	Emission Factor	Modeled µg/m³	Annual DPM (µg/m³)	Daily breathing rate (DBR) (L/kg bw-day)	A	Exposure frequency (EF) (days/year)	Exposure Duration (ED) (years)	Conversion factor ($1x10^{-6}$)	Averaging period (AT) (days)	Dose	Cancer Potency Value	Cancer Risk	Significant?	Reference Level	Non-Cancer Risk	Significant?
467011.45	3782724.41	Com. SW of Prop. (W. End)	16			0.02279	149	1	57.15	40	0.000001	25550	3.04E-07	1.1	0.33	No	5	0.00456	No
		TKNI2		9.99E-05	5.41686	0.00054													
		TKNI		0.00022369	23.41629	0.00524													
		TKSI2		8.1608E-05	5.4419	0.00044													
		TKSI		0.0001781	14.49951	0.00258													
		TKNO		0.000227499	21.77598	0.00495													
		TKNO2		9.15899E-05	5.37171	0.00049													
		TKSO		0.000183045	14.19479	0.00260													
		TKSO2		7.48199E-05	5.33637	0.00040													
		TKNIDL		6.62484E-05	41.89589	0.00278													
		TKSIDL		5.41184E-05	24.24426	0.00131													
		INQUE		0.000120367	7.69315	0.00093													
		OUTQUE		0.000120367	7.49914	0.00090													
		Sum			176.78585														
		All			173.93884														
467100.32	3782740.10	Com. SW of Prop. (NW corner)	17			0.01931	149	1	57.15	40	0.000001	25550	2.57E-07	1.1	0.28	No	5	0.00386	No
		TKNI2		9.99E-05	4.97379	0.00050													
		TKNI		0.00022369	20.40588	0.00456													
		TKSI2		8.1608E-05	4.99295	0.00041													
		TKSI		0.0001781	11.19745	0.00199													
		TKNO		0.000227499	19.13473	0.00435													
		TKNO2		9.15899E-05	4.95394	0.00045													
		TKSO		0.000183045	11.00307	0.00201													
		TKSO2		7.48199E-05	4.93109	0.00037													
		TKNIDL		6.62484E-05	35.65875	0.00236													
		TKSIDL		5.41184E-05	17.50429	0.00095													
		INQUE		0.000120367	6.76464	0.00081													
		OUTQUE		0.000120367	6.68658	0.00080													
		Sum			148.20716														
		All			146.1375														
467142.14	3782686.08	Com. SW of Prop. (N Center)	18			0.01316	149	1	57.15	40	0.000001	25550	1.75E-07	1.1	0.19	No	5	0.00263	No
		TKNI2		9.99E-05	4.23391	0.00042													
		TKNI		0.00022369	12.39625	0.00277													
		TKSI2		8.1608E-05	4.24933	0.00035													
		TKSI		0.0001781	8.58459	0.00153													
		TKNO		0.000227499	11.8842	0.00270													
		TKNO2		9.15899E-05	4.2123	0.00039													
		TKSO		0.000183045	8.49633	0.00156													
		TKSO2		7.48199E-05	4.19118	0.00031													
		TKNIDL		6.62484E-05	19.45385	0.00129													
		TKSIDL		5.41184E-05	12.85758	0.00070													
		INQUE		0.000120367	5.66763	0.00068													
		OUTQUE		0.000120367	5.59262	0.00067													
		Sum			101.81977														
		All			100.23078														
467208.36	3782607.66	Com. SW of Prop. (NE)	19			0.00899	149	1	57.15	40	0.000001	25550	1.20E-07	1.1	0.13	No	5	0.00180	No
		TKNI2		9.99E-05	3.4552	0.00035													
		TKNI		0.00022369	7.64657	0.00171													
		TKSI2		8.1608E-05	3.46662	0.00028													
		TKSI		0.0001781	6.30428	0.00112													
		TKNO		0.000227499	7.36796	0.00168													
		TKNO2		9.15899E-05	3.43553	0.00031													
		TKSO		0.000183045	6.24057	0.00114													
		TKSO2		7.48199E-05	3.41794	0.00026													
		TKNIDL		6.62484E-05	10.99329	0.00073													
		TKSIDL		5.41184E-05	8.90813	0.00048													
		INQUE		0.000120367	4.50557	0.00054													
		OUTQUE		0.000120367	4.44117	0.00053													
		Sum			70.18283														
		All			69.08645														

							Cancer Risk										Non-Cancer Index		
																Threshold			Threshold
																10			1
X	Y	Identification / Source	#	Emission Factor	Modeled µg/m³	Annual DPM (µg/m³)	Daily breathing rate (DBR) (L/kg bw-day)	A	Exposure frequency (EF) (days/year)	Exposure Duration (ED) (years)	Conversion factor ($1x10^{-6}$)	Averaging period (AT) (days)	Dose	Cancer Potency Value	Cancer Risk	Significant?	Reference Level	Non-Cancer Risk	Significant?
466927.06	3783025.77	Low onsite woker	20			0.01612	149	1	57.15	40	0.000001	25550	2.15E-07	1.1	0.24	No	5	0.00322	No
		TKNI2		9.99E-05	1.71584	0.00017													
		TKNI		0.00022369	20.52061	0.00459													
		TKSI2		8.1608E-05	1.73573	0.00014													
		TKSI		0.0001781	7.82375	0.00139													
		TKNO		0.000227499	13.80649	0.00314													
		TKNO2		9.15899E-05	1.60898	0.00015													
		TKSO		0.000183045	8.66542	0.00159													
		TKSO2		7.48199E-05	1.58335	0.00012													
		TKNIDL		6.62484E-05	54.92157	0.00364													
		TKSIDL		5.41184E-05	16.92232	0.00092													
		INQUE		0.000120367	3.99316	0.00048													
		OUTQUE		0.000120367	2.99015	0.00036													
		Sum			136.28737														
		All			131.69818														
466671.19	3783138.50	Highest onsite/offsite worker	HP/HW - 23			0.22294	149	1	57.15	40	0.000001	25550	2.97E-06	1.1	3.27	No	5	0.04459	No
		TKNI2		9.99E-05	86.53968	0.00865													
		TKNI		0.00022369	121.21253	0.02711													
		TKSI2		8.1608E-05	86.96378	0.00710													
		TKSI		0.0001781	130.75244	0.02329													
		TKNO		0.000227499	139.5205	0.03174													
		TKNO2		9.15899E-05	89.29046	0.00818													
		TKSO		0.000183045	139.97823	0.02562													
		TKSO2		7.48199E-05	85.53751	0.00640													
		TKNIDL		6.62484E-05	25.23108	0.00167													
		TKSIDL		5.41184E-05	26.09176	0.00141													
		INQUE		0.000120367	239.94218	0.02888													
		OUTQUE		0.000120367	257.95435	0.03105													
		Sum			1429.0145														
		All			1584.2155														
467061.69	3783934.5	Crestview Baptist Church	C - 22			0.00189	302	1	365	70	0.000001	25550	5.69E-07	1.1	0.63	No	5	0.00038	No
		TKNI2		9.99E-05	2.01859	0.00020													
		TKNI		0.00022369	1.16571	0.00026													
		TKSI2		8.1608E-05	2.00353	0.00016													
		TKSI		0.0001781	0.87088	0.00016													
		TKNO		0.000227499	1.03786	0.00024													
		TKNO2		9.15899E-05	1.99692	0.00018													
		TKSO		0.000183045	0.95601	0.00017													
		TKSO2		7.48199E-05	2.01929	0.00015													
		TKNIDL		6.62484E-05	1.58877	0.00011													
		TKSIDL		5.41184E-05	0.8821	0.00005													
		INQUE		0.000120367	0.91329	0.00011													
		OUTQUE		0.000120367	1.03957	0.00013													
		Sum			16.49252														
		All			16.24628														

Palm Industrial Distribution Center
Health Risk Modeling Input
DPM - Reduction B: All Vehicle Model Years & Smart Way Program

Traveling Vehicle Sources[1]	gr/mile[2] 2013-2083	meters/ trip[3]	miles/trip	# trips/ day[4]	g/s[5] 2013-2083	Red A[6] 8.62%	Factor (g/s) 2013-2083	Model Abbreviation
Inbound								
Onroad Trucks To entrance	0.0958	471.99	0.29	337	0.0001095	0.0001000970	**1.001E-04**	TKNI2
Onsite Entrance To North Docks	0.1427	709.46	0.44	337	0.0002453	0.0002241327	**2.241E-04**	TKNI
Onroad Trucks to Entrance	0.0958	471.99	0.29	275	0.0000895	0.0000817694	**8.177E-05**	TKSI2
Onsite Entrance to South Docks	0.1427	691.47	0.43	275	0.0001953	0.0001784516	**1.785E-04**	TKSI
Outbound								
Onsite North Docks to Exit	0.1427	721.54	0.45	337	0.0002495	0.0002279490	**2.279E-04**	TKNO
Onroad Exit to Freeway	0.0958	432.73	0.27	337	0.0001004	0.0000917709	**9.177E-05**	TKNO2
Onsite South Docks to Exit	0.1427	710.67	0.44	275	0.0002007	0.0001834066	**1.834E-04**	TKSO
Onroad Exit to Freeway	0.0958	432.73	0.27	275	0.0000820	0.0000749678	**7.497E-05**	TKSO2

1 Onsite routes are calculated from entrance to furthest loading dock bay for both the northern and southern sides of the building. Offsite routes are calculated from the truck entrance to the Northbound Freeway entrance/exit (furthest distance and therefo

2 Grams/mile were determined using a weighted average EMFAC DPM emission rates based on a conservative assumption that 100% of the truck fleet is heavy duty trucks. Trucks represent 47% of total daily trips.

3 Meters per trip were determined based on the length of the road segment traveled or the distance traveled onsite.

4 Trips per day were based on 47% of the 1,303 daily trips (612 daily truck trips). Of the daily truck trips, 55.04% will go to the northern docks, and 44.96% will go to the southern docks (based on the number of loading docks on each side of the building

5 Grams per second is determined by the following equation: ((gr/mile * miles/trip * trips/day) / sec/day the facility operates)

6 Reduction B: 90% of all truck trips shall be charried by Smart Way 1.0 or greater carriers within 3 years of project Start-up, meeting the minimum requirements of a 10% increased fuel efficiency.

Idling Source	g/h[1] 2013-2083	g/s 2013-2083	# vehicles/ day[2]	# sec/day idling[3]	g/s 2013-2083	Red A[4] 8.62%	Emission Factor (g/s) 2013-2083	Model Abbreviation
Idling at North Docks	0.2236	0.00006	337	300	7.26408E-05	0.0000663793	**6.638E-05**	TKNIDL
Idling at South Docks	0.2236	0.00006	275	300	5.93403E-05	0.0000542254	**5.423E-05**	TKSIDL
Idling at Truck Entrance	0.2236	0.00006	612	300	0.000131981	0.0001206047	**1.206E-04**	INQUE
Idling at Truck Exit	0.2236	0.00006	612	300	0.000131981	0.0001206047	**1.206E-04**	OUTQUE

1 Grams/hour were determined using average EMFAC DPM emission rates based on a 70 year averaging time. It assumes a 5 minute idling time for each truck. At the loading dock, 5 minutes idling along the entrance, and 5 minutes idling at the exit.

2 Trips per day were based on 47% of the 1,303 daily trips (612 daily truck trips). Of the daily truck trips, 55.04% will go to the northern docks, and 44.96% will go to the southern docks (based on the number of loading docks on each side of the building

3 Seconds per day is determined by multiplying number of minutes allowed to idle by 60. 5 x 60 = 300

4 Reduction B: 90% of all truck trips shall be charried by Smart Way 1.0 or greater carriers within 3 years of project Start-up, meeting the minimum requirements of a 10% increased fuel efficiency.

							Cancer Risk										Non-Cancer Index		
																Threshold			Threshold
																10			1
X	Y	Identification / Source	#	Emission Factor	Modeled µg/m³	Annual DPM (µg/m³)	Daily breathing rate (DBR) (L/kg bw-day)	A	Exposure frequency (EF) (days/year)	Exposure Duration (ED) (years)	Conversion factor ($1x10^{-6}$)	Averaging period (AT) (days)	Dose	Cancer Potency Value	Cancer Risk	Significant?	Reference Level	Non-Cancer Risk	Significant?
466985.39	3783465.92	Cresthaven Complex	1			0.02930	302	1	365	70	0.000001	25550	8.85E-06	1.1	9.73	No	5	0.00586	No
		TKNI2		0.0001001	28.70445	0.00287													
		TKNI		0.00022413	15.39876	0.00345													
		TKSI2		8.1769E-05	28.40923	0.00232													
		TKSI		0.00017845	14.72073	0.00263													
		TKNO		0.00022795	16.63919	0.00379													
		TKNO2		9.1771E-05	29.80008	0.00273													
		TKSO		0.00018341	15.24289	0.00280													
		TKSO2		7.4968E-05	30.21929	0.00227													
		TKNIDL		6.6379E-05	9.03181	0.00060													
		TKSIDL		5.4225E-05	7.49522	0.00041													
		INQUE		0.0001206	19.47427	0.00235													
		OUTQUE		0.0001206	21.8905	0.00264													
		Sum			237.02642														
		All			240.68687														
466738.53	3783613.31	Verdmont Ranch Road	2			0.01400	302	1	365	70	0.000001	25550	4.23E-06	1.1	4.65	No	5	0.00280	No
		TKNI2		0.0001001	13.73025	0.00137													
		TKNI		0.00022413	8.08827	0.00181													
		TKSI2		8.1769E-05	13.71995	0.00112													
		TKSI		0.00017845	7.31512	0.00131													
		TKNO		0.000227949	8.21637	0.00187													
		TKNO2		9.17709E-05	13.67608	0.00126													
		TKSO		0.000183407	7.40732	0.00136													
		TKSO2		7.49678E-05	13.7224	0.00103													
		TKNIDL		6.63793E-05	6.16711	0.00041													
		TKSIDL		5.42254E-05	5.24403	0.00028													
		INQUE		0.000120605	8.67677	0.00105													
		OUTQUE		0.000120605	9.22276	0.00111													
		Sum			115.18643														
		All			115.33218														
467235.09	3783360.77	Olive Avenue	3			0.02449	302	1	365	70	0.000001	25550	7.39E-06	1.1	8.13	No	5	0.00490	No
		TKNI2		0.0001001	12.75265	0.00128													
		TKNI		0.00022413	18.81326	0.00422													
		TKSI2		8.1769E-05	12.77872	0.00104													
		TKSI		0.00017845	15.21891	0.00272													
		TKNO		0.000227949	19.55321	0.00446													
		TKNO2		9.17709E-05	12.88205	0.00118													
		TKSO		0.000183407	15.31916	0.00281													
		TKSO2		7.49678E-05	12.82069	0.00096													
		TKNIDL		6.63793E-05	15.60096	0.00104													
		TKSIDL		5.42254E-05	11.23641	0.00061													
		INQUE		0.000120605	16.76002	0.00202													
		OUTQUE		0.000120605	18.42645	0.00222													
		Sum			182.16249														
		All			181.66435														
467411.01	3783284.16	Norma Lane	4			0.01796	302	1	365	70	0.000001	25550	5.42E-06	1.1	5.97	No	5	0.00359	No
		TKNI2		0.0001001	7.28876	0.00073													
		TKNI		0.00022413	15.72647	0.00352													
		TKSI2		8.1769E-05	7.31767	0.00060													
		TKSI		0.00017845	11.27184	0.00201													
		TKNO		0.000227949	15.82251	0.00361													
		TKNO2		9.17709E-05	7.28247	0.00067													
		TKSO		0.000183407	11.21044	0.00206													
		TKSO2		7.49678E-05	7.24722	0.00054													
		TKNIDL		6.63793E-05	19.15788	0.00127													
		TKSIDL		5.42254E-05	12.16161	0.00066													
		INQUE		0.000120605	10.18642	0.00123													
		OUTQUE		0.000120605	10.5483	0.00127													
		Sum			135.22159														
		All			133.67656														

							Cancer Risk										Non-Cancer Index		
																Threshold			Threshold
																10			1
X	Y	Identification / Source	#	Emission Factor	Modeled µg/m³	Annual DPM (µg/m³)	Daily breathing rate (DBR) (L/kg bw-day)	A	Exposure frequency (EF) (days/year)	Exposure Duration (ED) (years)	Conversion factor ($1x10^{-6}$)	Averaging period (AT) (days)	Dose	Cancer Potency Value	Cancer Risk	Significant?	Reference Level	Non-Cancer Risk	Significant?
467507.81	3783062.84	W. White Pine Avenue (West End	5			0.01204	302	1	365	70	0.000001	25550	3.64E-06	1.1	4.00	No	5	0.00241	No
		TKNI2		0.0001001	3.90018	0.00039													
		TKNI		0.00022413	11.44605	0.00257													
		TKSI2		8.1769E-05	3.91593	0.00032													
		TKSI		0.00017845	7.59402	0.00136													
		TKNO		0.000227949	11.08322	0.00253													
		TKNO2		9.17709E-05	3.86993	0.00036													
		TKSO		0.000183407	7.53822	0.00138													
		TKSO2		7.49678E-05	3.84816	0.00029													
		TKNIDL		6.63793E-05	17.6934	0.00117													
		TKSIDL		5.42254E-05	10.91378	0.00059													
		INQUE		0.000120605	5.35529	0.00065													
		OUTQUE		0.000120605	5.24688	0.00063													
		Sum			92.40506														
		All			90.99689														
467564.23	3782963.53	W. White Pine Avenue (South)	6			0.00857	302	1	365	70	0.000001	25550	2.59E-06	1.1	2.85	No	5	0.00171	No
		TKNI2		0.0001001	3.19054	0.00032													
		TKNI		0.00022413	7.51942	0.00169													
		TKSI2		8.1769E-05	3.20033	0.00026													
		TKSI		0.00017845	5.79918	0.00103													
		TKNO		0.000227949	7.23453	0.00165													
		TKNO2		9.17709E-05	3.17896	0.00029													
		TKSO		0.000183407	5.7188	0.00105													
		TKSO2		7.49678E-05	3.17046	0.00024													
		TKNIDL		6.63793E-05	11.22306	0.00074													
		TKSIDL		5.42254E-05	8.2915	0.00045													
		INQUE		0.000120605	4.06731	0.00049													
		OUTQUE		0.000120605	3.97464	0.00048													
		Sum			66.56873														
		All			65.60145														
467496.13	3782861.38	Rito Ct (West End)	7			0.00791	302	1	365	70	0.000001	25550	2.39E-06	1.1	2.63	No	5	0.00158	No
		TKNI2		0.0001001	3.06425	0.00031													
		TKNI		0.00022413	6.77865	0.00152													
		TKSI2		8.1769E-05	3.07029	0.00025													
		TKSI		0.00017845	5.42861	0.00097													
		TKNO		0.000227949	6.54365	0.00149													
		TKNO2		9.17709E-05	3.062	0.00028													
		TKSO		0.000183407	5.36723	0.00098													
		TKSO2		7.49678E-05	3.05763	0.00023													
		TKNIDL		6.63793E-05	9.82264	0.00065													
		TKSIDL		5.42254E-05	7.74024	0.00042													
		INQUE		0.000120605	3.78634	0.00046													
		OUTQUE		0.000120605	3.79488	0.00046													
		Sum			61.51641														
		All			60.68198														
467504.65	3782798.95	Rito Ct (South)	8			0.00700	302	1	365	70	0.000001	25550	2.12E-06	1.1	2.33	No	5	0.00140	No
		TKNI2		0.0001001	2.86378	0.00029													
		TKNI		0.00022413	5.91613	0.00133													
		TKSI2		8.1769E-05	2.86858	0.00023													
		TKSI		0.00017845	4.75492	0.00085													
		TKNO		0.000227949	5.75958	0.00131													
		TKNO2		9.17709E-05	2.86478	0.00026													
		TKSO		0.000183407	4.70614	0.00086													
		TKSO2		7.49678E-05	2.86155	0.00021													
		TKNIDL		6.63793E-05	8.25123	0.00055													
		TKSIDL		5.42254E-05	6.48703	0.00035													
		INQUE		0.000120605	3.48126	0.00042													
		OUTQUE		0.000120605	3.53191	0.00043													
		Sum			54.34689														
		All			53.65346														

							Cancer Risk										Non-Cancer Index		
																Threshold			Threshold
																10			1
X	Y	Identification / Source	#	Emission Factor	Modeled µg/m³	Annual DPM (µg/m³)	Daily breathing rate (DBR) (L/kg bw-day)	A	Exposure frequency (EF) (days/year)	Exposure Duration (ED) (years)	Conversion factor ($1x10^{-6}$)	Averaging period (AT) (days)	Dose	Cancer Potency Value	Cancer Risk	Significant?	Reference Level	Non-Cancer Risk	Significant?
467059.5	3783432.68	Highest Res. (Cresthaven)	HR - 21			0.03006	302	1	365	70	0.000001	25550	9.08E-06	1.1	9.98	No	5	0.00601	No
		TKNI2		0.0001001	22.88247	0.00229													
		TKNI		0.00022413	17.99456	0.00403													
		TKSI2		8.1769E-05	22.80461	0.00186													
		TKSI		0.00017845	16.99102	0.00303													
		TKNO		0.000227949	19.4567	0.00444													
		TKNO2		9.17709E-05	23.59307	0.00217													
		TKSO		0.000183407	17.47715	0.00321													
		TKSO2		7.49678E-05	23.75176	0.00178													
		TKNIDL		6.63793E-05	10.07296	0.00067													
		TKSIDL		5.42254E-05	8.42888	0.00046													
		INQUE		0.000120605	21.94689	0.00265													
		OUTQUE		0.000120605	25.00338	0.00302													
		Sum			230.40345														
		All			234.00111														
467362.42	3784233.22	Palm Elementary School (SE)	9			0.00053	581	3	53.56875	9	0.000001	25550	1.75E-08	1.1	0.02	No	5	0.00011	No
		TKNI2		0.0001001	0.55437	0.00006													
		TKNI		0.00022413	0.28518	0.00006													
		TKSI2		8.1769E-05	0.55155	0.00005													
		TKSI		0.00017845	0.28183	0.00005													
		TKNO		0.000227949	0.27843	0.00006													
		TKNO2		9.17709E-05	0.55406	0.00005													
		TKSO		0.000183407	0.29457	0.00005													
		TKSO2		7.49678E-05	0.55803	0.00004													
		TKNIDL		6.63793E-05	0.26419	0.00002													
		TKSIDL		5.42254E-05	0.22103	0.00001													
		INQUE		0.000120605	0.34623	0.00004													
		OUTQUE		0.000120605	0.35742	0.00004													
		Sum			4.54689														
		All			4.49766														
467217.49	3784306.13	Palm Elementary School (NW)	10			0.00023	581	3	53.56875	9	0.000001	25550	7.46E-09	1.1	0.01	No	5	0.00005	No
		TKNI2		0.0001001	0.22538	0.00002													
		TKNI		0.00022413	0.12839	0.00003													
		TKSI2		8.1769E-05	0.22415	0.00002													
		TKSI		0.00017845	0.12499	0.00002													
		TKNO		0.000227949	0.1259	0.00003													
		TKNO2		9.17709E-05	0.22319	0.00002													
		TKSO		0.000183407	0.12961	0.00002													
		TKSO2		7.49678E-05	0.2249	0.00002													
		TKNIDL		6.63793E-05	0.12179	0.00001													
		TKSIDL		5.42254E-05	0.10195	0.00001													
		INQUE		0.000120605	0.14201	0.00002													
		OUTQUE		0.000120605	0.15024	0.00002													
		Sum			1.9225														
		All			1.8905														
466642.02	3783205.37	Denny's Restaurant (SW)	11			0.13060	149	1	57.15	40	0.000001	25550	1.74E-06	1.1	1.92	No	5	0.02612	No
		TKNI2		0.0001001	129.92668	0.01301													
		TKNI		0.00022413	61.78836	0.01385													
		TKSI2		8.1769E-05	130.37358	0.01066													
		TKSI		0.00017845	56.66132	0.01011													
		TKNO		0.000227949	69.29366	0.01580													
		TKNO2		9.17709E-05	152.42543	0.01399													
		TKSO		0.000183407	61.0702	0.01120													
		TKSO2		7.49678E-05	154.77336	0.01160													
		TKNIDL		6.63793E-05	25.59857	0.00170													
		TKSIDL		5.42254E-05	16.55364	0.00090													
		INQUE		0.000120605	80.21645	0.00967													
		OUTQUE		0.000120605	107.6405	0.01298													
		Sum			1046.3218														
		All			1089.1563														

							Cancer Risk										Non-Cancer Index		
																Threshold			Threshold
																10			1
X	Y	Identification / Source	#	Emission Factor	Modeled µg/m³	Annual DPM (µg/m³)	Daily breathing rate (DBR) (L/kg bw-day)	A	Exposure frequency (EF) (days/year)	Exposure Duration (ED) (years)	Conversion factor ($1x10^{-6}$)	Averaging period (AT) (days)	Dose	Cancer Potency Value	Cancer Risk	Significant?	Reference Level	Non-Cancer Risk	Significant?
466659.44	3783231.51	Denny's Restaurant (NE)	12			0.10779	149	1	57.15	40	0.000001	25550	1.44E-06	1.1	1.58	No	5	0.02156	No
		TKNI2		0.0001001	119.22916	0.01193													
		TKNI		0.00022413	51.78181	0.01161													
		TKSI2		8.1769E-05	119.35562	0.00976													
		TKSI		0.00017845	40.49414	0.00723													
		TKNO		0.000227949	59.2793	0.01351													
		TKNO2		9.17709E-05	140.99535	0.01294													
		TKSO		0.000183407	45.64686	0.00837													
		TKSO2		7.49678E-05	144.53728	0.01084													
		TKNIDL		6.63793E-05	27.47165	0.00182													
		TKSIDL		5.42254E-05	13.31728	0.00072													
		INQUE		0.000120605	53.76187	0.00648													
		OUTQUE		0.000120605	78.12724	0.00942													
		Sum			893.99756														
		All			920.94879														
466673.38	3782950.95	Com. S. of Ind. Pkwy (NW)	13			0.08161	149	1	57.15	40	0.000001	25550	1.09E-06	1.1	1.20	No	5	0.01632	No
		TKNI2		0.0001001	24.24069	0.00243													
		TKNI		0.00022413	43.87678	0.00983													
		TKSI2		8.1769E-05	24.5063	0.00200													
		TKSI		0.00017845	102.18069	0.01823													
		TKNO		0.000227949	42.71042	0.00974													
		TKNO2		9.17709E-05	23.42212	0.00215													
		TKSO		0.000183407	95.96418	0.01760													
		TKSO2		7.49678E-05	23.14652	0.00174													
		TKNIDL		6.63793E-05	21.2385	0.00141													
		TKSIDL		5.42254E-05	72.98667	0.00396													
		INQUE		0.000120605	107.34277	0.01295													
		OUTQUE		0.000120605	83.56973	0.01008													
		Sum			665.18537														
		All			589.32434														
466715.20	3782914.36	Com. S. of Ind. Pkwy (NC)	14			0.06696	149	1	57.15	40	0.000001	25550	8.93E-07	1.1	0.98	No	5	0.01339	No
		TKNI2		0.0001001	17.36492	0.00174													
		TKNI		0.00022413	37.86168	0.00849													
		TKSI2		8.1769E-05	17.52541	0.00143													
		TKSI		0.00017845	83.47126	0.01490													
		TKNO		0.000227949	36.71092	0.00837													
		TKNO2		9.17709E-05	16.93676	0.00155													
		TKSO		0.000183407	78.40821	0.01438													
		TKSO2		7.49678E-05	16.74772	0.00126													
		TKNIDL		6.63793E-05	25.52473	0.00169													
		TKSIDL		5.42254E-05	108.71847	0.00590													
		INQUE		0.000120605	41.10344	0.00496													
		OUTQUE		0.000120605	44.78496	0.00540													
		Sum			525.15848														
		All			501.93771														
466757.03	3782867.31	Com. S. of Ind. Pkwy (NE)	15			0.05609	149	1	57.15	40	0.000001	25550	7.48E-07	1.1	0.82	No	5	0.01122	No
		TKNI2		0.0001001	12.89802	0.00129													
		TKNI		0.00022413	32.75826	0.00734													
		TKSI2		8.1769E-05	12.99722	0.00106													
		TKSI		0.00017845	69.50393	0.01240													
		TKNO		0.000227949	31.45776	0.00717													
		TKNO2		9.17709E-05	12.6622	0.00116													
		TKSO		0.000183407	64.12232	0.01176													
		TKSO2		7.49678E-05	12.53879	0.00094													
		TKNIDL		6.63793E-05	30.92106	0.00205													
		TKSIDL		5.42254E-05	119.53232	0.00648													
		INQUE		0.000120605	24.41501	0.00294													
		OUTQUE		0.000120605	24.62875	0.00297													
		Sum			448.43564														
		All			436.8335														

							Cancer Risk										Non-Cancer Index		
																Threshold			Threshold
																10			1
X	Y	Identification / Source	#	Emission Factor	Modeled µg/m³	Annual DPM (µg/m³)	Daily breathing rate (DBR) (L/kg bw-day)	A	Exposure frequency (EF) (days/year)	Exposure Duration (ED) (years)	Conversion factor ($1x10^{-6}$)	Averaging period (AT) (days)	Dose	Cancer Potency Value	Cancer Risk	Significant?	Reference Level	Non-Cancer Risk	Significant?
467011.45	3782724.41	Com. SW of Prop. (W. End)	16			0.02284	149	1	57.15	40	0.000001	25550	3.04E-07	1.1	0.33	No	5	0.00457	No
		TKNI2		0.0001001	5.41686	0.00054													
		TKNI		0.00022413	23.41629	0.00525													
		TKSI2		8.1769E-05	5.4419	0.00044													
		TKSI		0.00017845	14.49951	0.00259													
		TKNO		0.000227949	21.77598	0.00496													
		TKNO2		9.17709E-05	5.37171	0.00049													
		TKSO		0.000183407	14.19479	0.00260													
		TKSO2		7.49678E-05	5.33637	0.00040													
		TKNIDL		6.63793E-05	41.89589	0.00278													
		TKSIDL		5.42254E-05	24.24426	0.00131													
		INQUE		0.000120605	7.69315	0.00093													
		OUTQUE		0.000120605	7.49914	0.00090													
		Sum			176.78585														
		All			173.93884														
467100.32	3782740.10	Com. SW of Prop. (NW corner)	17			0.01935	149	1	57.15	40	0.000001	25550	2.58E-07	1.1	0.28	No	5	0.00387	No
		TKNI2		0.0001001	4.97379	0.00050													
		TKNI		0.00022413	20.40588	0.00457													
		TKSI2		8.1769E-05	4.99295	0.00041													
		TKSI		0.00017845	11.19745	0.00200													
		TKNO		0.000227949	19.13473	0.00436													
		TKNO2		9.17709E-05	4.95394	0.00045													
		TKSO		0.000183407	11.00307	0.00202													
		TKSO2		7.49678E-05	4.93109	0.00037													
		TKNIDL		6.63793E-05	35.65875	0.00237													
		TKSIDL		5.42254E-05	17.50429	0.00095													
		INQUE		0.000120605	6.76464	0.00082													
		OUTQUE		0.000120605	6.68658	0.00081													
		Sum			148.20716														
		All			146.1375														
467142.14	3782686.08	Com. SW of Prop. (N Center)	18			0.01319	149	1	57.15	40	0.000001	25550	1.76E-07	1.1	0.19	No	5	0.00264	No
		TKNI2		0.0001001	4.23391	0.00042													
		TKNI		0.00022413	12.39625	0.00278													
		TKSI2		8.1769E-05	4.24933	0.00035													
		TKSI		0.00017845	8.58459	0.00153													
		TKNO		0.000227949	11.8842	0.00271													
		TKNO2		9.17709E-05	4.2123	0.00039													
		TKSO		0.000183407	8.49633	0.00156													
		TKSO2		7.49678E-05	4.19118	0.00031													
		TKNIDL		6.63793E-05	19.45385	0.00129													
		TKSIDL		5.42254E-05	12.85758	0.00070													
		INQUE		0.000120605	5.66763	0.00068													
		OUTQUE		0.000120605	5.59262	0.00067													
		Sum			101.81977														
		All			100.23078														
467208.36	3782607.66	Com. SW of Prop. (NE)	19			0.00901	149	1	57.15	40	0.000001	25550	1.20E-07	1.1	0.13	No	5	0.00180	No
		TKNI2		0.0001001	3.4552	0.00035													
		TKNI		0.00022413	7.64657	0.00171													
		TKSI2		8.1769E-05	3.46662	0.00028													
		TKSI		0.00017845	6.30428	0.00113													
		TKNO		0.000227949	7.36796	0.00168													
		TKNO2		9.17709E-05	3.43553	0.00032													
		TKSO		0.000183407	6.24057	0.00114													
		TKSO2		7.49678E-05	3.41794	0.00026													
		TKNIDL		6.63793E-05	10.99329	0.00073													
		TKSIDL		5.42254E-05	8.90813	0.00048													
		INQUE		0.000120605	4.50557	0.00054													
		OUTQUE		0.000120605	4.44117	0.00054													
		Sum			70.18283														
		All			69.08645														

							Cancer Risk										Non-Cancer Index		
																Threshold			Threshold
																10			1
X	Y	Identification / Source	#	Emission Factor	Modeled µg/m^3	Annual DPM (µg/m^3)	Daily breathing rate (DBR) (L/kg bw-day)	A	Exposure frequency (EF) (days/year)	Exposure Duration (ED) (years)	Conversion factor (1x10^{-6})	Averaging period (AT) (days)	Dose	Cancer Potency Value	Cancer Risk	Significant?	Reference Level	Non-Cancer Risk	Significant?
466927.06	3783025.77	Low onsite woker	20			0.01615	149	1	57.15	40	0.000001	25550	2.15E-07	1.1	0.24	No	5	0.00323	No
		TKNI2		0.0001001	1.71584	0.00017													
		TKNI		0.00022413	20.52061	0.00460													
		TKSI2		8.1769E-05	1.73573	0.00014													
		TKSI		0.00017845	7.82375	0.00140													
		TKNO		0.000227949	13.80649	0.00315													
		TKNO2		9.17709E-05	1.60898	0.00015													
		TKSO		0.000183407	8.66542	0.00159													
		TKSO2		7.49678E-05	1.58335	0.00012													
		TKNIDL		6.63793E-05	54.92157	0.00365													
		TKSIDL		5.42254E-05	16.92232	0.00092													
		INQUE		0.000120605	3.99316	0.00048													
		OUTQUE		0.000120605	2.99015	0.00036													
		Sum			136.28737														
		All			131.69818														
466671.19	3783138.50	Highest onsite/offsite worker	HP/HW - 23			0.22338	149	1	57.15	40	0.000001	25550	2.98E-06	1.1	3.28	No	5	0.04468	No
		TKNI2		0.0001001	86.53968	0.00866													
		TKNI		0.00022413	121.21253	0.02717													
		TKSI2		8.1769E-05	86.96378	0.00711													
		TKSI		0.00017845	130.75244	0.02333													
		TKNO		0.000227949	139.5205	0.03180													
		TKNO2		9.17709E-05	89.29046	0.00819													
		TKSO		0.000183407	139.97823	0.02567													
		TKSO2		7.49678E-05	85.53751	0.00641													
		TKNIDL		6.63793E-05	25.23108	0.00167													
		TKSIDL		5.42254E-05	26.09176	0.00141													
		INQUE		0.000120605	239.94218	0.02894													
		OUTQUE		0.000120605	257.95435	0.03111													
		Sum			1429.0145														
		All			1584.2155														
467061.69	3783934.5	Crestview Baptist Church	C - 22			0.00189	302	1	365	70	0.000001	25550	5.71E-07	1.1	0.63	No	5	0.00038	No
		TKNI2		0.0001001	2.01859	0.00020													
		TKNI		0.00022413	1.16571	0.00026													
		TKSI2		8.1769E-05	2.00353	0.00016													
		TKSI		0.00017845	0.87088	0.00016													
		TKNO		0.000227949	1.03786	0.00024													
		TKNO2		9.17709E-05	1.99692	0.00018													
		TKSO		0.000183407	0.95601	0.00018													
		TKSO2		7.49678E-05	2.01929	0.00015													
		TKNIDL		6.63793E-05	1.58877	0.00011													
		TKSIDL		5.42254E-05	0.8821	0.00005													
		INQUE		0.000120605	0.91329	0.00011													
		OUTQUE		0.000120605	1.03957	0.00013													
		Sum			16.49252														
		All			16.24628														

Palm Industrial Distribution Center
Health Risk Modeling Input
DPM - Reduction C: 2007 or Newer Truck Fleet

Traveling Vehicle Sources[1]	gr/mile[2] 2013-2083	meters/ trip[3]	miles/trip	# trips/ day[4]	g/s[5] 2013-2083	0.00%	Factor (g/s) 2013-2083	Model Abbreviation
Inbound								
Onroad Trucks To entrance	0.0677	471.99	0.29	337	0.0000774	0.0000773633	**7.736E-05**	TKNI2
Onsite Entrance To North Docks	0.0886	709.46	0.44	337	0.0001523	0.0001523298	**1.523E-04**	TKNI
Onroad Trucks to Entrance	0.0677	471.99	0.29	275	0.0000632	0.0000631982	**6.320E-05**	TKSI2
Onsite Entrance to South Docks	0.0886	691.47	0.43	275	0.0001213	0.0001212830	**1.213E-04**	TKSI
Outbound								
Onsite North Docks to Exit	0.0886	721.54	0.45	337	0.0001549	0.0001549235	**1.549E-04**	TKNO
Onroad Exit to Freeway	0.0677	432.73	0.27	337	0.0000709	0.0000709282	**7.093E-05**	TKNO2
Onsite South Docks to Exit	0.0886	710.67	0.44	275	0.0001247	0.0001246506	**1.247E-04**	TKSO
Onroad Exit to Freeway	0.0677	432.73	0.27	275	0.0000579	0.0000579414	**5.794E-05**	TKSO2

[1] Onsite routes are calculated from entrance to furthest loading dock bay for both the northern and southern sides of the building. Offsite routes are calculated from the truck entrance to the Northbound Freeway entrance/exit (furthest distance and therefore most conservative). Speed estimated for offsite trave is 20 mph based on distance available to travel between stops. Onsite speed approximated at 5 mph.

[2] Grams/mile were determined using a weighted average EMFAC DPM emission rates based on a conservative assumption that 100% of the truck fleet is heavy duty trucks. Trucks represent 47% of total daily trips and are assumed to be 2007 model years or newer.

[3] Meters per trip were determined based on the length of the road segment traveled or the distance traveled onsite.

[4] Trips per day were based on 47% of the 1,303 daily trips (612 daily truck trips). Of the daily truck trips, 55.04% will go to the northern docks, and 44.96% will go to the southern docks (based on the number of loading docks on each side of the building (71 on the north and 58 on the south)).

[5] Grams per second is determined by the following equation: ((gr/mile * miles/trip * trips/day) / sec/day the facility operates)

Idling Source	g/h[1] 2013-2083	g/s 2013-2083	# vehicles/ day[2]	# sec/day idling[3]	g/s 2013-2083	0.00%	Emission Factor (g/s) 2013-2083	Model Abbreviation
Idling at North Docks	0.1100	0.00003	337	300	3.5737E-05	0.0000357370	**3.574E-05**	TKNIDL
Idling at South Docks	0.1100	0.00003	275	300	2.91936E-05	0.0000291936	**2.919E-05**	TKSIDL
Idling at Truck Entrance	0.1100	0.00003	612	300	6.49306E-05	0.0000649306	**6.493E-05**	INQUE
Idling at Truck Exit	0.1100	0.00003	612	300	6.49306E-05	0.0000649306	**6.493E-05**	OUTQUE

[1] Grams/hour were determined using average EMFAC DPM emission rates based on a 70 year averaging time. It assumes a 5 minute idling time for each truck. At the loading dock, 5 minutes idling along the entrance, and 5 minutes idling at the exit.

[2] Trips per day were based on 47% of the 1,303 daily trips (612 daily truck trips). Of the daily truck trips, 55.04% will go to the northern docks, and 44.96% will go to the southern docks (based on the number of loading docks on each side of the building (71 on the north and 58 on the south)).

[3] Seconds per day is determined by multiplying number of minutes allowed to idle by 60. 5 x 60 = 300

Health Risk Assessment
DPM - Reduction C: 2007 or Newer Truck Fleet

Palm Industrial Distribution Center
August 2011

							Cancer Risk										Non-Cancer Index		
																Threshold			Threshold
																10			1
X	Y	Identification / Source	#	Emission Factor	Modeled µg/m³	Annual DPM (µg/m³)	Daily breathing rate (DBR) (L/kg bw-day)	A	Exposure frequency (EF) (days/year)	Exposure Duration (ED) (years)	Conversion factor ($1x10^{-6}$)	Averaging period (AT) (days)	Dose	Cancer Potency Value	Cancer Risk	Significant?	Reference Level	Non-Cancer Risk	Significant?
466985.39	3783465.92	Cresthaven Complex	1			0.02002	302	1	365	70	0.000001	25550	6.05E-06	1.1	6.65	No	5	0.00400	No
		TKNI2		7.7363E-05	28.70445	0.00222													
		TKNI		0.00015233	15.39876	0.00235													
		TKSI2		6.3198E-05	28.40923	0.00180													
		TKSI		0.00012128	14.72073	0.00179													
		TKNO		0.00015492	16.63919	0.00258													
		TKNO2		7.0928E-05	29.80008	0.00211													
		TKSO		0.00012465	15.24289	0.00190													
		TKSO2		5.7941E-05	30.21929	0.00175													
		TKNIDL		3.5737E-05	9.03181	0.00032													
		TKSIDL		2.9194E-05	7.49522	0.00022													
		INQUE		6.4931E-05	19.47427	0.00126													
		OUTQUE		6.4931E-05	21.8905	0.00142													
		Sum			237.02642														
		All			240.68687														
466738.53	3783613.31	Verdmont Ranch Road	2			0.00956	302	1	365	70	0.000001	25550	2.89E-06	1.1	3.18	No	5	0.00191	No
		TKNI2		7.7363E-05	13.73025	0.00106													
		TKNI		0.00015233	8.08827	0.00123													
		TKSI2		6.3198E-05	13.71995	0.00087													
		TKSI		0.00012128	7.31512	0.00089													
		TKNO		0.000154923	8.21637	0.00127													
		TKNO2		7.09282E-05	13.67608	0.00097													
		TKSO		0.000124651	7.40732	0.00092													
		TKSO2		5.79414E-05	13.7224	0.00080													
		TKNIDL		3.5737E-05	6.16711	0.00022													
		TKSIDL		2.91936E-05	5.24403	0.00015													
		INQUE		6.49306E-05	8.67677	0.00056													
		OUTQUE		6.49306E-05	9.22276	0.00060													
		Sum			115.18643														
		All			115.33218														
467235.09	3783360.77	Olive Avenue	3			0.01623	302	1	365	70	0.000001	25550	4.90E-06	1.1	5.39	No	5	0.00325	No
		TKNI2		7.7363E-05	12.75265	0.00099													
		TKNI		0.00015233	18.81326	0.00287													
		TKSI2		6.3198E-05	12.77872	0.00081													
		TKSI		0.00012128	15.21891	0.00185													
		TKNO		0.000154923	19.55321	0.00303													
		TKNO2		7.09282E-05	12.88205	0.00091													
		TKSO		0.000124651	15.31916	0.00191													
		TKSO2		5.79414E-05	12.82069	0.00074													
		TKNIDL		3.5737E-05	15.60096	0.00056													
		TKSIDL		2.91936E-05	11.23641	0.00033													
		INQUE		6.49306E-05	16.76002	0.00109													
		OUTQUE		6.49306E-05	18.42645	0.00120													
		Sum			182.16249														
		All			181.66435														
467411.01	3783284.16	Norma Lane	4			0.01182	302	1	365	70	0.000001	25550	3.57E-06	1.1	3.93	No	5	0.00236	No
		TKNI2		7.7363E-05	7.28876	0.00056													
		TKNI		0.00015233	15.72647	0.00240													
		TKSI2		6.3198E-05	7.31767	0.00046													
		TKSI		0.00012128	11.27184	0.00137													
		TKNO		0.000154923	15.82251	0.00245													
		TKNO2		7.09282E-05	7.28247	0.00052													
		TKSO		0.000124651	11.21044	0.00140													
		TKSO2		5.79414E-05	7.24722	0.00042													
		TKNIDL		3.5737E-05	19.15788	0.00068													
		TKSIDL		2.91936E-05	12.16161	0.00036													
		INQUE		6.49306E-05	10.18642	0.00066													
		OUTQUE		6.49306E-05	10.5483	0.00068													
		Sum			135.22159														
		All			133.67656														

							Cancer Risk										Non-Cancer Index		
																Threshold			Threshold
																10			1
X	Y	Identification / Source	#	Emission Factor	Modeled µg/m³	Annual DPM (µg/m³)	Daily breathing rate (DBR) (L/kg bw-day)	A	Exposure frequency (EF) (days/year)	Exposure Duration (ED) (years)	Conversion factor ($1x10^{-6}$)	Averaging period (AT) (days)	Dose	Cancer Potency Value	Cancer Risk	Significant?	Reference Level	Non-Cancer Risk	Significant?
467507.81	3783062.84	W. White Pine Avenue (West End	5			0.00789	302	1	365	70	0.000001	25550	2.38E-06	1.1	2.62	No	5	0.00158	No
		TKNI2		7.7363E-05	3.90018	0.00030													
		TKNI		0.00015233	11.44605	0.00174													
		TKSI2		6.3198E-05	3.91593	0.00025													
		TKSI		0.00012128	7.59402	0.00092													
		TKNO		0.000154923	11.08322	0.00172													
		TKNO2		7.09282E-05	3.86993	0.00027													
		TKSO		0.000124651	7.53822	0.00094													
		TKSO2		5.79414E-05	3.84816	0.00022													
		TKNIDL		3.5737E-05	17.6934	0.00063													
		TKSIDL		2.91936E-05	10.91378	0.00032													
		INQUE		6.49306E-05	5.35529	0.00035													
		OUTQUE		6.49306E-05	5.24688	0.00034													
		Sum			92.40506														
		All			90.99689														
467564.23	3782963.53	W. White Pine Avenue (South)	6			0.00562	302	1	365	70	0.000001	25550	1.70E-06	1.1	1.87	No	5	0.00112	No
		TKNI2		7.7363E-05	3.19054	0.00025													
		TKNI		0.00015233	7.51942	0.00115													
		TKSI2		6.3198E-05	3.20033	0.00020													
		TKSI		0.00012128	5.79918	0.00070													
		TKNO		0.000154923	7.23453	0.00112													
		TKNO2		7.09282E-05	3.17896	0.00023													
		TKSO		0.000124651	5.7188	0.00071													
		TKSO2		5.79414E-05	3.17046	0.00018													
		TKNIDL		3.5737E-05	11.22306	0.00040													
		TKSIDL		2.91936E-05	8.2915	0.00024													
		INQUE		6.49306E-05	4.06731	0.00026													
		OUTQUE		6.49306E-05	3.97464	0.00026													
		Sum			66.56873														
		All			65.60145														
467496.13	3782861.38	Rito Ct (West End)	7			0.00520	302	1	365	70	0.000001	25550	1.57E-06	1.1	1.73	No	5	0.00104	No
		TKNI2		7.7363E-05	3.06425	0.00024													
		TKNI		0.00015233	6.77865	0.00103													
		TKSI2		6.3198E-05	3.07029	0.00019													
		TKSI		0.00012128	5.42861	0.00066													
		TKNO		0.000154923	6.54365	0.00101													
		TKNO2		7.09282E-05	3.062	0.00022													
		TKSO		0.000124651	5.36723	0.00067													
		TKSO2		5.79414E-05	3.05763	0.00018													
		TKNIDL		3.5737E-05	9.82264	0.00035													
		TKSIDL		2.91936E-05	7.74024	0.00023													
		INQUE		6.49306E-05	3.78634	0.00025													
		OUTQUE		6.49306E-05	3.79488	0.00025													
		Sum			61.51641														
		All			60.68198														
467504.65	3782798.95	Rito Ct (South)	8			0.00461	302	1	365	70	0.000001	25550	1.39E-06	1.1	1.53	No	5	0.00092	No
		TKNI2		7.7363E-05	2.86378	0.00022													
		TKNI		0.00015233	5.91613	0.00090													
		TKSI2		6.3198E-05	2.86858	0.00018													
		TKSI		0.00012128	4.75492	0.00058													
		TKNO		0.000154923	5.75958	0.00089													
		TKNO2		7.09282E-05	2.86478	0.00020													
		TKSO		0.000124651	4.70614	0.00059													
		TKSO2		5.79414E-05	2.86155	0.00017													
		TKNIDL		3.5737E-05	8.25123	0.00029													
		TKSIDL		2.91936E-05	6.48703	0.00019													
		INQUE		6.49306E-05	3.48126	0.00023													
		OUTQUE		6.49306E-05	3.53191	0.00023													
		Sum			54.34689														
		All			53.65346														

							Cancer Risk										Non-Cancer Index		
																Threshold			Threshold
																10			1
X	Y	Identification / Source	#	Emission Factor	Modeled µg/m³	Annual DPM (µg/m³)	Daily breathing rate (DBR) (L/kg bw-day)	A	Exposure frequency (EF) (days/year)	Exposure Duration (ED) (years)	Conversion factor ($1x10^{-6}$)	Averaging period (AT) (days)	Dose	Cancer Potency Value	Cancer Risk	Significant?	Reference Level	Non-Cancer Risk	Significant?
467059.5	3783432.68	Highest Res. (Cresthaven)	HR - 21			0.02022	302	1	365	70	0.000001	25550	6.11E-06	1.1	6.72	No	5	0.00404	No
		TKNI2		7.7363E-05	22.88247	0.00177													
		TKNI		0.00015233	17.99456	0.00274													
		TKSI2		6.3198E-05	22.80461	0.00144													
		TKSI		0.00012128	16.99102	0.00206													
		TKNO		0.000154923	19.4567	0.00301													
		TKNO2		7.09282E-05	23.59307	0.00167													
		TKSO		0.000124651	17.47715	0.00218													
		TKSO2		5.79414E-05	23.75176	0.00138													
		TKNIDL		3.5737E-05	10.07296	0.00036													
		TKSIDL		2.91936E-05	8.42888	0.00025													
		INQUE		6.49306E-05	21.94689	0.00143													
		OUTQUE		6.49306E-05	25.00338	0.00162													
		Sum			230.40345														
		All			234.00111														
467362.42	3784233.22	Palm Elementary School (SE)	9			0.00036	581	3	53.56875	9	0.000001	25550	1.20E-08	1.1	0.01	No	5	0.00007	No
		TKNI2		7.7363E-05	0.55437	0.00004													
		TKNI		0.00015233	0.28518	0.00004													
		TKSI2		6.3198E-05	0.55155	0.00003													
		TKSI		0.00012128	0.28183	0.00003													
		TKNO		0.000154923	0.27843	0.00004													
		TKNO2		7.09282E-05	0.55406	0.00004													
		TKSO		0.000124651	0.29457	0.00004													
		TKSO2		5.79414E-05	0.55803	0.00003													
		TKNIDL		3.5737E-05	0.26419	0.00001													
		TKSIDL		2.91936E-05	0.22103	0.00001													
		INQUE		6.49306E-05	0.34623	0.00002													
		OUTQUE		6.49306E-05	0.35742	0.00002													
		Sum			4.54689														
		All			4.49766														
467217.49	3784306.13	Palm Elementary School (NW)	10			0.00015	581	3	53.56875	9	0.000001	25550	5.08E-09	1.1	0.01	No	5	0.00003	No
		TKNI2		7.7363E-05	0.22538	0.00002													
		TKNI		0.00015233	0.12839	0.00002													
		TKSI2		6.3198E-05	0.22415	0.00001													
		TKSI		0.00012128	0.12499	0.00002													
		TKNO		0.000154923	0.1259	0.00002													
		TKNO2		7.09282E-05	0.22319	0.00002													
		TKSO		0.000124651	0.12961	0.00002													
		TKSO2		5.79414E-05	0.2249	0.00001													
		TKNIDL		3.5737E-05	0.12179	0.00000													
		TKSIDL		2.91936E-05	0.10195	0.00000													
		INQUE		6.49306E-05	0.14201	0.00001													
		OUTQUE		6.49306E-05	0.15024	0.00001													
		Sum			1.9225														
		All			1.8905														
466642.02	3783205.37	Denny's Restaurant (SW)	11			0.08983	149	1	57.15	40	0.000001	25550	1.20E-06	1.1	1.32	No	5	0.01797	No
		TKNI2		7.7363E-05	129.92668	0.01005													
		TKNI		0.00015233	61.78836	0.00941													
		TKSI2		6.3198E-05	130.37358	0.00824													
		TKSI		0.00012128	56.66132	0.00687													
		TKNO		0.000154923	69.29366	0.01074													
		TKNO2		7.09282E-05	152.42543	0.01081													
		TKSO		0.000124651	61.0702	0.00761													
		TKSO2		5.79414E-05	154.77336	0.00897													
		TKNIDL		3.5737E-05	25.59857	0.00091													
		TKSIDL		2.91936E-05	16.55364	0.00048													
		INQUE		6.49306E-05	80.21645	0.00521													
		OUTQUE		6.49306E-05	107.6405	0.00699													
		Sum			1046.3218														
		All			1089.1563														

							Cancer Risk										Non-Cancer Index		
																Threshold			Threshold
																10			1
X	Y	Identification / Source	#	Emission Factor	Modeled µg/m³	Annual DPM (µg/m³)	Daily breathing rate (DBR) (L/kg bw-day)	A	Exposure frequency (EF) (days/year)	Exposure Duration (ED) (years)	Conversion factor ($1x10^{-6}$)	Averaging period (AT) (days)	Dose	Cancer Potency Value	Cancer Risk	Significant?	Reference Level	Non-Cancer Risk	Significant?
466659.44	3783231.51	Denny's Restaurant (NE)	12			0.07494	149	1	57.15	40	0.000001	25550	9.99E-07	1.1	1.10	No	5	0.01499	No
		TKNI2		7.7363E-05	119.22916	0.00922													
		TKNI		0.00015233	51.78181	0.00789													
		TKSI2		6.3198E-05	119.35562	0.00754													
		TKSI		0.00012128	40.49414	0.00491													
		TKNO		0.000154923	59.2793	0.00918													
		TKNO2		7.09282E-05	140.99535	0.01000													
		TKSO		0.000124651	45.64686	0.00569													
		TKSO2		5.79414E-05	144.53728	0.00837													
		TKNIDL		3.5737E-05	27.47165	0.00098													
		TKSIDL		2.91936E-05	13.31728	0.00039													
		INQUE		6.49306E-05	53.76187	0.00349													
		OUTQUE		6.49306E-05	78.12724	0.00507													
		Sum			893.99756														
		All			920.94879														
466673.38	3782950.95	Com. S. of Ind. Pkwy (NW)	13			0.05260	149	1	57.15	40	0.000001	25550	7.01E-07	1.1	0.77	No	5	0.01052	No
		TKNI2		7.7363E-05	24.24069	0.00188													
		TKNI		0.00015233	43.87678	0.00668													
		TKSI2		6.3198E-05	24.5063	0.00155													
		TKSI		0.00012128	102.18069	0.01239													
		TKNO		0.000154923	42.71042	0.00662													
		TKNO2		7.09282E-05	23.42212	0.00166													
		TKSO		0.000124651	95.96418	0.01196													
		TKSO2		5.79414E-05	23.14652	0.00134													
		TKNIDL		3.5737E-05	21.2385	0.00076													
		TKSIDL		2.91936E-05	72.98667	0.00213													
		INQUE		6.49306E-05	107.34277	0.00697													
		OUTQUE		6.49306E-05	83.56973	0.00543													
		Sum			665.18537														
		All			589.32434														
466715.20	3782914.36	Com. S. of Ind. Pkwy (NC)	14			0.04362	149	1	57.15	40	0.000001	25550	5.82E-07	1.1	0.64	No	5	0.00872	No
		TKNI2		7.7363E-05	17.36492	0.00134													
		TKNI		0.00015233	37.86168	0.00577													
		TKSI2		6.3198E-05	17.52541	0.00111													
		TKSI		0.00012128	83.47126	0.01012													
		TKNO		0.000154923	36.71092	0.00569													
		TKNO2		7.09282E-05	16.93676	0.00120													
		TKSO		0.000124651	78.40821	0.00977													
		TKSO2		5.79414E-05	16.74772	0.00097													
		TKNIDL		3.5737E-05	25.52473	0.00091													
		TKSIDL		2.91936E-05	108.71847	0.00317													
		INQUE		6.49306E-05	41.10344	0.00267													
		OUTQUE		6.49306E-05	44.78496	0.00291													
		Sum			525.15848														
		All			501.93771														
466757.03	3782867.31	Com. S. of Ind. Pkwy (NE)	15			0.03654	149	1	57.15	40	0.000001	25550	4.87E-07	1.1	0.54	No	5	0.00731	No
		TKNI2		7.7363E-05	12.89802	0.00100													
		TKNI		0.00015233	32.75826	0.00499													
		TKSI2		6.3198E-05	12.99722	0.00082													
		TKSI		0.00012128	69.50393	0.00843													
		TKNO		0.000154923	31.45776	0.00487													
		TKNO2		7.09282E-05	12.6622	0.00090													
		TKSO		0.000124651	64.12232	0.00799													
		TKSO2		5.79414E-05	12.53879	0.00073													
		TKNIDL		3.5737E-05	30.92106	0.00111													
		TKSIDL		2.91936E-05	119.53232	0.00349													
		INQUE		6.49306E-05	24.41501	0.00159													
		OUTQUE		6.49306E-05	24.62875	0.00160													
		Sum			448.43564														
		All			436.8335														

							Cancer Risk										Non-Cancer Index		
																Threshold			Threshold
																10			1
X	Y	Identification / Source	#	Emission Factor	Modeled µg/m³	Annual DPM (µg/m³)	Daily breathing rate (DBR) (L/kg bw-day)	A	Exposure frequency (EF) (days/year)	Exposure Duration (ED) (years)	Conversion factor ($1x10^{-6}$)	Averaging period (AT) (days)	Dose	Cancer Potency Value	Cancer Risk	Significant?	Reference Level	Non-Cancer Risk	Significant?
467011.45	3782724.41	Com. SW of Prop. (W. End)	16			0.01487	149	1	57.15	40	0.000001	25550	1.98E-07	1.1	0.22	No	5	0.00297	No
		TKNI2		7.7363E-05	5.41686	0.00042													
		TKNI		0.00015233	23.41629	0.00357													
		TKSI2		6.3198E-05	5.4419	0.00034													
		TKSI		0.00012128	14.49951	0.00176													
		TKNO		0.000154923	21.77598	0.00337													
		TKNO2		7.09282E-05	5.37171	0.00038													
		TKSO		0.000124651	14.19479	0.00177													
		TKSO2		5.79414E-05	5.33637	0.00031													
		TKNIDL		3.5737E-05	41.89589	0.00150													
		TKSIDL		2.91936E-05	24.24426	0.00071													
		INQUE		6.49306E-05	7.69315	0.00050													
		OUTQUE		6.49306E-05	7.49914	0.00049													
		Sum			176.78585														
		All			173.93884														
467100.32	3782740.10	Com. SW of Prop. (NW corner)	17			0.01262	149	1	57.15	40	0.000001	25550	1.68E-07	1.1	0.19	No	5	0.00252	No
		TKNI2		7.7363E-05	4.97379	0.00038													
		TKNI		0.00015233	20.40588	0.00311													
		TKSI2		6.3198E-05	4.99295	0.00032													
		TKSI		0.00012128	11.19745	0.00136													
		TKNO		0.000154923	19.13473	0.00296													
		TKNO2		7.09282E-05	4.95394	0.00035													
		TKSO		0.000124651	11.00307	0.00137													
		TKSO2		5.79414E-05	4.93109	0.00029													
		TKNIDL		3.5737E-05	35.65875	0.00127													
		TKSIDL		2.91936E-05	17.50429	0.00051													
		INQUE		6.49306E-05	6.76464	0.00044													
		OUTQUE		6.49306E-05	6.68658	0.00043													
		Sum			148.20716														
		All			146.1375														
467142.14	3782686.08	Com. SW of Prop. (N Center)	18			0.00863	149	1	57.15	40	0.000001	25550	1.15E-07	1.1	0.13	No	5	0.00173	No
		TKNI2		7.7363E-05	4.23391	0.00033													
		TKNI		0.00015233	12.39625	0.00189													
		TKSI2		6.3198E-05	4.24933	0.00027													
		TKSI		0.00012128	8.58459	0.00104													
		TKNO		0.000154923	11.8842	0.00184													
		TKNO2		7.09282E-05	4.2123	0.00030													
		TKSO		0.000124651	8.49633	0.00106													
		TKSO2		5.79414E-05	4.19118	0.00024													
		TKNIDL		3.5737E-05	19.45385	0.00070													
		TKSIDL		2.91936E-05	12.85758	0.00038													
		INQUE		6.49306E-05	5.66763	0.00037													
		OUTQUE		6.49306E-05	5.59262	0.00036													
		Sum			101.81977														
		All			100.23078														
467208.36	3782607.66	Com. SW of Prop. (NE)	19			0.00592	149	1	57.15	40	0.000001	25550	7.89E-08	1.1	0.09	No	5	0.00118	No
		TKNI2		7.7363E-05	3.4552	0.00027													
		TKNI		0.00015233	7.64657	0.00116													
		TKSI2		6.3198E-05	3.46662	0.00022													
		TKSI		0.00012128	6.30428	0.00076													
		TKNO		0.000154923	7.36796	0.00114													
		TKNO2		7.09282E-05	3.43553	0.00024													
		TKSO		0.000124651	6.24057	0.00078													
		TKSO2		5.79414E-05	3.41794	0.00020													
		TKNIDL		3.5737E-05	10.99329	0.00039													
		TKSIDL		2.91936E-05	8.90813	0.00026													
		INQUE		6.49306E-05	4.50557	0.00029													
		OUTQUE		6.49306E-05	4.44117	0.00029													
		Sum			70.18283														
		All			69.08645														

Health Risk Assessment
DPM - Reduction C: 2007 or Newer Truck Fleet

Palm Industrial Distribution Center
August 2011

									Cancer Risk									Non-Cancer Index		
																Threshold				Threshold
																10				1
X	Y	Identification / Source	#	Emission Factor	Modeled $\mu g/m^3$	Annual DPM ($\mu g/m^3$)	Daily breathing rate (DBR) (L/kg bw-day)	A	Exposure frequency (EF) (days/year)	Exposure Duration (ED) (years)	Conversion factor ($1x10^{-6}$)	Averaging period (AT) (days)	Dose	Cancer Potency Value	Cancer Risk	Significant?	Reference Level	Non-Cancer Risk	Significant?

							Cancer Risk										Non-Cancer Index		
																Threshold			Threshold
																10			1
X	Y	Identification / Source	#	Emission Factor	Modeled µg/m³	Annual DPM (µg/m³)	Daily breathing rate (DBR) (L/kg bw-day)	A	Exposure frequency (EF) (days/year)	Exposure Duration (ED) (years)	Conversion factor ($1x10^{-6}$)	Averaging period (AT) (days)	Dose	Cancer Potency Value	Cancer Risk	Significant?	Reference Level	Non-Cancer Risk	Significant?
466927.06	3783025.77	Low onsite woker	20			0.01029	149	1	57.15	40	0.000001	25550	1.37E-07	1.1	0.15	No	5	0.00206	No
		TKNI2		7.7363E-05	1.71584	0.00013													
		TKNI		0.00015233	20.52061	0.00313													
		TKSI2		6.3198E-05	1.73573	0.00011													
		TKSI		0.00012128	7.82375	0.00095													
		TKNO		0.000154923	13.80649	0.00214													
		TKNO2		7.09282E-05	1.60898	0.00011													
		TKSO		0.000124651	8.66542	0.00108													
		TKSO2		5.79414E-05	1.58335	0.00009													
		TKNIDL		3.5737E-05	54.92157	0.00196													
		TKSIDL		2.91936E-05	16.92232	0.00049													
		INQUE		6.49306E-05	3.99316	0.00026													
		OUTQUE		6.49306E-05	2.99015	0.00019													
		Sum			136.28737														
		All			131.69818														
466671.19	3783138.50	Highest onsite/offsite worker	HP/HW - 23			0.14507	149	1	57.15	40	0.000001	25550	1.93E-06	1.1	2.13	No	5	0.02901	No
		TKNI2		7.7363E-05	86.53968	0.00669													
		TKNI		0.00015233	121.21253	0.01846													
		TKSI2		6.3198E-05	86.96378	0.00550													
		TKSI		0.00012128	130.75244	0.01586													
		TKNO		0.000154923	139.5205	0.02162													
		TKNO2		7.09282E-05	89.29046	0.00633													
		TKSO		0.000124651	139.97823	0.01745													
		TKSO2		5.79414E-05	85.53751	0.00496													
		TKNIDL		3.5737E-05	25.23108	0.00090													
		TKSIDL		2.91936E-05	26.09176	0.00076													
		INQUE		6.49306E-05	239.94218	0.01558													
		OUTQUE		6.49306E-05	257.95435	0.01675													
		Sum			1429.0145														
		All			1584.2155														
467061.69	3783934.5	Crestview Baptist Church	C - 22			0.00129	302	1	365	70	0.000001	25550	3.91E-07	1.1	0.43	No	5	0.00026	No
		TKNI2		7.7363E-05	2.01859	0.00016													
		TKNI		0.00015233	1.16571	0.00018													
		TKSI2		6.3198E-05	2.00353	0.00013													
		TKSI		0.00012128	0.87088	0.00011													
		TKNO		0.000154923	1.03786	0.00016													
		TKNO2		7.09282E-05	1.99692	0.00014													
		TKSO		0.000124651	0.95601	0.00012													
		TKSO2		5.79414E-05	2.01929	0.00012													
		TKNIDL		3.5737E-05	1.58877	0.00006													
		TKSIDL		2.91936E-05	0.8821	0.00003													
		INQUE		6.49306E-05	0.91329	0.00006													
		OUTQUE		6.49306E-05	1.03957	0.00007													
		Sum			16.49252														
		All			16.24628														

ATTACHMENT C

AERMOD OUTPUT

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** AERMOD Input Produced by:
** AERMOD View Ver. 6.0.0
** Lakes Environmental Software Inc.
** Date: 8/10/2011
** File: C:\AERMOD Projects\Palm Industrial\2011 Revisions\Operational2\PIop2.ADI
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** AERMOD Control Pathway
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**
CO STARTING
   TITLEONE C:\AERMOD Projects\Palm Industrial\2011 Revisions\Operational\PIop20
   TITLETWO DPM Emissions for HRA
   MODELOPT DFAULT CONC
   AVERTIME ANNUAL
   POLLUTID PM-10
   RUNORNOT RUN
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** Line Source represented by Separated Volume Sources
** ---------------------------------------------------------------------
** LINE Source ID = TKSI
** DESCRSRC Truck south docks enter
** Length of Side = 6.10
** Emission Rate = 1
** Vertical Dimension = 6.00
** SZINIT = 2.79
** Nodes = 9
** 466629.37, 3783062.81, 509.12, 5.00, 0.0
** 466692.78, 3783128.00, 510.32, 5.00, 5.64
** 466714.59, 3783167.59, 508.14, 5.00, 5.25
** 466734.13, 3783172.80, 506.66, 5.00, 4.70
** 466749.76, 3783158.47, 507.19, 5.00, 4.92
** 466757.58, 3783133.72, 510.61, 5.00, 4.03
** 466676.81, 3783041.22, 510.69, 5.00, 5.19
** 466680.71, 3783029.49, 510.11, 5.00, 2.88
** 466930.85, 3782779.36, 503.64, 5.00, 5.49
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   LOCATION L0008894 VOLUME 466631.499 3783064.936 509.14
   LOCATION L0008895 VOLUME 466639.950 3783073.633 509.68
   LOCATION L0008896 VOLUME 466648.401 3783082.330 510.16
   LOCATION L0008897 VOLUME 466656.853 3783091.027 510.58
   LOCATION L0008898 VOLUME 466665.304 3783099.723 510.81
   LOCATION L0008899 VOLUME 466673.755 3783108.420 510.64
   LOCATION L0008900 VOLUME 466682.206 3783117.117 510.47
   LOCATION L0008901 VOLUME 466690.657 3783125.814 510.24
   LOCATION L0008902 VOLUME 466696.761 3783135.207 509.87
   LOCATION L0008903 VOLUME 466702.214 3783145.082 509.43
   LOCATION L0008904 VOLUME 466707.667 3783154.957 508.92
   LOCATION L0008905 VOLUME 466713.120 3783164.832 508.35
   LOCATION L0008906 VOLUME 466721.416 3783169.334 507.98
   LOCATION L0008907 VOLUME 466731.181 3783171.959 507.67
   LOCATION L0008908 VOLUME 466739.685 3783167.679 507.83
   LOCATION L0008909 VOLUME 466747.498 3783160.554 508.24
   LOCATION L0008910 VOLUME 466751.444 3783153.156 508.76
   LOCATION L0008911 VOLUME 466754.058 3783144.906 509.36
   LOCATION L0008912 VOLUME 466756.673 3783136.656 509.99
   LOCATION L0008913 VOLUME 466752.255 3783127.637 510.69
   LOCATION L0008914 VOLUME 466744.911 3783119.228 511.24
   LOCATION L0008915 VOLUME 466737.567 3783110.819 511.71
   LOCATION L0008916 VOLUME 466730.224 3783102.409 512.12
   LOCATION L0008917 VOLUME 466722.880 3783094.000 512.32
   LOCATION L0008918 VOLUME 466715.536 3783085.591 512.22
   LOCATION L0008919 VOLUME 466708.192 3783077.182 512.01
   LOCATION L0008920 VOLUME 466700.849 3783068.773 511.70
   LOCATION L0008921 VOLUME 466693.505 3783060.364 511.29
   LOCATION L0008922 VOLUME 466686.161 3783051.955 510.77
   LOCATION L0008923 VOLUME 466678.817 3783043.546 510.14
   LOCATION L0008924 VOLUME 466677.804 3783038.267 509.97
   LOCATION L0008925 VOLUME 466679.757 3783032.392 510.02
   LOCATION L0008926 VOLUME 466686.902 3783023.314 510.50
   LOCATION L0008927 VOLUME 466695.239 3783014.972 511.21
   LOCATION L0008928 VOLUME 466703.577 3783006.631 512.04
   LOCATION L0008929 VOLUME 466711.914 3782998.289 512.17
   LOCATION L0008930 VOLUME 466720.252 3782989.947 512.05
   LOCATION L0008931 VOLUME 466728.589 3782981.606 511.86
   LOCATION L0008932 VOLUME 466736.927 3782973.264 511.62
   LOCATION L0008933 VOLUME 466745.264 3782964.922 511.32
   LOCATION L0008934 VOLUME 466753.602 3782956.581 511.14
   LOCATION L0008935 VOLUME 466761.939 3782948.239 511.30
   LOCATION L0008936 VOLUME 466770.277 3782939.897 511.44
   LOCATION L0008937 VOLUME 466778.614 3782931.556 511.56
   LOCATION L0008938 VOLUME 466786.952 3782923.214 511.66
   LOCATION L0008939 VOLUME 466795.289 3782914.872 511.74
   LOCATION L0008940 VOLUME 466803.627 3782906.531 511.70
   LOCATION L0008941 VOLUME 466811.964 3782898.189 511.48
   LOCATION L0008942 VOLUME 466820.302 3782889.847 511.08
   LOCATION L0008943 VOLUME 466828.639 3782881.506 510.52
   LOCATION L0008944 VOLUME 466836.976 3782873.164 510.03
   LOCATION L0008945 VOLUME 466845.314 3782864.823 509.53
   LOCATION L0008946 VOLUME 466853.651 3782856.481 509.00
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   LOCATION L0008947 VOLUME 466861.989 3782848.139 508.46
   LOCATION L0008948 VOLUME 466870.326 3782839.798 507.89
   LOCATION L0008949 VOLUME 466878.664 3782831.456 507.31
   LOCATION L0008950 VOLUME 466887.001 3782823.114 506.70
   LOCATION L0008951 VOLUME 466895.339 3782814.773 506.38
   LOCATION L0008952 VOLUME 466903.676 3782806.431 506.14
   LOCATION L0008953 VOLUME 466912.014 3782798.089 505.41
   LOCATION L0008954 VOLUME 466920.351 3782789.748 504.56
   LOCATION L0008955 VOLUME 466928.689 3782781.406 503.62
** End of Line Source
** Line Source represented by Separated Volume Sources
** ---------------------------------------------------------------------
** LINE Source ID = TKSO
** DESCRSRC Truck South Docks Out
** Length of Side = 6.10
** Emission Rate = 1
** Vertical Dimension = 6.00
** SZINIT = 2.79
** Nodes = 11
** 466938.67, 3782789.78, 505.63, 5.00, 0.0
** 466692.44, 3783026.89, 510.61, 5.00, 5.58
** 466687.23, 3783034.70, 510.70, 5.00, 4.35
** 466695.05, 3783051.64, 511.64, 5.00, 4.35
** 466769.30, 3783133.72, 510.45, 5.00, 5.15
** 466749.76, 3783175.41, 506.21, 5.00, 5.36
** 466726.31, 3783181.92, 507.06, 5.00, 5.66
** 466706.77, 3783174.10, 508.12, 5.00, 4.91
** 466692.44, 3783142.84, 509.55, 5.00, 5.33
** 466675.50, 3783128.51, 510.34, 5.00, 5.15
** 466616.14, 3783070.82, 509.37, 5.00, 5.50
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   LOCATION L0008956 VOLUME 466936.461 3782791.865 505.63
   LOCATION L0008957 VOLUME 466927.825 3782800.187 506.54
   LOCATION L0008958 VOLUME 466919.188 3782808.509 507.35
   LOCATION L0008959 VOLUME 466910.551 3782816.831 508.05
   LOCATION L0008960 VOLUME 466901.914 3782825.154 508.86
   LOCATION L0008961 VOLUME 466893.278 3782833.476 509.44
   LOCATION L0008962 VOLUME 466884.641 3782841.798 510.00
   LOCATION L0008963 VOLUME 466876.004 3782850.120 510.54
   LOCATION L0008964 VOLUME 466867.367 3782858.442 511.06
   LOCATION L0008965 VOLUME 466858.731 3782866.764 511.56
   LOCATION L0008966 VOLUME 466850.094 3782875.086 512.04
   LOCATION L0008967 VOLUME 466841.457 3782883.409 512.50
   LOCATION L0008968 VOLUME 466832.820 3782891.731 512.93
   LOCATION L0008969 VOLUME 466824.184 3782900.053 513.35
   LOCATION L0008970 VOLUME 466815.547 3782908.375 513.64
   LOCATION L0008971 VOLUME 466806.910 3782916.697 513.66
   LOCATION L0008972 VOLUME 466798.273 3782925.019 513.55
   LOCATION L0008973 VOLUME 466789.637 3782933.341 513.41
   LOCATION L0008974 VOLUME 466781.000 3782941.664 513.26
   LOCATION L0008975 VOLUME 466772.363 3782949.986 513.08
   LOCATION L0008976 VOLUME 466763.726 3782958.308 512.88
   LOCATION L0008977 VOLUME 466755.090 3782966.630 512.67
   LOCATION L0008978 VOLUME 466746.453 3782974.952 512.71
   LOCATION L0008979 VOLUME 466737.816 3782983.274 512.95
   LOCATION L0008980 VOLUME 466729.179 3782991.596 513.12
   LOCATION L0008981 VOLUME 466720.543 3782999.919 513.24
   LOCATION L0008982 VOLUME 466711.906 3783008.241 512.88
   LOCATION L0008983 VOLUME 466703.269 3783016.563 511.98
   LOCATION L0008984 VOLUME 466694.632 3783024.885 511.20
   LOCATION L0008985 VOLUME 466688.921 3783032.222 510.76
   LOCATION L0008986 VOLUME 466689.852 3783040.480 510.91
   LOCATION L0008987 VOLUME 466693.758 3783048.980 511.24
   LOCATION L0008988 VOLUME 466700.413 3783057.691 511.68
   LOCATION L0008989 VOLUME 466707.841 3783065.891 512.07
   LOCATION L0008990 VOLUME 466715.269 3783074.091 512.36
   LOCATION L0008991 VOLUME 466722.697 3783082.291 512.54
   LOCATION L0008992 VOLUME 466730.126 3783090.491 512.62
   LOCATION L0008993 VOLUME 466737.554 3783098.691 512.54
   LOCATION L0008994 VOLUME 466744.982 3783106.891 512.13
   LOCATION L0008995 VOLUME 466752.410 3783115.091 511.65
   LOCATION L0008996 VOLUME 466759.838 3783123.291 511.03
   LOCATION L0008997 VOLUME 466767.266 3783131.491 510.37
   LOCATION L0008998 VOLUME 466765.715 3783141.427 509.56
   LOCATION L0008999 VOLUME 466760.825 3783151.865 508.76
   LOCATION L0009000 VOLUME 466755.934 3783162.302 508.00
   LOCATION L0009001 VOLUME 466751.043 3783172.740 507.29
   LOCATION L0009002 VOLUME 466740.968 3783177.935 507.09
   LOCATION L0009003 VOLUME 466729.250 3783181.185 507.12
   LOCATION L0009004 VOLUME 466719.367 3783179.155 507.45
   LOCATION L0009005 VOLUME 466709.602 3783175.155 507.85
   LOCATION L0009006 VOLUME 466703.271 3783166.353 508.39
   LOCATION L0009007 VOLUME 466698.490 3783155.937 508.93
   LOCATION L0009008 VOLUME 466693.709 3783145.520 509.42
   LOCATION L0009009 VOLUME 466686.301 3783137.587 509.73
   LOCATION L0009010 VOLUME 466677.832 3783130.462 509.95
   LOCATION L0009011 VOLUME 466669.207 3783122.376 510.18
   LOCATION L0009012 VOLUME 466660.729 3783114.126 510.38
   LOCATION L0009013 VOLUME 466652.251 3783105.876 510.52
   LOCATION L0009014 VOLUME 466643.774 3783097.626 510.60
   LOCATION L0009015 VOLUME 466635.296 3783089.376 510.17
   LOCATION L0009016 VOLUME 466626.818 3783081.126 509.69
   LOCATION L0009017 VOLUME 466618.341 3783072.876 509.14
** End of Line Source
** Line Source represented by Separated Volume Sources
** ---------------------------------------------------------------------
** LINE Source ID = TKNI
** DESCRSRC Truck North Docks In
** Length of Side = 6.10
** Emission Rate = 1
** Vertical Dimension = 6.00
** SZINIT = 2.79
** Nodes = 8
** 466629.22, 3783063.82, 509.16, 5.00, 0.0
** 466690.63, 3783127.27, 510.36, 5.00, 5.46
** 466697.65, 3783144.14, 509.46, 5.00, 4.28
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** 466719.80, 3783168.89, 507.89, 5.00, 5.15
** 466738.04, 3783171.50, 506.59, 5.00, 4.28
** 466769.30, 3783120.69, 511.70, 5.00, 5.55
** 466926.94, 3783124.60, 510.59, 5.00, 5.64
** 467174.47, 3782894.00, 501.84, 5.00, 5.62
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   LOCATION L0009018 VOLUME 466631.338 3783065.941 509.17
   LOCATION L0009019 VOLUME 466639.505 3783074.386 509.70
   LOCATION L0009020 VOLUME 466647.671 3783082.832 510.16
   LOCATION L0009021 VOLUME 466655.838 3783091.277 510.57
   LOCATION L0009022 VOLUME 466664.005 3783099.723 510.80
   LOCATION L0009023 VOLUME 466672.172 3783108.168 510.63
   LOCATION L0009024 VOLUME 466680.339 3783116.614 510.46
   LOCATION L0009025 VOLUME 466688.506 3783125.059 510.24
   LOCATION L0009026 VOLUME 466692.976 3783132.933 509.95
   LOCATION L0009027 VOLUME 466696.491 3783141.433 509.59
   LOCATION L0009028 VOLUME 466703.009 3783150.229 509.18
   LOCATION L0009029 VOLUME 466710.394 3783158.479 508.71
   LOCATION L0009030 VOLUME 466717.780 3783166.729 508.18
   LOCATION L0009031 VOLUME 466725.902 3783169.836 507.88
   LOCATION L0009032 VOLUME 466735.012 3783171.086 507.66
   LOCATION L0009033 VOLUME 466742.688 3783163.945 508.05
   LOCATION L0009034 VOLUME 466748.944 3783153.795 508.73
   LOCATION L0009035 VOLUME 466755.201 3783143.645 509.45
   LOCATION L0009036 VOLUME 466761.457 3783133.495 510.22
   LOCATION L0009037 VOLUME 466767.713 3783123.345 511.04
   LOCATION L0009038 VOLUME 466778.390 3783120.966 511.27
   LOCATION L0009039 VOLUME 466790.515 3783121.254 511.27
   LOCATION L0009040 VOLUME 466802.640 3783121.543 511.27
   LOCATION L0009041 VOLUME 466814.765 3783121.831 511.27
   LOCATION L0009042 VOLUME 466826.890 3783122.120 511.27
   LOCATION L0009043 VOLUME 466839.015 3783122.408 511.16
   LOCATION L0009044 VOLUME 466851.140 3783122.697 511.03
   LOCATION L0009045 VOLUME 466863.265 3783122.985 510.90
   LOCATION L0009046 VOLUME 466875.390 3783123.274 510.77
   LOCATION L0009047 VOLUME 466887.515 3783123.562 510.64
   LOCATION L0009048 VOLUME 466899.640 3783123.851 510.51
   LOCATION L0009049 VOLUME 466911.765 3783124.139 510.31
   LOCATION L0009050 VOLUME 466923.890 3783124.428 510.06
   LOCATION L0009051 VOLUME 466933.547 3783118.345 510.71
   LOCATION L0009052 VOLUME 466942.388 3783110.113 511.67
   LOCATION L0009053 VOLUME 466951.228 3783101.881 512.66
   LOCATION L0009054 VOLUME 466960.068 3783093.649 513.84
   LOCATION L0009055 VOLUME 466968.909 3783085.416 515.34
   LOCATION L0009056 VOLUME 466977.749 3783077.184 516.81
   LOCATION L0009057 VOLUME 466986.590 3783068.952 518.02
   LOCATION L0009058 VOLUME 466995.430 3783060.720 518.88
   LOCATION L0009059 VOLUME 467004.270 3783052.488 519.54
   LOCATION L0009060 VOLUME 467013.111 3783044.256 520.00
   LOCATION L0009061 VOLUME 467021.951 3783036.024 520.25
   LOCATION L0009062 VOLUME 467030.792 3783027.791 520.30
   LOCATION L0009063 VOLUME 467039.632 3783019.559 520.14
   LOCATION L0009064 VOLUME 467048.472 3783011.327 519.77
   LOCATION L0009065 VOLUME 467057.313 3783003.095 519.21
   LOCATION L0009066 VOLUME 467066.153 3782994.863 518.67
   LOCATION L0009067 VOLUME 467074.994 3782986.631 518.01
   LOCATION L0009068 VOLUME 467083.834 3782978.399 517.23
   LOCATION L0009069 VOLUME 467092.675 3782970.166 516.33
   LOCATION L0009070 VOLUME 467101.515 3782961.934 515.31
   LOCATION L0009071 VOLUME 467110.355 3782953.702 514.17
   LOCATION L0009072 VOLUME 467119.196 3782945.470 512.90
   LOCATION L0009073 VOLUME 467128.036 3782937.238 511.50
   LOCATION L0009074 VOLUME 467136.877 3782929.006 510.04
   LOCATION L0009075 VOLUME 467145.717 3782920.774 508.64
   LOCATION L0009076 VOLUME 467154.557 3782912.541 507.11
   LOCATION L0009077 VOLUME 467163.398 3782904.309 504.93
   LOCATION L0009078 VOLUME 467172.238 3782896.077 502.62
** End of Line Source
** Line Source represented by Separated Volume Sources
** ----------------------------------------------------------------------
** LINE Source ID = TKNO
** DESCRSRC Truck North Dock Out
** Length of Side = 6.10
** Emission Rate = 1
** Vertical Dimension = 6.00
** SZINIT = 2.79
** Nodes = 9
** 466617.65, 3783072.47, 509.43, 5.00, 0.0
** 466683.49, 3783134.93, 510.00, 5.00, 5.63
** 466691.14, 3783148.05, 509.25, 5.00, 3.50
** 466701.56, 3783170.19, 508.29, 5.00, 3.81
** 466727.61, 3783181.92, 506.98, 5.00, 4.43
** 466752.37, 3783174.10, 506.25, 5.00, 4.03
** 466778.42, 3783129.81, 510.71, 5.00, 4.78
** 466932.15, 3783131.11, 509.35, 5.00, 5.50
** 467180.99, 3782904.43, 500.08, 5.00, 5.59
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   LOCATION L0009079 VOLUME 466619.867 3783074.598 509.26
   LOCATION L0009080 VOLUME 466628.642 3783082.927 509.80
   LOCATION L0009081 VOLUME 466637.416 3783091.256 510.28
   LOCATION L0009082 VOLUME 466646.191 3783099.585 510.59
   LOCATION L0009083 VOLUME 466654.965 3783107.915 510.49
   LOCATION L0009084 VOLUME 466663.740 3783116.244 510.33
   LOCATION L0009085 VOLUME 466672.515 3783124.573 510.12
   LOCATION L0009086 VOLUME 466681.289 3783132.902 509.89
   LOCATION L0009087 VOLUME 466685.770 3783138.871 509.68
   LOCATION L0009088 VOLUME 466689.583 3783145.371 509.43
   LOCATION L0009089 VOLUME 466693.310 3783152.657 509.11
   LOCATION L0009090 VOLUME 466696.789 3783160.074 508.76
   LOCATION L0009091 VOLUME 466700.268 3783167.491 508.38
   LOCATION L0009092 VOLUME 466707.471 3783172.914 508.01
   LOCATION L0009093 VOLUME 466716.159 3783176.831 507.64
   LOCATION L0009094 VOLUME 466724.846 3783180.747 507.24
   LOCATION L0009095 VOLUME 466732.975 3783180.271 507.10
   LOCATION L0009096 VOLUME 466741.225 3783177.604 507.11
   LOCATION L0009097 VOLUME 466749.475 3783174.937 507.15
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   LOCATION L0009098 VOLUME 466756.041 3783167.776 507.58
   LOCATION L0009099 VOLUME 466761.253 3783158.926 508.19
   LOCATION L0009100 VOLUME 466766.466 3783150.076 508.85
   LOCATION L0009101 VOLUME 466771.678 3783141.226 509.54
   LOCATION L0009102 VOLUME 466776.891 3783132.376 510.28
   LOCATION L0009103 VOLUME 466787.214 3783129.821 510.49
   LOCATION L0009104 VOLUME 466799.039 3783129.918 510.46
   LOCATION L0009105 VOLUME 466810.863 3783130.014 510.44
   LOCATION L0009106 VOLUME 466822.688 3783130.110 510.41
   LOCATION L0009107 VOLUME 466834.512 3783130.206 510.33
   LOCATION L0009108 VOLUME 466846.337 3783130.302 510.21
   LOCATION L0009109 VOLUME 466858.161 3783130.398 510.08
   LOCATION L0009110 VOLUME 466869.986 3783130.494 509.95
   LOCATION L0009111 VOLUME 466881.810 3783130.591 509.82
   LOCATION L0009112 VOLUME 466893.635 3783130.687 509.69
   LOCATION L0009113 VOLUME 466905.459 3783130.783 509.56
   LOCATION L0009114 VOLUME 466917.284 3783130.879 509.33
   LOCATION L0009115 VOLUME 466929.108 3783130.975 509.10
   LOCATION L0009116 VOLUME 466938.789 3783124.962 509.73
   LOCATION L0009117 VOLUME 466947.677 3783116.873 510.67
   LOCATION L0009118 VOLUME 466956.564 3783108.784 511.64
   LOCATION L0009119 VOLUME 466965.451 3783100.695 512.62
   LOCATION L0009120 VOLUME 466974.339 3783092.605 513.84
   LOCATION L0009121 VOLUME 466983.226 3783084.516 515.24
   LOCATION L0009122 VOLUME 466992.113 3783076.427 516.31
   LOCATION L0009123 VOLUME 467001.000 3783068.337 517.18
   LOCATION L0009124 VOLUME 467009.888 3783060.248 517.85
   LOCATION L0009125 VOLUME 467018.775 3783052.159 518.31
   LOCATION L0009126 VOLUME 467027.662 3783044.070 518.57
   LOCATION L0009127 VOLUME 467036.549 3783035.980 518.63
   LOCATION L0009128 VOLUME 467045.437 3783027.891 518.49
   LOCATION L0009129 VOLUME 467054.324 3783019.802 518.14
   LOCATION L0009130 VOLUME 467063.211 3783011.712 517.65
   LOCATION L0009131 VOLUME 467072.099 3783003.623 517.02
   LOCATION L0009132 VOLUME 467080.986 3782995.534 516.37
   LOCATION L0009133 VOLUME 467089.873 3782987.445 515.61
   LOCATION L0009134 VOLUME 467098.760 3782979.355 514.72
   LOCATION L0009135 VOLUME 467107.648 3782971.266 513.70
   LOCATION L0009136 VOLUME 467116.535 3782963.177 512.57
   LOCATION L0009137 VOLUME 467125.422 3782955.087 511.32
   LOCATION L0009138 VOLUME 467134.310 3782946.998 509.94
   LOCATION L0009139 VOLUME 467143.197 3782938.909 508.66
   LOCATION L0009140 VOLUME 467152.084 3782930.820 507.27
   LOCATION L0009141 VOLUME 467160.971 3782922.730 505.76
   LOCATION L0009142 VOLUME 467169.859 3782914.641 504.13
   LOCATION L0009143 VOLUME 467178.746 3782906.552 502.10
** End of Line Source
** Line Source represented by Separated Volume Sources
** ---------------------------------------------------------------------
** LINE Source ID = TKNIDL
** DESCRSRC Truck north bay Idling
** Length of Side = 2.43
** Emission Rate = 1
** Vertical Dimension = 6.00
** SZINIT = 2.79
** Nodes = 2
** 466922.59, 3783120.18, 511.47, 5.00, 0.0
** 467168.22, 3782884.96, 502.86, 5.00, 2.24
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   LOCATION L0009144 VOLUME 466923.471 3783119.410 510.73
   LOCATION L0009145 VOLUME 466926.955 3783116.073 511.12
   LOCATION L0009146 VOLUME 466930.439 3783112.736 511.51
   LOCATION L0009147 VOLUME 466933.923 3783109.399 511.90
   LOCATION L0009148 VOLUME 466937.407 3783106.063 512.29
   LOCATION L0009149 VOLUME 466940.891 3783102.726 512.69
   LOCATION L0009150 VOLUME 466944.374 3783099.389 513.09
   LOCATION L0009151 VOLUME 466947.858 3783096.053 513.53
   LOCATION L0009152 VOLUME 466951.342 3783092.716 514.16
   LOCATION L0009153 VOLUME 466954.826 3783089.379 514.78
   LOCATION L0009154 VOLUME 466958.310 3783086.043 515.40
   LOCATION L0009155 VOLUME 466961.794 3783082.706 516.01
   LOCATION L0009156 VOLUME 466965.278 3783079.369 516.61
   LOCATION L0009157 VOLUME 466968.761 3783076.032 517.21
   LOCATION L0009158 VOLUME 466972.245 3783072.696 517.80
   LOCATION L0009159 VOLUME 466975.729 3783069.359 518.38
   LOCATION L0009160 VOLUME 466979.213 3783066.022 518.96
   LOCATION L0009161 VOLUME 466982.697 3783062.686 519.48
   LOCATION L0009162 VOLUME 466986.181 3783059.349 519.85
   LOCATION L0009163 VOLUME 466989.665 3783056.012 520.19
   LOCATION L0009164 VOLUME 466993.148 3783052.676 520.49
   LOCATION L0009165 VOLUME 466996.632 3783049.339 520.77
   LOCATION L0009166 VOLUME 467000.116 3783046.002 521.00
   LOCATION L0009167 VOLUME 467003.600 3783042.665 521.21
   LOCATION L0009168 VOLUME 467007.084 3783039.329 521.38
   LOCATION L0009169 VOLUME 467010.568 3783035.992 521.52
   LOCATION L0009170 VOLUME 467014.052 3783032.655 521.63
   LOCATION L0009171 VOLUME 467017.535 3783029.319 521.71
   LOCATION L0009172 VOLUME 467021.019 3783025.982 521.75
   LOCATION L0009173 VOLUME 467024.503 3783022.645 521.76
   LOCATION L0009174 VOLUME 467027.987 3783019.308 521.73
   LOCATION L0009175 VOLUME 467031.471 3783015.972 521.68
   LOCATION L0009176 VOLUME 467034.955 3783012.635 521.59
   LOCATION L0009177 VOLUME 467038.439 3783009.298 521.47
   LOCATION L0009178 VOLUME 467041.922 3783005.962 521.31
   LOCATION L0009179 VOLUME 467045.406 3783002.625 521.10
   LOCATION L0009180 VOLUME 467048.890 3782999.288 520.86
   LOCATION L0009181 VOLUME 467052.374 3782995.952 520.63
   LOCATION L0009182 VOLUME 467055.858 3782992.615 520.42
   LOCATION L0009183 VOLUME 467059.342 3782989.278 520.23
   LOCATION L0009184 VOLUME 467062.826 3782985.941 520.00
   LOCATION L0009185 VOLUME 467066.309 3782982.605 519.74
   LOCATION L0009186 VOLUME 467069.793 3782979.268 519.47
   LOCATION L0009187 VOLUME 467073.277 3782975.931 519.18
   LOCATION L0009188 VOLUME 467076.761 3782972.595 518.87
   LOCATION L0009189 VOLUME 467080.245 3782969.258 518.54
   LOCATION L0009190 VOLUME 467083.729 3782965.921 518.19
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   LOCATION L0009191 VOLUME 467087.213 3782962.585 517.82
   LOCATION L0009192 VOLUME 467090.696 3782959.248 517.43
   LOCATION L0009193 VOLUME 467094.180 3782955.911 517.02
   LOCATION L0009194 VOLUME 467097.664 3782952.574 516.59
   LOCATION L0009195 VOLUME 467101.148 3782949.238 516.14
   LOCATION L0009196 VOLUME 467104.632 3782945.901 515.68
   LOCATION L0009197 VOLUME 467108.116 3782942.564 515.19
   LOCATION L0009198 VOLUME 467111.600 3782939.228 514.68
   LOCATION L0009199 VOLUME 467115.083 3782935.891 514.15
   LOCATION L0009200 VOLUME 467118.567 3782932.554 513.61
   LOCATION L0009201 VOLUME 467122.051 3782929.218 513.04
   LOCATION L0009202 VOLUME 467125.535 3782925.881 512.45
   LOCATION L0009203 VOLUME 467129.019 3782922.544 511.85
   LOCATION L0009204 VOLUME 467132.503 3782919.207 511.22
   LOCATION L0009205 VOLUME 467135.987 3782915.871 510.61
   LOCATION L0009206 VOLUME 467139.470 3782912.534 510.03
   LOCATION L0009207 VOLUME 467142.954 3782909.197 509.26
   LOCATION L0009208 VOLUME 467146.438 3782905.861 508.34
   LOCATION L0009209 VOLUME 467149.922 3782902.524 507.41
   LOCATION L0009210 VOLUME 467153.406 3782899.187 506.49
   LOCATION L0009211 VOLUME 467156.890 3782895.851 505.57
   LOCATION L0009212 VOLUME 467160.373 3782892.514 504.65
   LOCATION L0009213 VOLUME 467163.857 3782889.177 503.74
   LOCATION L0009214 VOLUME 467167.341 3782885.840 502.83
** End of Line Source
** Line Source represented by Separated Volume Sources
** ---------------------------------------------------------------------
** LINE Source ID = TKSIDL
** DESCRSRC Truck Dock South Idling
** Length of Side = 2.45
** Emission Rate = 1
** Vertical Dimension = 6.00
** SZINIT = 2.79
** Nodes = 2
** 466741.78, 3782984.97, 516.11, 5.00, 0.0
** 466942.60, 3782793.75, 506.43, 5.00, 2.24
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   LOCATION L0009215 VOLUME 466742.668 3782984.155 513.52
   LOCATION L0009216 VOLUME 466746.160 3782980.830 513.43
   LOCATION L0009217 VOLUME 466749.652 3782977.504 513.33
   LOCATION L0009218 VOLUME 466753.144 3782974.178 513.35
   LOCATION L0009219 VOLUME 466756.636 3782970.853 513.45
   LOCATION L0009220 VOLUME 466760.128 3782967.527 513.55
   LOCATION L0009221 VOLUME 466763.620 3782964.201 513.64
   LOCATION L0009222 VOLUME 466767.112 3782960.876 513.73
   LOCATION L0009223 VOLUME 466770.604 3782957.550 513.82
   LOCATION L0009224 VOLUME 466774.095 3782954.225 513.90
   LOCATION L0009225 VOLUME 466777.587 3782950.899 513.98
   LOCATION L0009226 VOLUME 466781.079 3782947.573 514.06
   LOCATION L0009227 VOLUME 466784.571 3782944.248 514.13
   LOCATION L0009228 VOLUME 466788.063 3782940.922 514.20
   LOCATION L0009229 VOLUME 466791.555 3782937.596 514.27
   LOCATION L0009230 VOLUME 466795.047 3782934.271 514.33
   LOCATION L0009231 VOLUME 466798.539 3782930.945 514.39
   LOCATION L0009232 VOLUME 466802.031 3782927.620 514.45
   LOCATION L0009233 VOLUME 466805.523 3782924.294 514.50
   LOCATION L0009234 VOLUME 466809.014 3782920.968 514.55
   LOCATION L0009235 VOLUME 466812.506 3782917.643 514.60
   LOCATION L0009236 VOLUME 466815.998 3782914.317 514.64
   LOCATION L0009237 VOLUME 466819.490 3782910.992 514.65
   LOCATION L0009238 VOLUME 466822.982 3782907.666 514.55
   LOCATION L0009239 VOLUME 466826.474 3782904.340 514.43
   LOCATION L0009240 VOLUME 466829.966 3782901.015 514.28
   LOCATION L0009241 VOLUME 466833.458 3782897.689 514.11
   LOCATION L0009242 VOLUME 466836.950 3782894.363 513.95
   LOCATION L0009243 VOLUME 466840.442 3782891.038 513.78
   LOCATION L0009244 VOLUME 466843.933 3782887.712 513.61
   LOCATION L0009245 VOLUME 466847.425 3782884.387 513.44
   LOCATION L0009246 VOLUME 466850.917 3782881.061 513.26
   LOCATION L0009247 VOLUME 466854.409 3782877.735 513.08
   LOCATION L0009248 VOLUME 466857.901 3782874.410 512.89
   LOCATION L0009249 VOLUME 466861.393 3782871.084 512.70
   LOCATION L0009250 VOLUME 466864.885 3782867.758 512.51
   LOCATION L0009251 VOLUME 466868.377 3782864.433 512.32
   LOCATION L0009252 VOLUME 466871.869 3782861.107 512.12
   LOCATION L0009253 VOLUME 466875.361 3782857.782 511.92
   LOCATION L0009254 VOLUME 466878.852 3782854.456 511.72
   LOCATION L0009255 VOLUME 466882.344 3782851.130 511.51
   LOCATION L0009256 VOLUME 466885.836 3782847.805 511.30
   LOCATION L0009257 VOLUME 466889.328 3782844.479 511.08
   LOCATION L0009258 VOLUME 466892.820 3782841.154 510.87
   LOCATION L0009259 VOLUME 466896.312 3782837.828 510.65
   LOCATION L0009260 VOLUME 466899.804 3782834.502 510.42
   LOCATION L0009261 VOLUME 466903.296 3782831.177 510.20
   LOCATION L0009262 VOLUME 466906.788 3782827.851 509.83
   LOCATION L0009263 VOLUME 466910.279 3782824.525 509.41
   LOCATION L0009264 VOLUME 466913.771 3782821.200 508.99
   LOCATION L0009265 VOLUME 466917.263 3782817.874 508.64
   LOCATION L0009266 VOLUME 466920.755 3782814.549 508.36
   LOCATION L0009267 VOLUME 466924.247 3782811.223 508.06
   LOCATION L0009268 VOLUME 466927.739 3782807.897 507.75
   LOCATION L0009269 VOLUME 466931.231 3782804.572 507.42
   LOCATION L0009270 VOLUME 466934.723 3782801.246 507.07
   LOCATION L0009271 VOLUME 466938.215 3782797.921 506.71
   LOCATION L0009272 VOLUME 466941.707 3782794.595 506.33
** End of Line Source
** Line Source represented by Separated Volume Sources
** ---------------------------------------------------------------------
** LINE Source ID = TKNO2
** DESCRSRC Truck North Docks Out off site
** Length of Side = 6.10
** Emission Rate = 1
** Vertical Dimension = 6.00
** SZINIT = 2.79
** Nodes = 4
** 466614.74, 3783068.03, 509.25, 5.00, 0.0
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** 466562.12, 3783131.09, 510.47, 5.00, 5.05
** 466569.85, 3783141.48, 510.39, 5.00, 3.03
** 466729.00, 3783442.76, 512.59, 5.00, 5.66
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   LOCATION L0009273 VOLUME 466612.796 3783070.339 508.89
   LOCATION L0009274 VOLUME 466605.836 3783078.671 509.14
   LOCATION L0009275 VOLUME 466598.877 3783087.003 509.44
   LOCATION L0009276 VOLUME 466591.917 3783095.334 509.94
   LOCATION L0009277 VOLUME 466584.958 3783103.666 510.17
   LOCATION L0009278 VOLUME 466577.998 3783111.997 510.26
   LOCATION L0009279 VOLUME 466571.039 3783120.329 510.35
   LOCATION L0009280 VOLUME 466564.079 3783128.661 510.44
   LOCATION L0009281 VOLUME 466564.179 3783133.794 510.44
   LOCATION L0009282 VOLUME 466568.038 3783139.044 510.39
   LOCATION L0009283 VOLUME 466574.104 3783149.564 510.31
   LOCATION L0009284 VOLUME 466579.788 3783160.323 510.24
   LOCATION L0009285 VOLUME 466585.472 3783171.082 510.17
   LOCATION L0009286 VOLUME 466591.157 3783181.841 510.09
   LOCATION L0009287 VOLUME 466596.841 3783192.600 509.83
   LOCATION L0009288 VOLUME 466602.525 3783203.359 508.85
   LOCATION L0009289 VOLUME 466608.209 3783214.117 507.79
   LOCATION L0009290 VOLUME 466613.893 3783224.876 506.65
   LOCATION L0009291 VOLUME 466619.577 3783235.635 505.45
   LOCATION L0009292 VOLUME 466625.261 3783246.394 504.18
   LOCATION L0009293 VOLUME 466630.946 3783257.153 502.84
   LOCATION L0009294 VOLUME 466636.630 3783267.912 501.43
   LOCATION L0009295 VOLUME 466642.314 3783278.671 499.95
   LOCATION L0009296 VOLUME 466647.998 3783289.430 500.27
   LOCATION L0009297 VOLUME 466653.682 3783300.189 501.69
   LOCATION L0009298 VOLUME 466659.366 3783310.948 503.25
   LOCATION L0009299 VOLUME 466665.051 3783321.707 504.98
   LOCATION L0009300 VOLUME 466670.735 3783332.466 506.85
   LOCATION L0009301 VOLUME 466676.419 3783343.225 508.89
   LOCATION L0009302 VOLUME 466682.103 3783353.984 511.07
   LOCATION L0009303 VOLUME 466687.787 3783364.743 513.24
   LOCATION L0009304 VOLUME 466693.471 3783375.501 515.23
   LOCATION L0009305 VOLUME 466699.155 3783386.260 515.25
   LOCATION L0009306 VOLUME 466704.840 3783397.019 515.13
   LOCATION L0009307 VOLUME 466710.524 3783407.778 514.87
   LOCATION L0009308 VOLUME 466716.208 3783418.537 514.47
   LOCATION L0009309 VOLUME 466721.892 3783429.296 513.94
   LOCATION L0009310 VOLUME 466727.576 3783440.055 513.27
** End of Line Source
** Line Source represented by Separated Volume Sources
** ----------------------------------------------------------------------
** LINE Source ID = TKSO2
** DESCRSRC Truck South Dock Out offsite
** Length of Side = 6.10
** Emission Rate = 1
** Vertical Dimension = 6.00
** SZINIT = 2.79
** Nodes = 3
** 466614.74, 3783070.07, 509.34, 5.00, 0.0
** 466562.37, 3783127.87, 510.46, 5.00, 5.57
** 466728.32, 3783441.40, 512.73, 5.00, 5.50
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   LOCATION L0009311 VOLUME 466612.702 3783072.258 508.98
   LOCATION L0009312 VOLUME 466604.656 3783081.130 509.24
   LOCATION L0009313 VOLUME 466596.609 3783090.003 509.59
   LOCATION L0009314 VOLUME 466588.563 3783098.875 510.12
   LOCATION L0009315 VOLUME 466580.516 3783107.747 510.23
   LOCATION L0009316 VOLUME 466572.469 3783116.620 510.33
   LOCATION L0009317 VOLUME 466564.423 3783125.492 510.44
   LOCATION L0009318 VOLUME 466566.481 3783135.514 510.41
   LOCATION L0009319 VOLUME 466572.012 3783145.972 510.34
   LOCATION L0009320 VOLUME 466577.544 3783156.431 510.27
   LOCATION L0009321 VOLUME 466583.075 3783166.889 510.20
   LOCATION L0009322 VOLUME 466588.606 3783177.347 510.12
   LOCATION L0009323 VOLUME 466594.137 3783187.806 510.05
   LOCATION L0009324 VOLUME 466599.669 3783198.264 509.34
   LOCATION L0009325 VOLUME 466605.200 3783208.722 508.33
   LOCATION L0009326 VOLUME 466610.731 3783219.181 507.27
   LOCATION L0009327 VOLUME 466616.262 3783229.639 506.13
   LOCATION L0009328 VOLUME 466621.794 3783240.097 504.94
   LOCATION L0009329 VOLUME 466627.325 3783250.556 503.67
   LOCATION L0009330 VOLUME 466632.856 3783261.014 502.35
   LOCATION L0009331 VOLUME 466638.387 3783271.472 500.95
   LOCATION L0009332 VOLUME 466643.919 3783281.931 499.50
   LOCATION L0009333 VOLUME 466649.450 3783292.389 500.66
   LOCATION L0009334 VOLUME 466654.981 3783302.847 502.07
   LOCATION L0009335 VOLUME 466660.512 3783313.306 503.62
   LOCATION L0009336 VOLUME 466666.044 3783323.764 505.32
   LOCATION L0009337 VOLUME 466671.575 3783334.222 507.17
   LOCATION L0009338 VOLUME 466677.106 3783344.681 509.19
   LOCATION L0009339 VOLUME 466682.637 3783355.139 511.30
   LOCATION L0009340 VOLUME 466688.169 3783365.597 513.41
   LOCATION L0009341 VOLUME 466693.700 3783376.056 515.24
   LOCATION L0009342 VOLUME 466699.231 3783386.514 515.25
   LOCATION L0009343 VOLUME 466704.762 3783396.972 515.13
   LOCATION L0009344 VOLUME 466710.294 3783407.431 514.88
   LOCATION L0009345 VOLUME 466715.825 3783417.889 514.50
   LOCATION L0009346 VOLUME 466721.356 3783428.347 513.99
   LOCATION L0009347 VOLUME 466726.888 3783438.806 513.36
** End of Line Source
** Line Source represented by Separated Volume Sources
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** LINE Source ID = TKNI2
** DESCRSRC Truck North Bay in offsite
** Length of Side = 6.10
** Emission Rate = 1
** Vertical Dimension = 6.00
** SZINIT = 2.79
** Nodes = 4
** 466630.38, 3783064.63, 509.22, 5.00, 0.0
** 466616.78, 3783053.74, 508.44, 5.00, 5.30
** 466555.57, 3783132.64, 510.55, 5.00, 5.17
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** 466722.20, 3783444.80, 513.14, 5.00, 5.48
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   LOCATION L0008854 VOLUME 466619.151 3783055.667 508.39
   LOCATION L0008855 VOLUME 466611.846 3783060.119 508.38
   LOCATION L0008856 VOLUME 466605.044 3783068.896 508.63
   LOCATION L0008857 VOLUME 466598.242 3783077.674 508.93
   LOCATION L0008858 VOLUME 466591.440 3783086.452 509.42
   LOCATION L0008859 VOLUME 466584.638 3783095.230 510.01
   LOCATION L0008860 VOLUME 466577.836 3783104.007 510.26
   LOCATION L0008861 VOLUME 466571.034 3783112.785 510.35
   LOCATION L0008862 VOLUME 466564.232 3783121.563 510.44
   LOCATION L0008863 VOLUME 466557.430 3783130.341 510.53
   LOCATION L0008864 VOLUME 466559.681 3783140.461 510.50
   LOCATION L0008865 VOLUME 466565.235 3783150.861 510.43
   LOCATION L0008866 VOLUME 466570.789 3783161.261 510.36
   LOCATION L0008867 VOLUME 466576.343 3783171.661 510.28
   LOCATION L0008868 VOLUME 466581.897 3783182.061 510.21
   LOCATION L0008869 VOLUME 466587.452 3783192.461 509.97
   LOCATION L0008870 VOLUME 466593.006 3783202.861 509.11
   LOCATION L0008871 VOLUME 466598.560 3783213.261 508.24
   LOCATION L0008872 VOLUME 466604.114 3783223.661 507.20
   LOCATION L0008873 VOLUME 466609.668 3783234.061 506.09
   LOCATION L0008874 VOLUME 466615.222 3783244.461 504.92
   LOCATION L0008875 VOLUME 466620.777 3783254.861 503.69
   LOCATION L0008876 VOLUME 466626.331 3783265.261 502.39
   LOCATION L0008877 VOLUME 466631.885 3783275.661 501.03
   LOCATION L0008878 VOLUME 466637.439 3783286.061 500.50
   LOCATION L0008879 VOLUME 466642.993 3783296.461 501.70
   LOCATION L0008880 VOLUME 466648.547 3783306.861 503.04
   LOCATION L0008881 VOLUME 466654.102 3783317.261 504.53
   LOCATION L0008882 VOLUME 466659.656 3783327.661 506.16
   LOCATION L0008883 VOLUME 466665.210 3783338.061 507.94
   LOCATION L0008884 VOLUME 466670.764 3783348.461 509.87
   LOCATION L0008885 VOLUME 466676.318 3783358.861 511.94
   LOCATION L0008886 VOLUME 466681.872 3783369.261 514.04
   LOCATION L0008887 VOLUME 466687.427 3783379.661 515.20
   LOCATION L0008888 VOLUME 466692.981 3783390.061 515.26
   LOCATION L0008889 VOLUME 466698.535 3783400.461 515.19
   LOCATION L0008890 VOLUME 466704.089 3783410.861 515.00
   LOCATION L0008891 VOLUME 466709.643 3783421.261 514.67
   LOCATION L0008892 VOLUME 466715.197 3783431.661 514.21
   LOCATION L0008893 VOLUME 466720.752 3783442.061 513.63
** End of Line Source
** Line Source represented by Separated Volume Sources
** ----------------------------------------------------------------------
** LINE Source ID = TKSI2
** DESCRSRC Truck South Dock In off-site
** Length of Side = 6.10
** Emission Rate = 1
** Vertical Dimension = 6.00
** SZINIT = 2.79
** Nodes = 4
** 466626.30, 3783062.59, 509.06, 5.00, 0.0
** 466618.82, 3783051.70, 508.35, 5.00, 3.26
** 466554.89, 3783127.87, 510.56, 5.00, 5.13
** 466721.52, 3783444.80, 513.21, 5.00, 5.55
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   LOCATION L0009349 VOLUME 466620.557 3783054.250 508.37
   LOCATION L0009350 VOLUME 466613.673 3783057.862 508.32
   LOCATION L0009351 VOLUME 466606.573 3783066.306 508.53
   LOCATION L0009352 VOLUME 466599.472 3783074.750 508.80
   LOCATION L0009353 VOLUME 466592.371 3783083.195 509.23
   LOCATION L0009354 VOLUME 466585.271 3783091.639 509.78
   LOCATION L0009355 VOLUME 466578.170 3783100.084 510.26
   LOCATION L0009356 VOLUME 466571.069 3783108.528 510.35
   LOCATION L0009357 VOLUME 466563.969 3783116.973 510.44
   LOCATION L0009358 VOLUME 466556.868 3783125.417 510.54
   LOCATION L0009359 VOLUME 466559.042 3783135.619 510.51
   LOCATION L0009360 VOLUME 466564.596 3783146.185 510.44
   LOCATION L0009361 VOLUME 466570.151 3783156.752 510.36
   LOCATION L0009362 VOLUME 466575.705 3783167.319 510.29
   LOCATION L0009363 VOLUME 466581.259 3783177.885 510.22
   LOCATION L0009364 VOLUME 466586.813 3783188.452 510.15
   LOCATION L0009365 VOLUME 466592.367 3783199.019 509.41
   LOCATION L0009366 VOLUME 466597.921 3783209.585 508.53
   LOCATION L0009367 VOLUME 466603.476 3783220.152 507.50
   LOCATION L0009368 VOLUME 466609.030 3783230.719 506.40
   LOCATION L0009369 VOLUME 466614.584 3783241.285 505.23
   LOCATION L0009370 VOLUME 466620.138 3783251.852 503.99
   LOCATION L0009371 VOLUME 466625.692 3783262.419 502.69
   LOCATION L0009372 VOLUME 466631.246 3783272.985 501.33
   LOCATION L0009373 VOLUME 466636.801 3783283.552 500.18
   LOCATION L0009374 VOLUME 466642.355 3783294.119 501.38
   LOCATION L0009375 VOLUME 466647.909 3783304.685 502.72
   LOCATION L0009376 VOLUME 466653.463 3783315.252 504.22
   LOCATION L0009377 VOLUME 466659.017 3783325.819 505.86
   LOCATION L0009378 VOLUME 466664.571 3783336.385 507.65
   LOCATION L0009379 VOLUME 466670.126 3783346.952 509.58
   LOCATION L0009380 VOLUME 466675.680 3783357.519 511.67
   LOCATION L0009381 VOLUME 466681.234 3783368.085 513.80
   LOCATION L0009382 VOLUME 466686.788 3783378.652 515.18
   LOCATION L0009383 VOLUME 466692.342 3783389.219 515.26
   LOCATION L0009384 VOLUME 466697.896 3783399.785 515.20
   LOCATION L0009385 VOLUME 466703.451 3783410.352 515.02
   LOCATION L0009386 VOLUME 466709.005 3783420.919 514.70
   LOCATION L0009387 VOLUME 466714.559 3783431.485 514.25
   LOCATION L0009388 VOLUME 466720.113 3783442.052 513.67
** End of Line Source
** Line Source represented by Separated Volume Sources
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** LINE Source ID = INQUE
** DESCRSRC queue to get in
** Length of Side = 6.10
** Emission Rate = 1
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** Vertical Dimension = 6.00
** SZINIT = 2.79
** Nodes = 7
** 466694.77, 3782974.62, 508.47, 5.00, 0.0
** 466624.36, 3783060.68, 508.95, 5.00, 5.44
** 466661.60, 3783099.65, 510.94, 5.00, 5.02
** 466696.76, 3783133.92, 510.02, 5.00, 4.57
** 466707.44, 3783157.95, 508.70, 5.00, 4.07
** 466726.14, 3783172.20, 507.44, 5.00, 5.47
** 466743.05, 3783163.30, 506.92, 5.00, 4.46
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   LOCATION L0009709 VOLUME 466692.853 3782976.861 507.98
   LOCATION L0009710 VOLUME 466685.455 3782985.919 508.22
   LOCATION L0009711 VOLUME 466678.057 3782994.978 508.40
   LOCATION L0009712 VOLUME 466670.659 3783004.037 508.71
   LOCATION L0009713 VOLUME 466663.261 3783013.096 508.63
   LOCATION L0009714 VOLUME 466655.864 3783022.154 508.54
   LOCATION L0009715 VOLUME 466648.466 3783031.213 508.50
   LOCATION L0009716 VOLUME 466641.068 3783040.272 508.52
   LOCATION L0009717 VOLUME 466633.670 3783049.331 508.59
   LOCATION L0009718 VOLUME 466626.272 3783058.389 508.72
   LOCATION L0009719 VOLUME 466629.689 3783066.346 509.15
   LOCATION L0009720 VOLUME 466637.139 3783074.146 509.63
   LOCATION L0009721 VOLUME 466644.589 3783081.946 510.07
   LOCATION L0009722 VOLUME 466652.039 3783089.746 510.46
   LOCATION L0009723 VOLUME 466659.489 3783097.546 510.80
   LOCATION L0009724 VOLUME 466666.442 3783104.473 510.69
   LOCATION L0009725 VOLUME 466673.473 3783111.323 510.54
   LOCATION L0009726 VOLUME 466680.504 3783118.173 510.41
   LOCATION L0009727 VOLUME 466687.536 3783125.023 510.24
   LOCATION L0009728 VOLUME 466694.567 3783131.873 510.01
   LOCATION L0009729 VOLUME 466699.073 3783139.216 509.70
   LOCATION L0009730 VOLUME 466702.635 3783147.216 509.32
   LOCATION L0009731 VOLUME 466706.198 3783155.216 508.91
   LOCATION L0009732 VOLUME 466714.358 3783163.277 508.42
   LOCATION L0009733 VOLUME 466723.701 3783170.402 507.88
   LOCATION L0009734 VOLUME 466731.902 3783169.180 507.84
   LOCATION L0009735 VOLUME 466740.371 3783164.680 508.02
** End of Line Source
** Line Source represented by Separated Volume Sources
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** LINE Source ID = OUTQUE
** DESCRSRC Queue to leave
** Length of Side = 6.10
** Emission Rate = 1
** Vertical Dimension = 6.00
** SZINIT = 2.79
** Nodes = 7
** 466689.55, 3783040.41, 511.10, 5.00, 0.0
** 466770.72, 3783134.97, 510.29, 5.00, 5.51
** 466743.94, 3783176.65, 506.25, 5.00, 4.61
** 466722.58, 3783181.10, 507.31, 5.00, 5.07
** 466699.43, 3783165.08, 508.46, 5.00, 4.36
** 466692.31, 3783149.05, 509.19, 5.00, 4.07
** 466620.20, 3783075.16, 509.52, 5.00, 5.33
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   LOCATION L0009645 VOLUME 466691.548 3783042.812 511.05
   LOCATION L0009646 VOLUME 466699.267 3783051.800 511.61
   LOCATION L0009647 VOLUME 466706.985 3783060.787 512.06
   LOCATION L0009648 VOLUME 466714.704 3783069.775 512.38
   LOCATION L0009649 VOLUME 466722.422 3783078.762 512.59
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   LOCATION L0009652 VOLUME 466745.578 3783105.725 512.23
   LOCATION L0009653 VOLUME 466753.296 3783114.713 511.68
   LOCATION L0009654 VOLUME 466761.014 3783123.700 511.00
   LOCATION L0009655 VOLUME 466768.733 3783132.688 510.27
   LOCATION L0009656 VOLUME 466767.008 3783140.784 509.61
   LOCATION L0009657 VOLUME 466761.652 3783149.134 508.97
   LOCATION L0009658 VOLUME 466756.296 3783157.484 508.37
   LOCATION L0009659 VOLUME 466750.939 3783165.834 507.81
   LOCATION L0009660 VOLUME 466745.583 3783174.184 507.27
   LOCATION L0009661 VOLUME 466736.239 3783178.281 507.16
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   LOCATION L0009663 VOLUME 466717.361 3783177.401 507.59
   LOCATION L0009664 VOLUME 466709.652 3783172.068 508.01
   LOCATION L0009665 VOLUME 466701.944 3783166.734 508.39
   LOCATION L0009666 VOLUME 466697.115 3783159.784 508.77
   LOCATION L0009667 VOLUME 466693.552 3783151.784 509.15
   LOCATION L0009668 VOLUME 466686.430 3783142.985 509.52
   LOCATION L0009669 VOLUME 466678.416 3783134.790 509.80
   LOCATION L0009670 VOLUME 466670.402 3783126.596 510.05
   LOCATION L0009671 VOLUME 466662.388 3783118.401 510.27
   LOCATION L0009672 VOLUME 466654.374 3783110.207 510.43
   LOCATION L0009673 VOLUME 466646.360 3783102.012 510.54
   LOCATION L0009674 VOLUME 466638.346 3783093.818 510.39
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   LOCATION L0009676 VOLUME 466622.319 3783077.429 509.44
** End of Line Source
** Source Parameters **
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****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE C:\AERMOD~1\PALMIN~1\MAPAND~1\font.SFC
   PROFFILE C:\AERMOD~1\PALMIN~1\MAPAND~1\font.PFL
   SURFDATA 0 2005
   UAIRDATA 3190 2005
   PROFBASE 367 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
** Auto-Generated Plotfiles
   PLOTFILE ANNUAL Inque PIOP2.AD\AN00G001.PLT
   PLOTFILE ANNUAL OutQue PIOP2.AD\AN00G002.PLT
   PLOTFILE ANNUAL TKNI PIOP2.AD\AN00G003.PLT
   PLOTFILE ANNUAL TKNI2 PIOP2.AD\AN00G004.PLT
   PLOTFILE ANNUAL TKNIDL PIOP2.AD\AN00G005.PLT
   PLOTFILE ANNUAL TKNO PIOP2.AD\AN00G006.PLT
   PLOTFILE ANNUAL TKNO2 PIOP2.AD\AN00G007.PLT
   PLOTFILE ANNUAL TKSI PIOP2.AD\AN00G008.PLT
   PLOTFILE ANNUAL TKSI2 PIOP2.AD\AN00G009.PLT
   PLOTFILE ANNUAL TKSIDL PIOP2.AD\AN00G010.PLT
   PLOTFILE ANNUAL TKSO PIOP2.AD\AN00G011.PLT
   PLOTFILE ANNUAL TKSO2 PIOP2.AD\AN00G012.PLT
   PLOTFILE ANNUAL ALL PIOP2.AD\AN00GALL.PLT
OU FINISHED


 *** Message Summary For AERMOD Model Setup ***

 --------- Summary of Total Messages --------

A Total of            0 Fatal Error Message(s)
A Total of            4 Warning Message(s)
A Total of            0 Informational Message(s)


   ******** FATAL ERROR MESSAGES ********
              ***  NONE  ***


   ********   WARNING MESSAGES   ********
OU W565  1567 PERPLT:Possible Conflict With Dynamically Allocated FUNIT PLOTFILE
OU W565  1568 PERPLT:Possible Conflict With Dynamically Allocated FUNIT PLOTFILE
OU W565  1569 PERPLT:Possible Conflict With Dynamically Allocated FUNIT PLOTFILE
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OU W565  1570 PERPLT:Possible Conflict With Dynamically Allocated FUNIT PLOTFILE

************************************
*** SETUP Finishes Successfully ***
************************************

 *** AERMOD - VERSION 07026 ***    *** C:\AERMOD Projects\Palm Industrial\2011 Revisions\Operational\PIop20 ***        08/10/11
                                  *** DPM Emissions for HRA                                                  ***        17:10:23
**MODELOPTS:                                                                                                            PAGE   1
CONC                       DFAULT ELEV

                                          ***     MODEL SETUP OPTIONS SUMMARY       ***
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

**Model Is Setup For Calculation of Average CONCentration Values.

  --  DEPOSITION LOGIC  --
**Model Uses NO DRY DEPLETION.  DDPLETE =  F
**Model Uses NO WET DEPLETION.  WDPLETE =  F
**NO GAS DRY DEPOSITION Data Provided.

**Model Uses RURAL Dispersion Only.

**Model Uses Regulatory DEFAULT Options:
           1. Stack-tip Downwash.
           2. Model Accounts for ELEVated Terrain Effects.
           3. Use Calms Processing Routine.
           4. Use Missing Data Processing Routine.
           5. No Exponential Decay

**Model Assumes No FLAGPOLE Receptor Heights.

**Model Calculates ANNUAL Averages Only

**This Run Includes:   595 Source(s);     13 Source Group(s); and     176 Receptor(s)

**The Model Assumes A Pollutant Type of:  PM-10

**Model Set To Continue RUNning After the Setup Testing.

**Output Options Selected:
         Model Outputs Tables of ANNUAL Averages by Receptor
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)

**NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   367.00 ;  Decay Coef. =    0.000     ;  Rot. Angle =     0.0
                 Emission Units = GRAMS/SEC                                ;  Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =     1.8 MB of RAM.

 *** AERMOD - VERSION 07026 ***    *** C:\AERMOD Projects\Palm Industrial\2011 Revisions\Operational\PIop20 ***        08/10/11
                                  *** DPM Emissions for HRA                                                  ***        17:10:23
**MODELOPTS:                                                                                                            PAGE   2
CONC                       DFAULT ELEV


                                                  *** VOLUME SOURCE DATA ***

            NUMBER EMISSION RATE                    BASE    RELEASE    INIT.    INIT.   URBAN  EMISSION RATE
    SOURCE   PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY       SZ     SOURCE  SCALAR VARY
     ID      CATS.                (METERS) (METERS) (METERS) (METERS) (METERS) (METERS)              BY
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

  L0008894      0   0.16129E-01  466631.5 3783065.0   509.1     5.00     5.64     2.79     NO
  L0008895      0   0.16129E-01  466639.9 3783073.8   509.7     5.00     5.64     2.79     NO
  L0008896      0   0.16129E-01  466648.4 3783082.2   510.2     5.00     5.64     2.79     NO
  L0008897      0   0.16129E-01  466656.8 3783091.0   510.6     5.00     5.64     2.79     NO
  L0008898      0   0.16129E-01  466665.3 3783099.8   510.8     5.00     5.64     2.79     NO
  L0008899      0   0.16129E-01  466673.8 3783108.5   510.6     5.00     5.64     2.79     NO
  L0008900      0   0.16129E-01  466682.2 3783117.0   510.5     5.00     5.64     2.79     NO
  L0008901      0   0.16129E-01  466690.7 3783125.8   510.2     5.00     5.64     2.79     NO
  L0008902      0   0.16129E-01  466696.8 3783135.2   509.9     5.00     5.25     2.79     NO
  L0008903      0   0.16129E-01  466702.2 3783145.0   509.4     5.00     5.25     2.79     NO
  L0008904      0   0.16129E-01  466707.7 3783155.0   508.9     5.00     5.25     2.79     NO
  L0008905      0   0.16129E-01  466713.1 3783164.8   508.4     5.00     5.25     2.79     NO
  L0008906      0   0.16129E-01  466721.4 3783169.2   508.0     5.00     4.70     2.79     NO
  L0008907      0   0.16129E-01  466731.2 3783172.0   507.7     5.00     4.70     2.79     NO
  L0008908      0   0.16129E-01  466739.7 3783167.8   507.8     5.00     4.92     2.79     NO
  L0008909      0   0.16129E-01  466747.5 3783160.5   508.2     5.00     4.92     2.79     NO
  L0008910      0   0.16129E-01  466751.4 3783153.2   508.8     5.00     4.03     2.79     NO
  L0008911      0   0.16129E-01  466754.1 3783145.0   509.4     5.00     4.03     2.79     NO
  L0008912      0   0.16129E-01  466756.7 3783136.8   510.0     5.00     4.03     2.79     NO
  L0008913      0   0.16129E-01  466752.2 3783127.8   510.7     5.00     5.19     2.79     NO
  L0008914      0   0.16129E-01  466744.9 3783119.2   511.2     5.00     5.19     2.79     NO
  L0008915      0   0.16129E-01  466737.6 3783110.8   511.7     5.00     5.19     2.79     NO
  L0008916      0   0.16129E-01  466730.2 3783102.5   512.1     5.00     5.19     2.79     NO
  L0008917      0   0.16129E-01  466722.9 3783094.0   512.3     5.00     5.19     2.79     NO
  L0008918      0   0.16129E-01  466715.5 3783085.5   512.2     5.00     5.19     2.79     NO
  L0008919      0   0.16129E-01  466708.2 3783077.2   512.0     5.00     5.19     2.79     NO
  L0008920      0   0.16129E-01  466700.8 3783068.8   511.7     5.00     5.19     2.79     NO
  L0008921      0   0.16129E-01  466693.5 3783060.2   511.3     5.00     5.19     2.79     NO
  L0008922      0   0.16129E-01  466686.2 3783052.0   510.8     5.00     5.19     2.79     NO
  L0008923      0   0.16129E-01  466678.8 3783043.5   510.1     5.00     5.19     2.79     NO
  L0008924      0   0.16129E-01  466677.8 3783038.2   510.0     5.00     2.88     2.79     NO
  L0008925      0   0.16129E-01  466679.8 3783032.5   510.0     5.00     2.88     2.79     NO
  L0008926      0   0.16129E-01  466686.9 3783023.2   510.5     5.00     5.49     2.79     NO
  L0008927      0   0.16129E-01  466695.2 3783015.0   511.2     5.00     5.49     2.79     NO
  L0008928      0   0.16129E-01  466703.6 3783006.8   512.0     5.00     5.49     2.79     NO
  L0008929      0   0.16129E-01  466711.9 3782998.2   512.2     5.00     5.49     2.79     NO
  L0008930      0   0.16129E-01  466720.2 3782990.0   512.0     5.00     5.49     2.79     NO
  L0008931      0   0.16129E-01  466728.6 3782981.5   511.9     5.00     5.49     2.79     NO
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L0008932	0	0.16129E-01	466736.9	3782973.2	511.6	5.00	5.49	2.79	NO
L0008933	0	0.16129E-01	466745.2	3782965.0	511.3	5.00	5.49	2.79	NO

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0008934	0	0.16129E-01	466753.6	3782956.5	511.1	5.00	5.49	2.79	NO	
L0008935	0	0.16129E-01	466761.9	3782948.2	511.3	5.00	5.49	2.79	NO	
L0008936	0	0.16129E-01	466770.3	3782940.0	511.4	5.00	5.49	2.79	NO	
L0008937	0	0.16129E-01	466778.6	3782931.5	511.6	5.00	5.49	2.79	NO	
L0008938	0	0.16129E-01	466786.9	3782923.2	511.7	5.00	5.49	2.79	NO	
L0008939	0	0.16129E-01	466795.3	3782914.8	511.7	5.00	5.49	2.79	NO	
L0008940	0	0.16129E-01	466803.6	3782906.5	511.7	5.00	5.49	2.79	NO	
L0008941	0	0.16129E-01	466812.0	3782898.2	511.5	5.00	5.49	2.79	NO	
L0008942	0	0.16129E-01	466820.3	3782889.8	511.1	5.00	5.49	2.79	NO	
L0008943	0	0.16129E-01	466828.6	3782881.5	510.5	5.00	5.49	2.79	NO	
L0008944	0	0.16129E-01	466837.0	3782873.2	510.0	5.00	5.49	2.79	NO	
L0008945	0	0.16129E-01	466845.3	3782864.8	509.5	5.00	5.49	2.79	NO	
L0008946	0	0.16129E-01	466853.7	3782856.5	509.0	5.00	5.49	2.79	NO	
L0008947	0	0.16129E-01	466862.0	3782848.2	508.5	5.00	5.49	2.79	NO	
L0008948	0	0.16129E-01	466870.3	3782839.8	507.9	5.00	5.49	2.79	NO	
L0008949	0	0.16129E-01	466878.7	3782831.5	507.3	5.00	5.49	2.79	NO	
L0008950	0	0.16129E-01	466887.0	3782823.0	506.7	5.00	5.49	2.79	NO	
L0008951	0	0.16129E-01	466895.3	3782814.8	506.4	5.00	5.49	2.79	NO	
L0008952	0	0.16129E-01	466903.7	3782806.5	506.1	5.00	5.49	2.79	NO	
L0008953	0	0.16129E-01	466912.0	3782798.0	505.4	5.00	5.49	2.79	NO	
L0008954	0	0.16129E-01	466920.3	3782789.8	504.6	5.00	5.49	2.79	NO	
L0008955	0	0.16129E-01	466928.7	3782781.5	503.6	5.00	5.49	2.79	NO	
L0008956	0	0.16129E-01	466936.5	3782791.8	505.6	5.00	5.58	2.79	NO	
L0008957	0	0.16129E-01	466927.8	3782800.2	506.5	5.00	5.58	2.79	NO	
L0008958	0	0.16129E-01	466919.2	3782808.5	507.4	5.00	5.58	2.79	NO	
L0008959	0	0.16129E-01	466910.6	3782816.8	508.0	5.00	5.58	2.79	NO	
L0008960	0	0.16129E-01	466901.9	3782825.2	508.9	5.00	5.58	2.79	NO	
L0008961	0	0.16129E-01	466893.3	3782833.5	509.4	5.00	5.58	2.79	NO	
L0008962	0	0.16129E-01	466884.7	3782841.8	510.0	5.00	5.58	2.79	NO	
L0008963	0	0.16129E-01	466876.0	3782850.0	510.5	5.00	5.58	2.79	NO	
L0008964	0	0.16129E-01	466867.4	3782858.5	511.1	5.00	5.58	2.79	NO	
L0008965	0	0.16129E-01	466858.7	3782866.8	511.6	5.00	5.58	2.79	NO	
L0008966	0	0.16129E-01	466850.1	3782875.0	512.0	5.00	5.58	2.79	NO	
L0008967	0	0.16129E-01	466841.5	3782883.5	512.5	5.00	5.58	2.79	NO	
L0008968	0	0.16129E-01	466832.8	3782891.8	512.9	5.00	5.58	2.79	NO	
L0008969	0	0.16129E-01	466824.2	3782900.0	513.3	5.00	5.58	2.79	NO	
L0008970	0	0.16129E-01	466815.6	3782908.5	513.6	5.00	5.58	2.79	NO	
L0008971	0	0.16129E-01	466806.9	3782916.8	513.7	5.00	5.58	2.79	NO	
L0008972	0	0.16129E-01	466798.3	3782925.0	513.5	5.00	5.58	2.79	NO	
L0008973	0	0.16129E-01	466789.6	3782933.2	513.4	5.00	5.58	2.79	NO	

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0008974	0	0.16129E-01	466781.0	3782941.8	513.3	5.00	5.58	2.79	NO	
L0008975	0	0.16129E-01	466772.4	3782950.0	513.1	5.00	5.58	2.79	NO	
L0008976	0	0.16129E-01	466763.7	3782958.2	512.9	5.00	5.58	2.79	NO	
L0008977	0	0.16129E-01	466755.1	3782966.8	512.7	5.00	5.58	2.79	NO	
L0008978	0	0.16129E-01	466746.4	3782975.0	512.7	5.00	5.58	2.79	NO	
L0008979	0	0.16129E-01	466737.8	3782983.2	513.0	5.00	5.58	2.79	NO	
L0008980	0	0.16129E-01	466729.2	3782991.5	513.1	5.00	5.58	2.79	NO	
L0008981	0	0.16129E-01	466720.5	3783000.0	513.2	5.00	5.58	2.79	NO	
L0008982	0	0.16129E-01	466711.9	3783008.2	512.9	5.00	5.58	2.79	NO	
L0008983	0	0.16129E-01	466703.3	3783016.5	512.0	5.00	5.58	2.79	NO	
L0008984	0	0.16129E-01	466694.6	3783025.0	511.2	5.00	5.58	2.79	NO	
L0008985	0	0.16129E-01	466688.9	3783032.2	510.8	5.00	4.35	2.79	NO	
L0008986	0	0.16129E-01	466689.8	3783040.5	510.9	5.00	4.35	2.79	NO	
L0008987	0	0.16129E-01	466693.8	3783049.0	511.2	5.00	4.35	2.79	NO	
L0008988	0	0.16129E-01	466700.4	3783057.8	511.7	5.00	5.15	2.79	NO	
L0008989	0	0.16129E-01	466707.8	3783066.0	512.1	5.00	5.15	2.79	NO	
L0008990	0	0.16129E-01	466715.3	3783074.0	512.4	5.00	5.15	2.79	NO	
L0008991	0	0.16129E-01	466722.7	3783082.2	512.5	5.00	5.15	2.79	NO	
L0008992	0	0.16129E-01	466730.1	3783090.5	512.6	5.00	5.15	2.79	NO	
L0008993	0	0.16129E-01	466737.6	3783098.8	512.5	5.00	5.15	2.79	NO	
L0008994	0	0.16129E-01	466745.0	3783107.0	512.1	5.00	5.15	2.79	NO	
L0008995	0	0.16129E-01	466752.4	3783115.0	511.6	5.00	5.15	2.79	NO	
L0008996	0	0.16129E-01	466759.8	3783123.2	511.0	5.00	5.15	2.79	NO	
L0008997	0	0.16129E-01	466767.3	3783131.5	510.4	5.00	5.15	2.79	NO	
L0008998	0	0.16129E-01	466765.7	3783141.5	509.6	5.00	5.36	2.79	NO	
L0008999	0	0.16129E-01	466760.8	3783151.8	508.8	5.00	5.36	2.79	NO	
L0009000	0	0.16129E-01	466755.9	3783162.2	508.0	5.00	5.36	2.79	NO	
L0009001	0	0.16129E-01	466751.0	3783172.8	507.3	5.00	5.36	2.79	NO	
L0009002	0	0.16129E-01	466741.0	3783178.0	507.1	5.00	5.66	2.79	NO	
L0009003	0	0.16129E-01	466729.2	3783181.2	507.1	5.00	5.66	2.79	NO	
L0009004	0	0.16129E-01	466719.4	3783179.2	507.5	5.00	4.91	2.79	NO	
L0009005	0	0.16129E-01	466709.6	3783175.2	507.9	5.00	4.91	2.79	NO	
L0009006	0	0.16129E-01	466703.3	3783166.2	508.4	5.00	5.33	2.79	NO	
L0009007	0	0.16129E-01	466698.5	3783156.0	508.9	5.00	5.33	2.79	NO	
L0009008	0	0.16129E-01	466693.7	3783145.5	509.4	5.00	5.33	2.79	NO	
L0009009	0	0.16129E-01	466686.3	3783137.5	509.7	5.00	5.15	2.79	NO	

L0009010	0	0.16129E-01	466677.8	3783130.5	510.0	5.00	5.15	2.79	NO
L0009011	0	0.16129E-01	466669.2	3783122.5	510.2	5.00	5.50	2.79	NO
L0009012	0	0.16129E-01	466660.7	3783114.2	510.4	5.00	5.50	2.79	NO
L0009013	0	0.16129E-01	466652.2	3783106.0	510.5	5.00	5.50	2.79	NO

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0009014	0	0.16129E-01	466643.8	3783097.8	510.6	5.00	5.50	2.79	NO	
L0009015	0	0.16129E-01	466635.3	3783089.5	510.2	5.00	5.50	2.79	NO	
L0009016	0	0.16129E-01	466626.8	3783081.2	509.7	5.00	5.50	2.79	NO	
L0009017	0	0.16129E-01	466618.3	3783073.0	509.1	5.00	5.50	2.79	NO	
L0009018	0	0.16393E-01	466631.3	3783066.0	509.2	5.00	5.46	2.79	NO	
L0009019	0	0.16393E-01	466639.5	3783074.5	509.7	5.00	5.46	2.79	NO	
L0009020	0	0.16393E-01	466647.7	3783082.8	510.2	5.00	5.46	2.79	NO	
L0009021	0	0.16393E-01	466655.8	3783091.2	510.6	5.00	5.46	2.79	NO	
L0009022	0	0.16393E-01	466664.0	3783099.8	510.8	5.00	5.46	2.79	NO	
L0009023	0	0.16393E-01	466672.2	3783108.2	510.6	5.00	5.46	2.79	NO	
L0009024	0	0.16393E-01	466680.3	3783116.5	510.5	5.00	5.46	2.79	NO	
L0009025	0	0.16393E-01	466688.5	3783125.0	510.2	5.00	5.46	2.79	NO	
L0009026	0	0.16393E-01	466693.0	3783133.0	510.0	5.00	4.28	2.79	NO	
L0009027	0	0.16393E-01	466696.5	3783141.5	509.6	5.00	4.28	2.79	NO	
L0009028	0	0.16393E-01	466703.0	3783150.2	509.2	5.00	5.15	2.79	NO	
L0009029	0	0.16393E-01	466710.4	3783158.5	508.7	5.00	5.15	2.79	NO	
L0009030	0	0.16393E-01	466717.8	3783166.8	508.2	5.00	5.15	2.79	NO	
L0009031	0	0.16393E-01	466725.9	3783169.8	507.9	5.00	4.28	2.79	NO	
L0009032	0	0.16393E-01	466735.0	3783171.0	507.7	5.00	4.28	2.79	NO	
L0009033	0	0.16393E-01	466742.7	3783164.0	508.0	5.00	5.55	2.79	NO	
L0009034	0	0.16393E-01	466748.9	3783153.8	508.7	5.00	5.55	2.79	NO	
L0009035	0	0.16393E-01	466755.2	3783143.8	509.5	5.00	5.55	2.79	NO	
L0009036	0	0.16393E-01	466761.5	3783133.5	510.2	5.00	5.55	2.79	NO	
L0009037	0	0.16393E-01	466767.7	3783123.2	511.0	5.00	5.55	2.79	NO	
L0009038	0	0.16393E-01	466778.4	3783121.0	511.3	5.00	5.64	2.79	NO	
L0009039	0	0.16393E-01	466790.5	3783121.2	511.3	5.00	5.64	2.79	NO	
L0009040	0	0.16393E-01	466802.6	3783121.5	511.3	5.00	5.64	2.79	NO	
L0009041	0	0.16393E-01	466814.8	3783121.8	511.3	5.00	5.64	2.79	NO	
L0009042	0	0.16393E-01	466826.9	3783122.0	511.3	5.00	5.64	2.79	NO	
L0009043	0	0.16393E-01	466839.0	3783122.5	511.2	5.00	5.64	2.79	NO	
L0009044	0	0.16393E-01	466851.1	3783122.8	511.0	5.00	5.64	2.79	NO	
L0009045	0	0.16393E-01	466863.2	3783123.0	510.9	5.00	5.64	2.79	NO	
L0009046	0	0.16393E-01	466875.4	3783123.2	510.8	5.00	5.64	2.79	NO	
L0009047	0	0.16393E-01	466887.5	3783123.5	510.6	5.00	5.64	2.79	NO	
L0009048	0	0.16393E-01	466899.6	3783123.8	510.5	5.00	5.64	2.79	NO	
L0009049	0	0.16393E-01	466911.8	3783124.2	510.3	5.00	5.64	2.79	NO	
L0009050	0	0.16393E-01	466923.9	3783124.5	510.1	5.00	5.64	2.79	NO	
L0009051	0	0.16393E-01	466933.6	3783118.2	510.7	5.00	5.62	2.79	NO	
L0009052	0	0.16393E-01	466942.4	3783110.0	511.7	5.00	5.62	2.79	NO	
L0009053	0	0.16393E-01	466951.2	3783102.0	512.7	5.00	5.62	2.79	NO	

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0009054	0	0.16393E-01	466960.1	3783093.8	513.8	5.00	5.62	2.79	NO	
L0009055	0	0.16393E-01	466968.9	3783085.5	515.3	5.00	5.62	2.79	NO	
L0009056	0	0.16393E-01	466977.8	3783077.2	516.8	5.00	5.62	2.79	NO	
L0009057	0	0.16393E-01	466986.6	3783069.0	518.0	5.00	5.62	2.79	NO	
L0009058	0	0.16393E-01	466995.4	3783060.8	518.9	5.00	5.62	2.79	NO	
L0009059	0	0.16393E-01	467004.3	3783052.5	519.5	5.00	5.62	2.79	NO	
L0009060	0	0.16393E-01	467013.1	3783044.2	520.0	5.00	5.62	2.79	NO	
L0009061	0	0.16393E-01	467021.9	3783036.0	520.2	5.00	5.62	2.79	NO	
L0009062	0	0.16393E-01	467030.8	3783027.8	520.3	5.00	5.62	2.79	NO	
L0009063	0	0.16393E-01	467039.6	3783019.5	520.1	5.00	5.62	2.79	NO	
L0009064	0	0.16393E-01	467048.5	3783011.2	519.8	5.00	5.62	2.79	NO	
L0009065	0	0.16393E-01	467057.3	3783003.0	519.2	5.00	5.62	2.79	NO	
L0009066	0	0.16393E-01	467066.2	3782994.8	518.7	5.00	5.62	2.79	NO	
L0009067	0	0.16393E-01	467075.0	3782986.8	518.0	5.00	5.62	2.79	NO	
L0009068	0	0.16393E-01	467083.8	3782978.5	517.2	5.00	5.62	2.79	NO	
L0009069	0	0.16393E-01	467092.7	3782970.2	516.3	5.00	5.62	2.79	NO	
L0009070	0	0.16393E-01	467101.5	3782962.0	515.3	5.00	5.62	2.79	NO	
L0009071	0	0.16393E-01	467110.3	3782953.8	514.2	5.00	5.62	2.79	NO	
L0009072	0	0.16393E-01	467119.2	3782945.5	512.9	5.00	5.62	2.79	NO	
L0009073	0	0.16393E-01	467128.0	3782937.2	511.5	5.00	5.62	2.79	NO	
L0009074	0	0.16393E-01	467136.9	3782929.0	510.0	5.00	5.62	2.79	NO	
L0009075	0	0.16393E-01	467145.7	3782920.8	508.6	5.00	5.62	2.79	NO	
L0009076	0	0.16393E-01	467154.6	3782912.5	507.1	5.00	5.62	2.79	NO	
L0009077	0	0.16393E-01	467163.4	3782904.2	504.9	5.00	5.62	2.79	NO	
L0009078	0	0.16393E-01	467172.2	3782896.0	502.6	5.00	5.62	2.79	NO	
L0009079	0	0.15385E-01	466619.9	3783074.5	509.3	5.00	5.63	2.79	NO	
L0009080	0	0.15385E-01	466628.7	3783083.0	509.8	5.00	5.63	2.79	NO	
L0009081	0	0.15385E-01	466637.4	3783091.2	510.3	5.00	5.63	2.79	NO	
L0009082	0	0.15385E-01	466646.2	3783099.5	510.6	5.00	5.63	2.79	NO	
L0009083	0	0.15385E-01	466655.0	3783108.0	510.5	5.00	5.63	2.79	NO	
L0009084	0	0.15385E-01	466663.8	3783116.2	510.3	5.00	5.63	2.79	NO	
L0009085	0	0.15385E-01	466672.5	3783124.5	510.1	5.00	5.63	2.79	NO	
L0009086	0	0.15385E-01	466681.3	3783133.0	509.9	5.00	5.63	2.79	NO	
L0009087	0	0.15385E-01	466685.8	3783138.8	509.7	5.00	3.50	2.79	NO	

L0009088	0	0.15385E-01	466689.6	3783145.2	509.4	5.00	3.50	2.79	NO
L0009089	0	0.15385E-01	466693.3	3783152.8	509.1	5.00	3.81	2.79	NO
L0009090	0	0.15385E-01	466696.8	3783160.0	508.8	5.00	3.81	2.79	NO
L0009091	0	0.15385E-01	466700.3	3783167.5	508.4	5.00	3.81	2.79	NO
L0009092	0	0.15385E-01	466707.5	3783173.0	508.0	5.00	4.43	2.79	NO
L0009093	0	0.15385E-01	466716.2	3783176.8	507.6	5.00	4.43	2.79	NO

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0009094	0	0.15385E-01	466724.8	3783180.8	507.2	5.00	4.43	2.79	NO	
L0009095	0	0.15385E-01	466733.0	3783180.2	507.1	5.00	4.03	2.79	NO	
L0009096	0	0.15385E-01	466741.2	3783177.5	507.1	5.00	4.03	2.79	NO	
L0009097	0	0.15385E-01	466749.5	3783175.0	507.1	5.00	4.03	2.79	NO	
L0009098	0	0.15385E-01	466756.0	3783167.8	507.6	5.00	4.78	2.79	NO	
L0009099	0	0.15385E-01	466761.2	3783159.0	508.2	5.00	4.78	2.79	NO	
L0009100	0	0.15385E-01	466766.5	3783150.0	508.9	5.00	4.78	2.79	NO	
L0009101	0	0.15385E-01	466771.7	3783141.2	509.5	5.00	4.78	2.79	NO	
L0009102	0	0.15385E-01	466776.9	3783132.5	510.3	5.00	4.78	2.79	NO	
L0009103	0	0.15385E-01	466787.2	3783129.8	510.5	5.00	5.50	2.79	NO	
L0009104	0	0.15385E-01	466799.0	3783130.0	510.5	5.00	5.50	2.79	NO	
L0009105	0	0.15385E-01	466810.9	3783130.0	510.4	5.00	5.50	2.79	NO	
L0009106	0	0.15385E-01	466822.7	3783130.0	510.4	5.00	5.50	2.79	NO	
L0009107	0	0.15385E-01	466834.5	3783130.2	510.3	5.00	5.50	2.79	NO	
L0009108	0	0.15385E-01	466846.3	3783130.2	510.2	5.00	5.50	2.79	NO	
L0009109	0	0.15385E-01	466858.2	3783130.5	510.1	5.00	5.50	2.79	NO	
L0009110	0	0.15385E-01	466870.0	3783130.5	510.0	5.00	5.50	2.79	NO	
L0009111	0	0.15385E-01	466881.8	3783130.5	509.8	5.00	5.50	2.79	NO	
L0009112	0	0.15385E-01	466893.6	3783130.8	509.7	5.00	5.50	2.79	NO	
L0009113	0	0.15385E-01	466905.5	3783130.8	509.6	5.00	5.50	2.79	NO	
L0009114	0	0.15385E-01	466917.3	3783131.0	509.3	5.00	5.50	2.79	NO	
L0009115	0	0.15385E-01	466929.1	3783131.0	509.1	5.00	5.50	2.79	NO	
L0009116	0	0.15385E-01	466938.8	3783125.0	509.7	5.00	5.59	2.79	NO	
L0009117	0	0.15385E-01	466947.7	3783116.8	510.7	5.00	5.59	2.79	NO	
L0009118	0	0.15385E-01	466956.6	3783108.8	511.6	5.00	5.59	2.79	NO	
L0009119	0	0.15385E-01	466965.4	3783100.8	512.6	5.00	5.59	2.79	NO	
L0009120	0	0.15385E-01	466974.3	3783092.5	513.8	5.00	5.59	2.79	NO	
L0009121	0	0.15385E-01	466983.2	3783084.5	515.2	5.00	5.59	2.79	NO	
L0009122	0	0.15385E-01	466992.1	3783076.5	516.3	5.00	5.59	2.79	NO	
L0009123	0	0.15385E-01	467001.0	3783068.2	517.2	5.00	5.59	2.79	NO	
L0009124	0	0.15385E-01	467009.9	3783060.2	517.8	5.00	5.59	2.79	NO	
L0009125	0	0.15385E-01	467018.8	3783052.2	518.3	5.00	5.59	2.79	NO	
L0009126	0	0.15385E-01	467027.7	3783044.0	518.6	5.00	5.59	2.79	NO	
L0009127	0	0.15385E-01	467036.6	3783036.0	518.6	5.00	5.59	2.79	NO	
L0009128	0	0.15385E-01	467045.4	3783028.0	518.5	5.00	5.59	2.79	NO	
L0009129	0	0.15385E-01	467054.3	3783019.8	518.1	5.00	5.59	2.79	NO	
L0009130	0	0.15385E-01	467063.2	3783011.8	517.7	5.00	5.59	2.79	NO	
L0009131	0	0.15385E-01	467072.1	3783003.5	517.0	5.00	5.59	2.79	NO	
L0009132	0	0.15385E-01	467081.0	3782995.5	516.4	5.00	5.59	2.79	NO	
L0009133	0	0.15385E-01	467089.9	3782987.5	515.6	5.00	5.59	2.79	NO	

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0009134	0	0.15385E-01	467098.8	3782979.2	514.7	5.00	5.59	2.79	NO	
L0009135	0	0.15385E-01	467107.7	3782971.2	513.7	5.00	5.59	2.79	NO	
L0009136	0	0.15385E-01	467116.5	3782963.2	512.6	5.00	5.59	2.79	NO	
L0009137	0	0.15385E-01	467125.4	3782955.0	511.3	5.00	5.59	2.79	NO	
L0009138	0	0.15385E-01	467134.3	3782947.0	509.9	5.00	5.59	2.79	NO	
L0009139	0	0.15385E-01	467143.2	3782939.0	508.7	5.00	5.59	2.79	NO	
L0009140	0	0.15385E-01	467152.1	3782930.8	507.3	5.00	5.59	2.79	NO	
L0009141	0	0.15385E-01	467161.0	3782922.8	505.8	5.00	5.59	2.79	NO	
L0009142	0	0.15385E-01	467169.8	3782914.8	504.1	5.00	5.59	2.79	NO	
L0009143	0	0.15385E-01	467178.8	3782906.5	502.1	5.00	5.59	2.79	NO	
L0009144	0	0.14085E-01	466923.5	3783119.5	510.7	5.00	2.24	2.79	NO	
L0009145	0	0.14085E-01	466927.0	3783116.0	511.1	5.00	2.24	2.79	NO	
L0009146	0	0.14085E-01	466930.4	3783112.8	511.5	5.00	2.24	2.79	NO	
L0009147	0	0.14085E-01	466933.9	3783109.5	511.9	5.00	2.24	2.79	NO	
L0009148	0	0.14085E-01	466937.4	3783106.0	512.3	5.00	2.24	2.79	NO	
L0009149	0	0.14085E-01	466940.9	3783102.8	512.7	5.00	2.24	2.79	NO	
L0009150	0	0.14085E-01	466944.4	3783099.5	513.1	5.00	2.24	2.79	NO	
L0009151	0	0.14085E-01	466947.8	3783096.0	513.5	5.00	2.24	2.79	NO	
L0009152	0	0.14085E-01	466951.3	3783092.8	514.2	5.00	2.24	2.79	NO	
L0009153	0	0.14085E-01	466954.8	3783089.5	514.8	5.00	2.24	2.79	NO	
L0009154	0	0.14085E-01	466958.3	3783086.0	515.4	5.00	2.24	2.79	NO	
L0009155	0	0.14085E-01	466961.8	3783082.8	516.0	5.00	2.24	2.79	NO	
L0009156	0	0.14085E-01	466965.3	3783079.2	516.6	5.00	2.24	2.79	NO	
L0009157	0	0.14085E-01	466968.8	3783076.0	517.2	5.00	2.24	2.79	NO	
L0009158	0	0.14085E-01	466972.2	3783072.8	517.8	5.00	2.24	2.79	NO	
L0009159	0	0.14085E-01	466975.7	3783069.2	518.4	5.00	2.24	2.79	NO	
L0009160	0	0.14085E-01	466979.2	3783066.0	519.0	5.00	2.24	2.79	NO	
L0009161	0	0.14085E-01	466982.7	3783062.8	519.5	5.00	2.24	2.79	NO	
L0009162	0	0.14085E-01	466986.2	3783059.2	519.8	5.00	2.24	2.79	NO	
L0009163	0	0.14085E-01	466989.7	3783056.0	520.2	5.00	2.24	2.79	NO	
L0009164	0	0.14085E-01	466993.2	3783052.8	520.5	5.00	2.24	2.79	NO	
L0009165	0	0.14085E-01	466996.6	3783049.2	520.8	5.00	2.24	2.79	NO	

L0009166	0	0.14085E-01	467000.1	3783046.0	521.0	5.00	2.24	2.79	NO
L0009167	0	0.14085E-01	467003.6	3783042.8	521.2	5.00	2.24	2.79	NO
L0009168	0	0.14085E-01	467007.1	3783039.2	521.4	5.00	2.24	2.79	NO
L0009169	0	0.14085E-01	467010.6	3783036.0	521.5	5.00	2.24	2.79	NO
L0009170	0	0.14085E-01	467014.1	3783032.8	521.6	5.00	2.24	2.79	NO
L0009171	0	0.14085E-01	467017.5	3783029.2	521.7	5.00	2.24	2.79	NO
L0009172	0	0.14085E-01	467021.0	3783026.0	521.8	5.00	2.24	2.79	NO
L0009173	0	0.14085E-01	467024.5	3783022.8	521.8	5.00	2.24	2.79	NO

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0009174	0	0.14085E-01	467028.0	3783019.2	521.7	5.00	2.24	2.79	NO	
L0009175	0	0.14085E-01	467031.5	3783016.0	521.7	5.00	2.24	2.79	NO	
L0009176	0	0.14085E-01	467035.0	3783012.8	521.6	5.00	2.24	2.79	NO	
L0009177	0	0.14085E-01	467038.4	3783009.2	521.5	5.00	2.24	2.79	NO	
L0009178	0	0.14085E-01	467041.9	3783006.0	521.3	5.00	2.24	2.79	NO	
L0009179	0	0.14085E-01	467045.4	3783002.8	521.1	5.00	2.24	2.79	NO	
L0009180	0	0.14085E-01	467048.9	3782999.2	520.9	5.00	2.24	2.79	NO	
L0009181	0	0.14085E-01	467052.4	3782996.0	520.6	5.00	2.24	2.79	NO	
L0009182	0	0.14085E-01	467055.8	3782992.5	520.4	5.00	2.24	2.79	NO	
L0009183	0	0.14085E-01	467059.3	3782989.2	520.2	5.00	2.24	2.79	NO	
L0009184	0	0.14085E-01	467062.8	3782986.0	520.0	5.00	2.24	2.79	NO	
L0009185	0	0.14085E-01	467066.3	3782982.5	519.7	5.00	2.24	2.79	NO	
L0009186	0	0.14085E-01	467069.8	3782979.2	519.5	5.00	2.24	2.79	NO	
L0009187	0	0.14085E-01	467073.3	3782976.0	519.2	5.00	2.24	2.79	NO	
L0009188	0	0.14085E-01	467076.8	3782972.5	518.9	5.00	2.24	2.79	NO	
L0009189	0	0.14085E-01	467080.2	3782969.2	518.5	5.00	2.24	2.79	NO	
L0009190	0	0.14085E-01	467083.7	3782966.0	518.2	5.00	2.24	2.79	NO	
L0009191	0	0.14085E-01	467087.2	3782962.5	517.8	5.00	2.24	2.79	NO	
L0009192	0	0.14085E-01	467090.7	3782959.2	517.4	5.00	2.24	2.79	NO	
L0009193	0	0.14085E-01	467094.2	3782956.0	517.0	5.00	2.24	2.79	NO	
L0009194	0	0.14085E-01	467097.7	3782952.5	516.6	5.00	2.24	2.79	NO	
L0009195	0	0.14085E-01	467101.2	3782949.2	516.1	5.00	2.24	2.79	NO	
L0009196	0	0.14085E-01	467104.6	3782946.0	515.7	5.00	2.24	2.79	NO	
L0009197	0	0.14085E-01	467108.1	3782942.5	515.2	5.00	2.24	2.79	NO	
L0009198	0	0.14085E-01	467111.6	3782939.2	514.7	5.00	2.24	2.79	NO	
L0009199	0	0.14085E-01	467115.1	3782936.0	514.2	5.00	2.24	2.79	NO	
L0009200	0	0.14085E-01	467118.6	3782932.5	513.6	5.00	2.24	2.79	NO	
L0009201	0	0.14085E-01	467122.1	3782929.2	513.0	5.00	2.24	2.79	NO	
L0009202	0	0.14085E-01	467125.5	3782926.0	512.5	5.00	2.24	2.79	NO	
L0009203	0	0.14085E-01	467129.0	3782922.5	511.9	5.00	2.24	2.79	NO	
L0009204	0	0.14085E-01	467132.5	3782919.2	511.2	5.00	2.24	2.79	NO	
L0009205	0	0.14085E-01	467136.0	3782915.8	510.6	5.00	2.24	2.79	NO	
L0009206	0	0.14085E-01	467139.5	3782912.5	510.0	5.00	2.24	2.79	NO	
L0009207	0	0.14085E-01	467143.0	3782909.2	509.3	5.00	2.24	2.79	NO	
L0009208	0	0.14085E-01	467146.4	3782905.8	508.3	5.00	2.24	2.79	NO	
L0009209	0	0.14085E-01	467149.9	3782902.5	507.4	5.00	2.24	2.79	NO	
L0009210	0	0.14085E-01	467153.4	3782899.2	506.5	5.00	2.24	2.79	NO	
L0009211	0	0.14085E-01	467156.9	3782895.8	505.6	5.00	2.24	2.79	NO	
L0009212	0	0.14085E-01	467160.4	3782892.5	504.6	5.00	2.24	2.79	NO	
L0009213	0	0.14085E-01	467163.8	3782889.2	503.7	5.00	2.24	2.79	NO	

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0009214	0	0.14085E-01	467167.3	3782885.8	502.8	5.00	2.24	2.79	NO	
L0009215	0	0.17241E-01	466742.7	3782984.2	513.5	5.00	2.24	2.79	NO	
L0009216	0	0.17241E-01	466746.2	3782980.8	513.4	5.00	2.24	2.79	NO	
L0009217	0	0.17241E-01	466749.7	3782977.5	513.3	5.00	2.24	2.79	NO	
L0009218	0	0.17241E-01	466753.2	3782974.2	513.3	5.00	2.24	2.79	NO	
L0009219	0	0.17241E-01	466756.6	3782970.8	513.5	5.00	2.24	2.79	NO	
L0009220	0	0.17241E-01	466760.1	3782967.5	513.5	5.00	2.24	2.79	NO	
L0009221	0	0.17241E-01	466763.6	3782964.2	513.6	5.00	2.24	2.79	NO	
L0009222	0	0.17241E-01	466767.1	3782961.0	513.7	5.00	2.24	2.79	NO	
L0009223	0	0.17241E-01	466770.6	3782957.5	513.8	5.00	2.24	2.79	NO	
L0009224	0	0.17241E-01	466774.1	3782954.2	513.9	5.00	2.24	2.79	NO	
L0009225	0	0.17241E-01	466777.6	3782951.0	514.0	5.00	2.24	2.79	NO	
L0009226	0	0.17241E-01	466781.1	3782947.5	514.1	5.00	2.24	2.79	NO	
L0009227	0	0.17241E-01	466784.6	3782944.2	514.1	5.00	2.24	2.79	NO	
L0009228	0	0.17241E-01	466788.1	3782941.0	514.2	5.00	2.24	2.79	NO	
L0009229	0	0.17241E-01	466791.6	3782937.5	514.3	5.00	2.24	2.79	NO	
L0009230	0	0.17241E-01	466795.1	3782934.2	514.3	5.00	2.24	2.79	NO	
L0009231	0	0.17241E-01	466798.5	3782931.0	514.4	5.00	2.24	2.79	NO	
L0009232	0	0.17241E-01	466802.0	3782927.5	514.5	5.00	2.24	2.79	NO	
L0009233	0	0.17241E-01	466805.5	3782924.2	514.5	5.00	2.24	2.79	NO	
L0009234	0	0.17241E-01	466809.0	3782921.0	514.5	5.00	2.24	2.79	NO	
L0009235	0	0.17241E-01	466812.5	3782917.8	514.6	5.00	2.24	2.79	NO	
L0009236	0	0.17241E-01	466816.0	3782914.2	514.6	5.00	2.24	2.79	NO	
L0009237	0	0.17241E-01	466819.5	3782911.0	514.7	5.00	2.24	2.79	NO	
L0009238	0	0.17241E-01	466823.0	3782907.8	514.5	5.00	2.24	2.79	NO	
L0009239	0	0.17241E-01	466826.5	3782904.2	514.4	5.00	2.24	2.79	NO	
L0009240	0	0.17241E-01	466830.0	3782901.0	514.3	5.00	2.24	2.79	NO	
L0009241	0	0.17241E-01	466833.5	3782897.8	514.1	5.00	2.24	2.79	NO	
L0009242	0	0.17241E-01	466836.9	3782894.2	514.0	5.00	2.24	2.79	NO	
L0009243	0	0.17241E-01	466840.4	3782891.0	513.8	5.00	2.24	2.79	NO	

L0009244	0	0.17241E-01	466843.9	3782887.8	513.6	5.00	2.24	2.79	NO
L0009245	0	0.17241E-01	466847.4	3782884.5	513.4	5.00	2.24	2.79	NO
L0009246	0	0.17241E-01	466850.9	3782881.0	513.3	5.00	2.24	2.79	NO
L0009247	0	0.17241E-01	466854.4	3782877.8	513.1	5.00	2.24	2.79	NO
L0009248	0	0.17241E-01	466857.9	3782874.5	512.9	5.00	2.24	2.79	NO
L0009249	0	0.17241E-01	466861.4	3782871.0	512.7	5.00	2.24	2.79	NO
L0009250	0	0.17241E-01	466864.9	3782867.8	512.5	5.00	2.24	2.79	NO
L0009251	0	0.17241E-01	466868.4	3782864.5	512.3	5.00	2.24	2.79	NO
L0009252	0	0.17241E-01	466871.9	3782861.0	512.1	5.00	2.24	2.79	NO
L0009253	0	0.17241E-01	466875.4	3782857.8	511.9	5.00	2.24	2.79	NO

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0009254	0	0.17241E-01	466878.8	3782854.5	511.7	5.00	2.24	2.79	NO	
L0009255	0	0.17241E-01	466882.3	3782851.2	511.5	5.00	2.24	2.79	NO	
L0009256	0	0.17241E-01	466885.8	3782847.8	511.3	5.00	2.24	2.79	NO	
L0009257	0	0.17241E-01	466889.3	3782844.5	511.1	5.00	2.24	2.79	NO	
L0009258	0	0.17241E-01	466892.8	3782841.2	510.9	5.00	2.24	2.79	NO	
L0009259	0	0.17241E-01	466896.3	3782837.8	510.6	5.00	2.24	2.79	NO	
L0009260	0	0.17241E-01	466899.8	3782834.5	510.4	5.00	2.24	2.79	NO	
L0009261	0	0.17241E-01	466903.3	3782831.2	510.2	5.00	2.24	2.79	NO	
L0009262	0	0.17241E-01	466906.8	3782827.8	509.8	5.00	2.24	2.79	NO	
L0009263	0	0.17241E-01	466910.3	3782824.5	509.4	5.00	2.24	2.79	NO	
L0009264	0	0.17241E-01	466913.8	3782821.2	509.0	5.00	2.24	2.79	NO	
L0009265	0	0.17241E-01	466917.2	3782817.8	508.6	5.00	2.24	2.79	NO	
L0009266	0	0.17241E-01	466920.8	3782814.5	508.4	5.00	2.24	2.79	NO	
L0009267	0	0.17241E-01	466924.2	3782811.2	508.1	5.00	2.24	2.79	NO	
L0009268	0	0.17241E-01	466927.8	3782808.0	507.8	5.00	2.24	2.79	NO	
L0009269	0	0.17241E-01	466931.2	3782804.5	507.4	5.00	2.24	2.79	NO	
L0009270	0	0.17241E-01	466934.7	3782801.2	507.1	5.00	2.24	2.79	NO	
L0009271	0	0.17241E-01	466938.2	3782798.0	506.7	5.00	2.24	2.79	NO	
L0009272	0	0.17241E-01	466941.7	3782794.5	506.3	5.00	2.24	2.79	NO	
L0009273	0	0.26316E-01	466612.8	3783070.2	508.9	5.00	5.05	2.79	NO	
L0009274	0	0.26316E-01	466605.8	3783078.8	509.1	5.00	5.05	2.79	NO	
L0009275	0	0.26316E-01	466598.9	3783087.0	509.4	5.00	5.05	2.79	NO	
L0009276	0	0.26316E-01	466591.9	3783095.2	509.9	5.00	5.05	2.79	NO	
L0009277	0	0.26316E-01	466585.0	3783103.8	510.2	5.00	5.05	2.79	NO	
L0009278	0	0.26316E-01	466578.0	3783112.0	510.3	5.00	5.05	2.79	NO	
L0009279	0	0.26316E-01	466571.0	3783120.2	510.4	5.00	5.05	2.79	NO	
L0009280	0	0.26316E-01	466564.1	3783128.8	510.4	5.00	5.05	2.79	NO	
L0009281	0	0.26316E-01	466564.2	3783133.8	510.4	5.00	3.03	2.79	NO	
L0009282	0	0.26316E-01	466568.0	3783139.0	510.4	5.00	3.03	2.79	NO	
L0009283	0	0.26316E-01	466574.1	3783149.5	510.3	5.00	5.66	2.79	NO	
L0009284	0	0.26316E-01	466579.8	3783160.2	510.2	5.00	5.66	2.79	NO	
L0009285	0	0.26316E-01	466585.5	3783171.0	510.2	5.00	5.66	2.79	NO	
L0009286	0	0.26316E-01	466591.2	3783181.8	510.1	5.00	5.66	2.79	NO	
L0009287	0	0.26316E-01	466596.8	3783192.5	509.8	5.00	5.66	2.79	NO	
L0009288	0	0.26316E-01	466602.5	3783203.2	508.9	5.00	5.66	2.79	NO	
L0009289	0	0.26316E-01	466608.2	3783214.0	507.8	5.00	5.66	2.79	NO	
L0009290	0	0.26316E-01	466613.9	3783225.0	506.6	5.00	5.66	2.79	NO	
L0009291	0	0.26316E-01	466619.6	3783235.8	505.5	5.00	5.66	2.79	NO	
L0009292	0	0.26316E-01	466625.2	3783246.5	504.2	5.00	5.66	2.79	NO	
L0009293	0	0.26316E-01	466630.9	3783257.2	502.8	5.00	5.66	2.79	NO	

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0009294	0	0.26316E-01	466636.6	3783268.0	501.4	5.00	5.66	2.79	NO	
L0009295	0	0.26316E-01	466642.3	3783278.8	500.0	5.00	5.66	2.79	NO	
L0009296	0	0.26316E-01	466648.0	3783289.5	500.3	5.00	5.66	2.79	NO	
L0009297	0	0.26316E-01	466653.7	3783300.2	501.7	5.00	5.66	2.79	NO	
L0009298	0	0.26316E-01	466659.4	3783311.0	503.2	5.00	5.66	2.79	NO	
L0009299	0	0.26316E-01	466665.1	3783321.8	505.0	5.00	5.66	2.79	NO	
L0009300	0	0.26316E-01	466670.8	3783332.5	506.9	5.00	5.66	2.79	NO	
L0009301	0	0.26316E-01	466676.4	3783343.2	508.9	5.00	5.66	2.79	NO	
L0009302	0	0.26316E-01	466682.1	3783354.0	511.1	5.00	5.66	2.79	NO	
L0009303	0	0.26316E-01	466687.8	3783364.8	513.2	5.00	5.66	2.79	NO	
L0009304	0	0.26316E-01	466693.5	3783375.5	515.2	5.00	5.66	2.79	NO	
L0009305	0	0.26316E-01	466699.2	3783386.2	515.2	5.00	5.66	2.79	NO	
L0009306	0	0.26316E-01	466704.8	3783397.0	515.1	5.00	5.66	2.79	NO	
L0009307	0	0.26316E-01	466710.5	3783407.8	514.9	5.00	5.66	2.79	NO	
L0009308	0	0.26316E-01	466716.2	3783418.5	514.5	5.00	5.66	2.79	NO	
L0009309	0	0.26316E-01	466721.9	3783429.2	513.9	5.00	5.66	2.79	NO	
L0009310	0	0.26316E-01	466727.6	3783440.0	513.3	5.00	5.66	2.79	NO	
L0009311	0	0.27027E-01	466612.7	3783072.2	509.0	5.00	5.57	2.79	NO	
L0009312	0	0.27027E-01	466604.7	3783081.2	509.2	5.00	5.57	2.79	NO	
L0009313	0	0.27027E-01	466596.6	3783090.0	509.6	5.00	5.57	2.79	NO	
L0009314	0	0.27027E-01	466588.6	3783099.0	510.1	5.00	5.57	2.79	NO	
L0009315	0	0.27027E-01	466580.5	3783107.8	510.2	5.00	5.57	2.79	NO	
L0009316	0	0.27027E-01	466572.5	3783116.5	510.3	5.00	5.57	2.79	NO	
L0009317	0	0.27027E-01	466564.4	3783125.5	510.4	5.00	5.57	2.79	NO	
L0009318	0	0.27027E-01	466566.5	3783135.5	510.4	5.00	5.50	2.79	NO	
L0009319	0	0.27027E-01	466572.0	3783146.0	510.3	5.00	5.50	2.79	NO	
L0009320	0	0.27027E-01	466577.5	3783156.5	510.3	5.00	5.50	2.79	NO	
L0009321	0	0.27027E-01	466583.1	3783167.0	510.2	5.00	5.50	2.79	NO	

L0009322	0	0.27027E-01	466588.6	3783177.2	510.1	5.00	5.50	2.79	NO
L0009323	0	0.27027E-01	466594.1	3783187.8	510.0	5.00	5.50	2.79	NO
L0009324	0	0.27027E-01	466599.7	3783198.2	509.3	5.00	5.50	2.79	NO
L0009325	0	0.27027E-01	466605.2	3783208.8	508.3	5.00	5.50	2.79	NO
L0009326	0	0.27027E-01	466610.7	3783219.2	507.3	5.00	5.50	2.79	NO
L0009327	0	0.27027E-01	466616.2	3783229.8	506.1	5.00	5.50	2.79	NO
L0009328	0	0.27027E-01	466621.8	3783240.0	504.9	5.00	5.50	2.79	NO
L0009329	0	0.27027E-01	466627.3	3783250.5	503.7	5.00	5.50	2.79	NO
L0009330	0	0.27027E-01	466632.8	3783261.0	502.4	5.00	5.50	2.79	NO
L0009331	0	0.27027E-01	466638.4	3783271.5	501.0	5.00	5.50	2.79	NO
L0009332	0	0.27027E-01	466643.9	3783282.0	499.5	5.00	5.50	2.79	NO
L0009333	0	0.27027E-01	466649.4	3783292.5	500.7	5.00	5.50	2.79	NO

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0009334	0	0.27027E-01	466655.0	3783302.8	502.1	5.00	5.50	2.79	NO	
L0009335	0	0.27027E-01	466660.5	3783313.2	503.6	5.00	5.50	2.79	NO	
L0009336	0	0.27027E-01	466666.0	3783323.8	505.3	5.00	5.50	2.79	NO	
L0009337	0	0.27027E-01	466671.6	3783334.2	507.2	5.00	5.50	2.79	NO	
L0009338	0	0.27027E-01	466677.1	3783344.8	509.2	5.00	5.50	2.79	NO	
L0009339	0	0.27027E-01	466682.6	3783355.2	511.3	5.00	5.50	2.79	NO	
L0009340	0	0.27027E-01	466688.2	3783365.5	513.4	5.00	5.50	2.79	NO	
L0009341	0	0.27027E-01	466693.7	3783376.0	515.2	5.00	5.50	2.79	NO	
L0009342	0	0.27027E-01	466699.2	3783386.5	515.2	5.00	5.50	2.79	NO	
L0009343	0	0.27027E-01	466704.8	3783397.0	515.1	5.00	5.50	2.79	NO	
L0009344	0	0.27027E-01	466710.3	3783407.5	514.9	5.00	5.50	2.79	NO	
L0009345	0	0.27027E-01	466715.8	3783418.0	514.5	5.00	5.50	2.79	NO	
L0009346	0	0.27027E-01	466721.3	3783428.2	514.0	5.00	5.50	2.79	NO	
L0009347	0	0.27027E-01	466726.9	3783438.8	513.4	5.00	5.50	2.79	NO	
L0008853	0	0.24390E-01	466628.0	3783062.8	509.0	5.00	5.30	2.79	NO	
L0008854	0	0.24390E-01	466619.2	3783055.8	508.4	5.00	5.30	2.79	NO	
L0008855	0	0.24390E-01	466611.8	3783060.0	508.4	5.00	5.17	2.79	NO	
L0008856	0	0.24390E-01	466605.0	3783069.0	508.6	5.00	5.17	2.79	NO	
L0008857	0	0.24390E-01	466598.2	3783077.8	508.9	5.00	5.17	2.79	NO	
L0008858	0	0.24390E-01	466591.4	3783086.5	509.4	5.00	5.17	2.79	NO	
L0008859	0	0.24390E-01	466584.6	3783095.2	510.0	5.00	5.17	2.79	NO	
L0008860	0	0.24390E-01	466577.8	3783104.0	510.3	5.00	5.17	2.79	NO	
L0008861	0	0.24390E-01	466571.0	3783112.8	510.4	5.00	5.17	2.79	NO	
L0008862	0	0.24390E-01	466564.2	3783121.5	510.4	5.00	5.17	2.79	NO	
L0008863	0	0.24390E-01	466557.4	3783130.2	510.5	5.00	5.17	2.79	NO	
L0008864	0	0.24390E-01	466559.7	3783140.5	510.5	5.00	5.48	2.79	NO	
L0008865	0	0.24390E-01	466565.2	3783150.8	510.4	5.00	5.48	2.79	NO	
L0008866	0	0.24390E-01	466570.8	3783161.2	510.4	5.00	5.48	2.79	NO	
L0008867	0	0.24390E-01	466576.3	3783171.8	510.3	5.00	5.48	2.79	NO	
L0008868	0	0.24390E-01	466581.9	3783182.0	510.2	5.00	5.48	2.79	NO	
L0008869	0	0.24390E-01	466587.4	3783192.5	510.0	5.00	5.48	2.79	NO	
L0008870	0	0.24390E-01	466593.0	3783202.8	509.1	5.00	5.48	2.79	NO	
L0008871	0	0.24390E-01	466598.6	3783213.2	508.2	5.00	5.48	2.79	NO	
L0008872	0	0.24390E-01	466604.1	3783223.8	507.2	5.00	5.48	2.79	NO	
L0008873	0	0.24390E-01	466609.7	3783234.0	506.1	5.00	5.48	2.79	NO	
L0008874	0	0.24390E-01	466615.2	3783244.5	504.9	5.00	5.48	2.79	NO	
L0008875	0	0.24390E-01	466620.8	3783254.8	503.7	5.00	5.48	2.79	NO	
L0008876	0	0.24390E-01	466626.3	3783265.2	502.4	5.00	5.48	2.79	NO	
L0008877	0	0.24390E-01	466631.9	3783275.8	501.0	5.00	5.48	2.79	NO	
L0008878	0	0.24390E-01	466637.4	3783286.0	500.5	5.00	5.48	2.79	NO	

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0008879	0	0.24390E-01	466643.0	3783296.5	501.7	5.00	5.48	2.79	NO	
L0008880	0	0.24390E-01	466648.6	3783306.8	503.0	5.00	5.48	2.79	NO	
L0008881	0	0.24390E-01	466654.1	3783317.2	504.5	5.00	5.48	2.79	NO	
L0008882	0	0.24390E-01	466659.7	3783327.8	506.2	5.00	5.48	2.79	NO	
L0008883	0	0.24390E-01	466665.2	3783338.0	507.9	5.00	5.48	2.79	NO	
L0008884	0	0.24390E-01	466670.8	3783348.5	509.9	5.00	5.48	2.79	NO	
L0008885	0	0.24390E-01	466676.3	3783358.8	511.9	5.00	5.48	2.79	NO	
L0008886	0	0.24390E-01	466681.9	3783369.2	514.0	5.00	5.48	2.79	NO	
L0008887	0	0.24390E-01	466687.4	3783379.8	515.2	5.00	5.48	2.79	NO	
L0008888	0	0.24390E-01	466693.0	3783390.0	515.3	5.00	5.48	2.79	NO	
L0008889	0	0.24390E-01	466698.5	3783400.5	515.2	5.00	5.48	2.79	NO	
L0008890	0	0.24390E-01	466704.1	3783410.8	515.0	5.00	5.48	2.79	NO	
L0008891	0	0.24390E-01	466709.7	3783421.2	514.7	5.00	5.48	2.79	NO	
L0008892	0	0.24390E-01	466715.2	3783431.8	514.2	5.00	5.48	2.79	NO	
L0008893	0	0.24390E-01	466720.8	3783442.0	513.6	5.00	5.48	2.79	NO	
L0009348	0	0.24390E-01	466624.6	3783060.0	508.7	5.00	3.26	2.79	NO	
L0009349	0	0.24390E-01	466620.6	3783054.2	508.4	5.00	3.26	2.79	NO	
L0009350	0	0.24390E-01	466613.7	3783057.8	508.3	5.00	5.13	2.79	NO	
L0009351	0	0.24390E-01	466606.6	3783066.2	508.5	5.00	5.13	2.79	NO	
L0009352	0	0.24390E-01	466599.5	3783074.8	508.8	5.00	5.13	2.79	NO	
L0009353	0	0.24390E-01	466592.4	3783083.2	509.2	5.00	5.13	2.79	NO	
L0009354	0	0.24390E-01	466585.3	3783091.8	509.8	5.00	5.13	2.79	NO	
L0009355	0	0.24390E-01	466578.2	3783100.0	510.3	5.00	5.13	2.79	NO	
L0009356	0	0.24390E-01	466571.1	3783108.5	510.4	5.00	5.13	2.79	NO	
L0009357	0	0.24390E-01	466564.0	3783117.0	510.4	5.00	5.13	2.79	NO	
L0009358	0	0.24390E-01	466556.9	3783125.5	510.5	5.00	5.13	2.79	NO	

L0009359	0	0.24390E-01	466559.0	3783135.5	510.5	5.00	5.55	2.79	NO
L0009360	0	0.24390E-01	466564.6	3783146.2	510.4	5.00	5.55	2.79	NO
L0009361	0	0.24390E-01	466570.2	3783156.8	510.4	5.00	5.55	2.79	NO
L0009362	0	0.24390E-01	466575.7	3783167.2	510.3	5.00	5.55	2.79	NO
L0009363	0	0.24390E-01	466581.2	3783178.0	510.2	5.00	5.55	2.79	NO
L0009364	0	0.24390E-01	466586.8	3783188.5	510.1	5.00	5.55	2.79	NO
L0009365	0	0.24390E-01	466592.4	3783199.0	509.4	5.00	5.55	2.79	NO
L0009366	0	0.24390E-01	466597.9	3783209.5	508.5	5.00	5.55	2.79	NO
L0009367	0	0.24390E-01	466603.5	3783220.2	507.5	5.00	5.55	2.79	NO
L0009368	0	0.24390E-01	466609.0	3783230.8	506.4	5.00	5.55	2.79	NO
L0009369	0	0.24390E-01	466614.6	3783241.2	505.2	5.00	5.55	2.79	NO
L0009370	0	0.24390E-01	466620.1	3783251.8	504.0	5.00	5.55	2.79	NO
L0009371	0	0.24390E-01	466625.7	3783262.5	502.7	5.00	5.55	2.79	NO
L0009372	0	0.24390E-01	466631.2	3783273.0	501.3	5.00	5.55	2.79	NO

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0009373	0	0.24390E-01	466636.8	3783283.5	500.2	5.00	5.55	2.79	NO	
L0009374	0	0.24390E-01	466642.3	3783294.0	501.4	5.00	5.55	2.79	NO	
L0009375	0	0.24390E-01	466647.9	3783304.8	502.7	5.00	5.55	2.79	NO	
L0009376	0	0.24390E-01	466653.5	3783315.2	504.2	5.00	5.55	2.79	NO	
L0009377	0	0.24390E-01	466659.0	3783325.8	505.9	5.00	5.55	2.79	NO	
L0009378	0	0.24390E-01	466664.6	3783336.5	507.6	5.00	5.55	2.79	NO	
L0009379	0	0.24390E-01	466670.1	3783347.0	509.6	5.00	5.55	2.79	NO	
L0009380	0	0.24390E-01	466675.7	3783357.5	511.7	5.00	5.55	2.79	NO	
L0009381	0	0.24390E-01	466681.2	3783368.0	513.8	5.00	5.55	2.79	NO	
L0009382	0	0.24390E-01	466686.8	3783378.8	515.2	5.00	5.55	2.79	NO	
L0009383	0	0.24390E-01	466692.3	3783389.2	515.3	5.00	5.55	2.79	NO	
L0009384	0	0.24390E-01	466697.9	3783399.8	515.2	5.00	5.55	2.79	NO	
L0009385	0	0.24390E-01	466703.4	3783410.2	515.0	5.00	5.55	2.79	NO	
L0009386	0	0.24390E-01	466709.0	3783421.0	514.7	5.00	5.55	2.79	NO	
L0009387	0	0.24390E-01	466714.6	3783431.5	514.2	5.00	5.55	2.79	NO	
L0009388	0	0.24390E-01	466720.1	3783442.0	513.7	5.00	5.55	2.79	NO	
L0009709	0	0.37037E-01	466692.8	3782976.8	508.0	5.00	5.44	2.79	NO	
L0009710	0	0.37037E-01	466685.5	3782986.0	508.2	5.00	5.44	2.79	NO	
L0009711	0	0.37037E-01	466678.1	3782995.0	508.4	5.00	5.44	2.79	NO	
L0009712	0	0.37037E-01	466670.7	3783004.0	508.7	5.00	5.44	2.79	NO	
L0009713	0	0.37037E-01	466663.2	3783013.0	508.6	5.00	5.44	2.79	NO	
L0009714	0	0.37037E-01	466655.9	3783022.2	508.5	5.00	5.44	2.79	NO	
L0009715	0	0.37037E-01	466648.5	3783031.2	508.5	5.00	5.44	2.79	NO	
L0009716	0	0.37037E-01	466641.1	3783040.2	508.5	5.00	5.44	2.79	NO	
L0009717	0	0.37037E-01	466633.7	3783049.2	508.6	5.00	5.44	2.79	NO	
L0009718	0	0.37037E-01	466626.3	3783058.5	508.7	5.00	5.44	2.79	NO	
L0009719	0	0.37037E-01	466629.7	3783066.2	509.1	5.00	5.02	2.79	NO	
L0009720	0	0.37037E-01	466637.1	3783074.2	509.6	5.00	5.02	2.79	NO	
L0009721	0	0.37037E-01	466644.6	3783082.0	510.1	5.00	5.02	2.79	NO	
L0009722	0	0.37037E-01	466652.0	3783089.8	510.5	5.00	5.02	2.79	NO	
L0009723	0	0.37037E-01	466659.5	3783097.5	510.8	5.00	5.02	2.79	NO	
L0009724	0	0.37037E-01	466666.4	3783104.5	510.7	5.00	4.57	2.79	NO	
L0009725	0	0.37037E-01	466673.5	3783111.2	510.5	5.00	4.57	2.79	NO	
L0009726	0	0.37037E-01	466680.5	3783118.2	510.4	5.00	4.57	2.79	NO	
L0009727	0	0.37037E-01	466687.5	3783125.0	510.2	5.00	4.57	2.79	NO	
L0009728	0	0.37037E-01	466694.6	3783131.8	510.0	5.00	4.57	2.79	NO	
L0009729	0	0.37037E-01	466699.1	3783139.2	509.7	5.00	4.07	2.79	NO	
L0009730	0	0.37037E-01	466702.6	3783147.2	509.3	5.00	4.07	2.79	NO	
L0009731	0	0.37037E-01	466706.2	3783155.2	508.9	5.00	4.07	2.79	NO	
L0009732	0	0.37037E-01	466714.3	3783163.2	508.4	5.00	5.47	2.79	NO	

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0009733	0	0.37037E-01	466723.7	3783170.5	507.9	5.00	5.47	2.79	NO	
L0009734	0	0.37037E-01	466731.9	3783169.2	507.8	5.00	4.46	2.79	NO	
L0009735	0	0.37037E-01	466740.4	3783164.8	508.0	5.00	4.46	2.79	NO	
L0009645	0	0.31250E-01	466691.6	3783042.8	511.0	5.00	5.51	2.79	NO	
L0009646	0	0.31250E-01	466699.3	3783051.8	511.6	5.00	5.51	2.79	NO	
L0009647	0	0.31250E-01	466707.0	3783060.8	512.1	5.00	5.51	2.79	NO	
L0009648	0	0.31250E-01	466714.7	3783069.8	512.4	5.00	5.51	2.79	NO	
L0009649	0	0.31250E-01	466722.4	3783078.8	512.6	5.00	5.51	2.79	NO	
L0009650	0	0.31250E-01	466730.2	3783087.8	512.7	5.00	5.51	2.79	NO	
L0009651	0	0.31250E-01	466737.8	3783096.8	512.7	5.00	5.51	2.79	NO	
L0009652	0	0.31250E-01	466745.6	3783105.8	512.2	5.00	5.51	2.79	NO	
L0009653	0	0.31250E-01	466753.3	3783114.8	511.7	5.00	5.51	2.79	NO	
L0009654	0	0.31250E-01	466761.0	3783123.8	511.0	5.00	5.51	2.79	NO	
L0009655	0	0.31250E-01	466768.7	3783132.8	510.3	5.00	5.51	2.79	NO	
L0009656	0	0.31250E-01	466767.0	3783140.8	509.6	5.00	4.61	2.79	NO	
L0009657	0	0.31250E-01	466761.7	3783149.2	509.0	5.00	4.61	2.79	NO	
L0009658	0	0.31250E-01	466756.3	3783157.5	508.4	5.00	4.61	2.79	NO	
L0009659	0	0.31250E-01	466750.9	3783165.8	507.8	5.00	4.61	2.79	NO	
L0009660	0	0.31250E-01	466745.6	3783174.2	507.3	5.00	4.61	2.79	NO	
L0009661	0	0.31250E-01	466736.2	3783178.2	507.2	5.00	5.07	2.79	NO	
L0009662	0	0.31250E-01	466725.6	3783180.5	507.2	5.00	5.07	2.79	NO	
L0009663	0	0.31250E-01	466717.4	3783177.5	507.6	5.00	4.36	2.79	NO	
L0009664	0	0.31250E-01	466709.7	3783172.0	508.0	5.00	4.36	2.79	NO	
L0009665	0	0.31250E-01	466701.9	3783166.8	508.4	5.00	4.36	2.79	NO	

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  L0009666      0   0.31250E-01  466697.1 3783159.8   508.8     5.00     4.07     2.79     NO
  L0009667      0   0.31250E-01  466693.6 3783151.8   509.1     5.00     4.07     2.79     NO
  L0009668      0   0.31250E-01  466686.4 3783143.0   509.5     5.00     5.33     2.79     NO
  L0009669      0   0.31250E-01  466678.4 3783134.8   509.8     5.00     5.33     2.79     NO
  L0009670      0   0.31250E-01  466670.4 3783126.5   510.0     5.00     5.33     2.79     NO
  L0009671      0   0.31250E-01  466662.4 3783118.5   510.3     5.00     5.33     2.79     NO
  L0009672      0   0.31250E-01  466654.4 3783110.2   510.4     5.00     5.33     2.79     NO
  L0009673      0   0.31250E-01  466646.4 3783102.0   510.5     5.00     5.33     2.79     NO
  L0009674      0   0.31250E-01  466638.3 3783093.8   510.4     5.00     5.33     2.79     NO
  L0009675      0   0.31250E-01  466630.3 3783085.5   509.9     5.00     5.33     2.79     NO
  L0009676      0   0.31250E-01  466622.3 3783077.5   509.4     5.00     5.33     2.79     NO
 *** AERMOD - VERSION 07026 ***    *** C:\AERMOD Projects\Palm Industrial\2011 Revisions\Operational\PIop20 ***        08/10/11
                                   *** DPM Emissions for HRA                                                  ***        17:10:23
**MODELOPTs:                                                                                                            PAGE  17
CONC                       DFAULT ELEV


                                        *** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID                                                  SOURCE IDs


 INQUE     L0009709, L0009710, L0009711, L0009712, L0009713, L0009714, L0009715, L0009716, L0009717, L0009718, L0009719, L0009720,
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           L0009733, L0009734, L0009735,

 OUTQUE    L0009645, L0009646, L0009647, L0009648, L0009649, L0009650, L0009651, L0009652, L0009653, L0009654, L0009655, L0009656,
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 *** AERMOD - VERSION 07026 ***    *** C:\AERMOD Projects\Palm Industrial\2011 Revisions\Operational\PIop20 ***        08/10/11
                                   *** DPM Emissions for HRA                                                  ***        17:10:23
**MODELOPTs:                                                                                                            PAGE  18
CONC                       DFAULT ELEV


                                        *** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID                                                  SOURCE IDs

           L0009192, L0009193, L0009194, L0009195, L0009196, L0009197, L0009198, L0009199, L0009200, L0009201, L0009202, L0009203,
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 *** AERMOD - VERSION 07026 ***    *** C:\AERMOD Projects\Palm Industrial\2011 Revisions\Operational\PIop20 ***        08/10/11
                                   *** DPM Emissions for HRA                                                  ***        17:10:23
**MODELOPTs:                                                                                                            PAGE  19
CONC                      DFAULT ELEV


                                        *** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID                                                SOURCE IDs

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 *** AERMOD - VERSION 07026 ***    *** C:\AERMOD Projects\Palm Industrial\2011 Revisions\Operational\PIop20 ***        08/10/11
                                   *** DPM Emissions for HRA                                                  ***        17:10:23
**MODELOPTs:                                                                                                            PAGE  20
CONC                      DFAULT ELEV


                                        *** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID                                                SOURCE IDs

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CONC DFAULT ELEV

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID SOURCE IDs

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CONC DFAULT ELEV

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID SOURCE IDs

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CONC DFAULT ELEV

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

466479.6, 466625.1, 466770.6, 466916.2, 467061.7, 467207.2, 467352.7, 467498.2, 467643.8, 467789.3,

*** Y-COORDINATES OF GRID ***
(METERS)

3781974.8, 3782170.8, 3782366.8, 3782562.8, 3782758.8, 3782954.5, 3783150.5, 3783346.5, 3783542.5, 3783738.5,
3783934.5, 3784130.5, 3784326.5, 3784522.2,

CONC DFAULT ELEV

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 466479.59	466625.12	466770.62	466916.16	467061.69	467207.19	467352.72	467498.22	467643.75
3784522.25	540.00	546.00	560.00	566.00	567.00	567.00	563.00	561.00	562.00
3784326.50	537.00	541.00	547.00	556.00	559.00	557.00	551.00	547.00	547.00
3784130.50	533.00	532.00	533.00	536.00	544.00	549.00	542.00	537.00	539.00
3783934.50	525.00	524.00	524.00	525.00	528.00	531.00	534.00	535.00	536.00
3783738.50	513.00	513.00	513.00	512.00	508.00	513.00	517.00	518.00	520.00
3783542.50	523.00	520.00	515.00	510.00	506.00	511.00	520.00	520.00	514.00
3783346.50	510.00	509.00	510.00	511.00	507.00	506.00	504.00	504.00	505.00
3783150.50	512.00	510.00	509.00	507.00	503.00	498.00	494.00	491.00	490.00
3782954.50	501.00	503.00	513.00	530.00	523.00	498.00	493.00	492.00	494.00
3782758.75	497.00	496.00	496.00	500.00	502.00	493.00	487.00	485.00	482.00
3782562.75	496.00	492.00	491.00	490.00	489.00	489.00	485.00	484.00	484.00
3782366.75	493.00	488.00	484.00	486.00	487.00	489.00	486.00	481.00	473.00
3782170.75	490.00	485.00	485.00	481.00	482.00	485.00	483.00	481.00	481.00
3781974.75	491.00	481.00	477.00	477.00	479.00	480.00	478.00	477.00	475.00

CONC DFAULT ELEV

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 467789.28
3784522.25	562.00
3784326.50	546.00
3784130.50	537.00
3783934.50	534.00
3783738.50	520.00
3783542.50	507.00
3783346.50	505.00
3783150.50	490.00
3782954.50	490.00
3782758.75	482.00
3782562.75	485.00
3782366.75	473.00
3782170.75	482.00
3781974.75	474.00

CONC DFAULT ELEV

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 466479.59	466625.12	466770.62	466916.16	467061.69	467207.19	467352.72	467498.22	467643.75
3784522.25	567.00	569.00	560.00	566.00	567.00	567.00	568.00	561.00	562.00
3784326.50	537.00	545.00	564.00	563.00	566.00	557.00	551.00	547.00	565.00
3784130.50	533.00	532.00	563.00	565.00	544.00	549.00	542.00	537.00	547.00
3783934.50	525.00	524.00	524.00	525.00	550.00	550.00	534.00	535.00	536.00
3783738.50	513.00	513.00	513.00	512.00	550.00	543.00	517.00	518.00	520.00
3783542.50	523.00	520.00	515.00	510.00	506.00	511.00	520.00	520.00	514.00
3783346.50	510.00	509.00	516.00	511.00	507.00	506.00	519.00	522.00	522.00
3783150.50	512.00	510.00	534.00	534.00	534.00	534.00	509.00	491.00	495.00
3782954.50	519.00	534.00	534.00	530.00	533.00	534.00	533.00	492.00	494.00
3782758.75	497.00	534.00	534.00	534.00	534.00	534.00	533.00	485.00	482.00
3782562.75	496.00	492.00	533.00	533.00	533.00	533.00	485.00	495.00	495.00
3782366.75	493.00	488.00	495.00	486.00	487.00	491.00	486.00	481.00	487.00
3782170.75	490.00	485.00	495.00	481.00	482.00	485.00	483.00	481.00	481.00
3781974.75	497.00	481.00	477.00	477.00	479.00	480.00	478.00	477.00	475.00

CONC DFAULT ELEV

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 467789.28
3784522.25	562.00

```
 3784326.50 |        562.00
 3784130.50 |        537.00
 3783934.50 |        534.00
 3783738.50 |        520.00
 3783542.50 |        507.00
 3783346.50 |        505.00
 3783150.50 |        490.00
 3782954.50 |        490.00
 3782758.75 |        490.00
 3782562.75 |        485.00
 3782366.75 |        482.00
 3782170.75 |        482.00
 3781974.75 |        474.00
 *** AERMOD - VERSION 07026 ***    *** C:\AERMOD Projects\Palm Industrial\2011 Revisions\Operational\PIop20 ***        08/10/11
                                   *** DPM Emissions for HRA                                                  ***        17:10:23
**MODELOPTS:                                                                                                            PAGE  28
CONC                       DFAULT ELEV


                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                   (METERS)

    ( 466985.4, 3783463.0,     511.0,     511.0,       0.0);         ( 466738.5, 3783613.2,     512.4,     512.4,       0.0);
    ( 467235.1, 3783360.8,     504.7,     504.7,       0.0);         ( 467411.0, 3783284.2,     501.4,     501.4,       0.0);
    ( 467501.8, 3783062.8,     490.7,     490.7,       0.0);         ( 467564.2, 3782963.5,     493.1,     493.1,       0.0);
    ( 467496.1, 3782861.5,     484.7,     484.7,       0.0);         ( 467504.7, 3782799.0,     482.6,     482.6,       0.0);
    ( 467362.4, 3784233.2,     544.7,     544.7,       0.0);         ( 467217.5, 3784306.2,     554.7,     554.7,       0.0);
    ( 466642.0, 3783205.2,     507.3,     507.3,       0.0);         ( 466659.4, 3783231.5,     503.8,     503.8,       0.0);
    ( 466673.4, 3782951.0,     503.7,     534.0,       0.0);         ( 466715.2, 3782914.2,     502.9,     534.0,       0.0);
    ( 466757.0, 3782867.2,     501.6,     534.0,       0.0);         ( 467011.4, 3782724.5,     495.4,     534.0,       0.0);
    ( 467100.3, 3782740.0,     497.8,     534.0,       0.0);         ( 467142.1, 3782686.0,     494.5,     533.0,       0.0);
    ( 467208.4, 3782607.8,     490.5,     533.0,       0.0);         ( 466927.1, 3783025.8,     528.6,     534.0,       0.0);
    ( 467059.5, 3783432.8,     509.9,     509.9,       0.0);         ( 467061.7, 3783934.5,     527.6,     550.0,       0.0);
    ( 466671.2, 3783134.5,     509.8,     509.8,       0.0);         ( 466723.2, 3783212.8,     504.5,     534.0,       0.0);
    ( 466671.2, 3783138.5,     509.7,     509.7,       0.0);         ( 466611.8, 3783082.0,     509.4,     509.4,       0.0);
    ( 466846.4, 3782792.5,     499.4,     534.0,       0.0);         ( 466870.2, 3782777.8,     500.0,     534.0,       0.0);
    ( 466942.9, 3782758.2,     500.3,     534.0,       0.0);         ( 467058.8, 3782777.8,     505.3,     534.0,       0.0);
    ( 467092.9, 3782779.2,     503.3,     534.0,       0.0);         ( 467121.1, 3782773.2,     500.9,     534.0,       0.0);
    ( 467167.2, 3782737.5,     495.5,     534.0,       0.0);         ( 467345.4, 3782825.2,     479.2,     534.0,       0.0);
    ( 466935.5, 3783146.0,     507.0,     534.0,       0.0);         ( 466784.1, 3783140.0,     509.6,     534.0,       0.0);
 *** AERMOD - VERSION 07026 ***    *** C:\AERMOD Projects\Palm Industrial\2011 Revisions\Operational\PIop20 ***        08/10/11
                                   *** DPM Emissions for HRA                                                  ***        17:10:23
**MODELOPTS:                                                                                                            PAGE  29
CONC                       DFAULT ELEV

                     * SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
                          LESS THAN 1.0 METER OR WITHIN OPEN PIT SOURCE


                            SOURCE         - - RECEPTOR LOCATION - -         DISTANCE
                              ID           XR (METERS)   YR (METERS)         (METERS)
                          - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

                            L0008935          466770.6     3782954.5            -1.10
                            L0008975          466770.6     3782954.5            -7.17
                            L0008976          466770.6     3782954.5            -4.14
                            L0008998          466770.6     3783150.5            -1.27
                            L0008999          466770.6     3783150.5            -1.63
                            L0009010          466671.2     3783134.5            -3.31
                            L0009010          466671.2     3783138.5            -0.67
                            L0009011          466671.2     3783134.5             0.34
                            L0009017          466611.8     3783082.0            -0.70
                            L0009079          466611.8     3783082.0            -1.09
                            L0009085          466671.2     3783134.5            -2.02
                            L0009086          466671.2     3783134.5            -1.90
                            L0009086          466671.2     3783138.5            -0.61
                            L0009100          466770.6     3783150.5            -6.09
                            L0009101          466770.6     3783150.5            -0.97
                            L0009102          466784.1     3783140.0             0.09
                            L0009103          466784.1     3783140.0            -1.10
                            L0009223          466770.6     3782954.5            -1.82
                            L0009224          466770.6     3782954.5            -1.34
                            L0009273          466611.8     3783082.0             0.93
                            L0009274          466611.8     3783082.0            -4.06
                            L0009311          466611.8     3783082.0            -2.19
                            L0009312          466611.8     3783082.0            -4.78
                            L0009656          466770.6     3783150.5             0.49
                            L0009657          466770.6     3783150.5            -0.86
                            L0009669          466671.2     3783134.5            -4.24
                            L0009669          466671.2     3783138.5            -3.32
                            L0009670          466671.2     3783134.5            -3.42
                            L0009670          466671.2     3783138.5             0.57
                            L0009676          466611.8     3783082.0            -0.04
 *** AERMOD - VERSION 07026 ***    *** C:\AERMOD Projects\Palm Industrial\2011 Revisions\Operational\PIop20 ***        08/10/11
                                   *** DPM Emissions for HRA                                                  ***        17:10:23
**MODELOPTS:                                                                                                            PAGE  30
CONC                       DFAULT ELEV


                                       *** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
                                                   (1=YES; 0=NO)

          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1

                    METEOROLOGICAL DATA PROCESSED BETWEEN START DATE:    0   0  0  0
                                                     AND END DATE: 9999  99 99 24

              NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.
```

```
                                   *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
                                                          (METERS/SEC)

                                                 1.54,   3.09,   5.14,   8.23,  10.80,
 *** AERMOD - VERSION 07026 ***    *** C:\AERMOD Projects\Palm Industrial\2011 Revisions\Operational\PIop20 ***        08/10/11
                                   *** DPM Emissions for HRA                                                  ***        17:10:23
**MODELOPTS:                                                                                                            PAGE  31
CONC                        DFAULT ELEV


                                   *** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

  Surface file:   C:\AERMOD~1\PALMIN~1\MAPAND~1\font.SFC                                          Met Version:  06341
  Profile file:   C:\AERMOD~1\PALMIN~1\MAPAND~1\font.PFL
  Surface format: (3(I2,1X),I3,1X,I2,1X,F6.1,1X,3(F6.3,1X),2(F5.0,1X),F8.1,1X,F6.3,1X,2(F6.2,1X),F7.2,1X,F5.0,3(1X,F6.1))
  Profile format: (4(I2,1X),F6.1,1X,I1,1X,F5.0,1X,F7.2,1X,F7.2,1X,F6.1,1X,F7.2)
  Surface station no.:         0                 Upper air station no.:     3190
                 Name: UNKNOWN                                  Name: UNKNOWN
                 Year:   2005                                   Year:   2005

First 24 hours of scalar data
YR MO DY JDY HR     HO     U*     W*  DT/DZ ZICNV ZIMCH  M-O LEN    ZO  BOWEN ALBEDO  REF WS   WD     HT  REF TA     HT
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
05 01 01   1 01 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.27   1.00   1.00  999.00  999.    0.0  279.2    5.5
05 01 01   1 02 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.27   1.00   1.00  999.00  999.    0.0  279.9    5.5
05 01 01   1 03 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.27   1.00   1.00  999.00  999.    0.0  278.8    5.5
05 01 01   1 04 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.27   1.00   1.00  999.00  999.    0.0  278.8    5.5
05 01 01   1 05 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.27   1.00   1.00  999.00  999.    0.0  278.8    5.5
05 01 01   1 06 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.27   1.00   1.00  999.00  999.    0.0  278.8    5.5
05 01 01   1 07 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.27   1.00   1.00  999.00  999.    0.0  278.8    5.5
05 01 01   1 08 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.27   1.00   0.54  999.00  999.    0.0  279.2    5.5
05 01 01   1 09   29.2 -9.000 -9.000 -9.000   65. -999. -99999.0  0.27   1.00   0.32  999.00  999.    0.0  280.4    5.5
05 01 01   1 10   78.1 -9.000 -9.000 -9.000  750. -999. -99999.0  0.27   1.00   0.25  999.00  999.    0.0  283.1    5.5
05 01 01   1 11  118.6 -9.000 -9.000 -9.000 1002. -999. -99999.0  0.27   1.00   0.22  999.00  999.    0.0  285.4    5.5
05 01 01   1 12  131.3 -9.000 -9.000 -9.000 1223. -999. -99999.0  0.27   1.00   0.21  999.00  999.    0.0  284.2    5.5
05 01 01   1 13   80.3  0.258  1.402  0.009 1241.  301.    -19.3  0.27   1.00   0.21    1.80  198.    9.1  285.4    5.5
05 01 01   1 14   80.0  0.278  1.406  0.009 1258.  338.    -24.3  0.27   1.00   0.23    2.00  223.    9.1  285.4    5.5
05 01 01   1 15   36.1  0.200  1.081  0.009 1265.  207.    -19.9  0.27   1.00   0.26    1.40  218.    9.1  284.9    5.5
05 01 01   1 16    0.7  0.185  0.291  0.009 1265.  183.   -808.2  0.27   1.00   0.35    1.60  211.    9.1  284.2    5.5
05 01 01   1 17  -13.8  0.203 -9.000 -9.000 -999.  210.     54.6  0.27   1.00   0.63    2.20  228.    9.1  283.8    5.5
05 01 01   1 18   -6.0  0.107 -9.000 -9.000 -999.   84.     18.3  0.27   1.00   1.00    1.60  238.    9.1  283.1    5.5
05 01 01   1 19   -4.0  0.080 -9.000 -9.000 -999.   52.     11.5  0.27   1.00   1.00    1.40  253.    9.1  282.5    5.5
05 01 01   1 20   -1.7  0.051 -9.000 -9.000 -999.   27.      7.4  0.27   1.00   1.00    0.90  258.    9.1  282.5    5.5
05 01 01   1 21   -2.2  0.051 -9.000 -9.000 -999.   27.      5.4  0.27   1.00   1.00    0.90  250.    9.1  282.0    5.5
05 01 01   1 22   -3.4  0.063 -9.000 -9.000 -999.   36.      6.6  0.27   1.00   1.00    1.10   72.    9.1  280.9    5.5
05 01 01   1 23   -1.9  0.051 -9.000 -9.000 -999.   27.      6.3  0.27   1.00   1.00    0.90   37.    9.1  279.9    5.5
05 01 01   1 24   -2.4  0.057 -9.000 -9.000 -999.   31.      7.0  0.27   1.00   1.00    1.00   30.    9.1  279.2    5.5


First hour of profile data
YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
05 01 01 01    5.5 0 -999.  -99.00   279.3   99.0  -99.00  -99.00
05 01 01 01    9.1 1 -999.  -99.00  -999.0   99.0  -99.00  -99.00

F indicates top of profile (=1) or below (=0)
 *** AERMOD - VERSION 07026 ***    *** C:\AERMOD Projects\Palm Industrial\2011 Revisions\Operational\PIop20 ***        08/10/11
                                   *** DPM Emissions for HRA                                                  ***        17:10:23
**MODELOPTS:                                                                                                            PAGE  32
CONC                        DFAULT ELEV

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   3 YEARS FOR SOURCE GROUP: INQUE    ***
                                   INCLUDING SOURCE(S):      L0009709, L0009710, L0009711, L0009712, L0009713, L0009714, L0009715,
         L0009716, L0009717, L0009718, L0009719, L0009720, L0009721, L0009722, L0009723, L0009724, L0009725, L0009726, L0009727,
         L0009728, L0009729, L0009730, L0009731, L0009732, L0009733, L0009734, L0009735,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

                                        ** CONC OF PM-10    IN MICROGRAMS/M**3                          **

   Y-COORD  |                                                X-COORD (METERS)
   (METERS) |     466479.59    466625.12    466770.62    466916.16    467061.69    467207.19    467352.72    467498.22    467643.75
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3784522.25 |       0.13556      0.09891      0.06570      0.05564      0.06308      0.07786      0.09013      0.13215      0.16288
 3784326.50 |       0.23208      0.15269      0.10681      0.07636      0.08969      0.12721      0.20173      0.33529      0.33684
 3784130.50 |       0.36082      0.41180      0.31655      0.23169      0.24733      0.23897      0.49588      0.79917      0.73408
 3783934.50 |       1.01856      1.17904      1.21346      1.11352      0.87233      1.01582      1.21836      1.37515      1.40063
 3783738.50 |       5.94287      6.03454      6.05105      6.47950      7.20988      7.91827      6.65401      6.33003      5.39474
 3783542.50 |       2.82324      3.73002      7.56398     12.35726     13.47426     14.01692      8.60997      7.27924      7.58811
 3783346.50 |      31.37100     24.08944     26.37300     35.41243     27.07953     18.58431     12.63303      9.32490      7.26183
 3783150.50 |      69.41566    125.15691    146.32156     49.09744     23.02206     13.26037      8.81365      6.36547      4.87666
 3782954.50 |      49.04146    130.54764     44.58564      2.52310      3.22636      7.83320      5.67533      4.40750      3.60386
 3782758.75 |      39.67385     34.04869     14.90225     10.34605      7.87391      5.59330      4.28092      3.39308      2.76332
 3782562.75 |      23.43748     14.35499      8.46471      6.41597      5.12055      4.21364      3.48220      2.89395      2.42468
 3782366.75 |      13.22049      8.08607      5.53433      4.46825      3.74284      3.19068      2.76089      2.39877      2.08112
 3782170.75 |       8.09548      5.28532      3.95772      3.32465      2.85949      2.51019      2.20057      1.96953      1.77135
 3781974.75 |       5.50039      3.76687      2.97537      2.59232      2.26801      2.02727      1.81618      1.62844      1.48777
 *** AERMOD - VERSION 07026 ***    *** C:\AERMOD Projects\Palm Industrial\2011 Revisions\Operational\PIop20 ***        08/10/11
                                   *** DPM Emissions for HRA                                                  ***        17:10:23
**MODELOPTS:                                                                                                            PAGE  33
CONC                        DFAULT ELEV

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   3 YEARS FOR SOURCE GROUP: INQUE    ***
                                   INCLUDING SOURCE(S):      L0009709, L0009710, L0009711, L0009712, L0009713, L0009714, L0009715,
         L0009716, L0009717, L0009718, L0009719, L0009720, L0009721, L0009722, L0009723, L0009724, L0009725, L0009726, L0009727,
         L0009728, L0009729, L0009730, L0009731, L0009732, L0009733, L0009734, L0009735,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

                                        ** CONC OF PM-10    IN MICROGRAMS/M**3                          **

   Y-COORD  |                                                X-COORD (METERS)
   (METERS) |     467789.28
```

3784522.25	0.18552
3784326.50	0.41809
3784130.50	1.03981
3783934.50	1.64758
3783738.50	4.75154
3783542.50	6.29905
3783346.50	5.73559
3783150.50	3.89419
3782954.50	2.93311
3782758.75	2.31299
3782562.75	2.05660
3782366.75	1.81682
3782170.75	1.59082
3781974.75	1.36538

CONC DFAULT ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: INQUE ***
INCLUDING SOURCE(S): L0009709, L0009710, L0009711, L0009712, L0009713, L0009714, L0009715, L0009716, L0009717, L0009718, L0009719, L0009720, L0009721, L0009722, L0009723, L0009724, L0009725, L0009726, L0009727, L0009728, L0009729, L0009730, L0009731, L0009732, L0009733, L0009734, L0009735,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM-10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
466985.38	3783463.00	19.47427	466738.53	3783613.25	8.67677
467235.09	3783360.75	16.76002	467411.00	3783284.25	10.18642
467501.81	3783062.75	5.35529	467564.22	3782963.50	4.06731
467496.12	3782861.50	3.78634	467504.66	3782799.00	3.48126
467362.41	3784233.25	0.34623	467217.50	3784306.25	0.14201
466642.03	3783205.25	80.21645	466659.44	3783231.50	53.76187
466673.38	3782951.00	107.34277	466715.19	3782914.25	41.10344
466757.03	3782867.25	24.41501	467011.44	3782724.50	7.69315
467100.31	3782740.00	6.76464	467142.12	3782686.00	5.66763
467208.38	3782607.75	4.50557	466927.06	3783025.75	3.99316
467059.53	3783432.75	21.94589	467061.69	3783934.50	0.91329
466671.19	3783134.50	239.94218	466723.16	3783212.75	69.68272
466671.19	3783138.50	222.68634	466611.81	3783082.00	217.80705
466846.41	3782792.50	13.42347	466870.19	3782777.75	12.11603
466942.94	3782758.25	9.77676	467058.78	3782777.75	8.87262
467092.91	3782779.25	7.88667	467121.12	3782773.25	7.06455
467167.16	3782737.50	5.89168	467345.38	3782825.25	4.64431
466935.53	3783146.00	43.88237	466784.06	3783140.00	122.70864

CONC DFAULT ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: OUTQUE ***
INCLUDING SOURCE(S): L0009645, L0009646, L0009647, L0009648, L0009649, L0009650, L0009651, L0009652, L0009653, L0009654, L0009655, L0009656, L0009657, L0009658, L0009659, L0009660, L0009661, L0009662, L0009663, L0009664, L0009665, L0009666, L0009667, L0009668, L0009669, L0009670, L0009671, L0009672, L0009673, L0009674, . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM-10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 466479.59	466625.12	466770.62	466916.16	467061.69	467207.19	467352.72	467498.22	467643.75
3784522.25	0.14425	0.10414	0.07086	0.05815	0.06380	0.07927	0.09267	0.13552	0.16970
3784326.50	0.24523	0.16403	0.11672	0.08059	0.09118	0.13406	0.20834	0.35150	0.35776
3784130.50	0.39202	0.46620	0.35979	0.25598	0.25472	0.25018	0.51988	0.86520	0.79606
3783934.50	1.17592	1.36484	1.38527	1.23800	0.99251	1.08778	1.33453	1.51147	1.54388
3783738.50	6.37121	6.38781	6.44311	6.99261	7.60551	8.52485	7.50857	7.00804	5.94048
3783542.50	3.82591	4.43295	9.07455	13.40276	14.77546	15.63275	9.79790	8.12069	8.19095
3783346.50	39.63851	29.14726	30.23553	41.52316	31.32294	20.53798	13.44197	9.68260	7.43188
3783150.50	54.31270	145.34549	172.36024	56.60660	23.78333	13.40379	8.83151	6.35073	4.84994
3782954.50	41.06166	88.35104	42.76854	2.35134	3.46311	7.65674	5.55884	4.31580	3.52171
3782758.75	32.52123	32.15845	14.76075	10.00743	7.70585	5.65913	4.37337	3.45825	2.79986
3782562.75	20.79329	14.62550	8.37051	6.25579	5.01050	4.13700	3.47072	2.91411	2.45938
3782366.75	12.57128	8.29159	5.46901	4.38383	3.67059	3.14025	2.71115	2.37935	2.07947
3782170.75	7.98263	5.39792	3.91486	3.27194	2.80890	2.47383	2.17432	1.93531	1.75516
3781974.75	5.50528	3.82857	2.94550	2.54979	2.23931	1.99486	1.79705	1.61358	1.46316

CONC DFAULT ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: OUTQUE ***
INCLUDING SOURCE(S): L0009645, L0009646, L0009647, L0009648, L0009649, L0009650, L0009651, L0009652, L0009653, L0009654, L0009655, L0009656, L0009657, L0009658, L0009659, L0009660, L0009661, L0009662, L0009663, L0009664, L0009665, L0009666, L0009667, L0009668, L0009669, L0009670, L0009671, L0009672, L0009673, L0009674, . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM-10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 467789.28
3784522.25	0.19478
3784326.50	0.44569
3784130.50	1.13479
3783934.50	1.82166
3783738.50	5.16295
3783542.50	6.55697

```
 3783346.50 |       5.81422
 3783150.50 |       3.86376
 3782954.50 |       2.87844
 3782758.75 |       2.32998
 3782562.75 |       2.09338
 3782366.75 |       1.82482
 3782170.75 |       1.58292
 3781974.75 |       1.35176
  *** AERMOD - VERSION 07026 ***    *** C:\AERMOD Projects\Palm Industrial\2011 Revisions\Operational\PIop20 ***        08/10/11
                                  *** DPM Emissions for HRA                                                  ***        17:10:23
**MODELOPTs:                                                                                                            PAGE  37
CONC                      DFAULT ELEV

                  *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   3 YEARS FOR SOURCE GROUP: OUTQUE   ***
                                  INCLUDING SOURCE(S):      L0009645, L0009646, L0009647, L0009648, L0009649, L0009650, L0009651,
        L0009652, L0009653, L0009654, L0009655, L0009656, L0009657, L0009658, L0009659, L0009660, L0009661, L0009662, L0009663,
        L0009664, L0009665, L0009666, L0009667, L0009668, L0009669, L0009670, L0009671, L0009672, L0009673, L0009674,  . . .  ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                  ** CONC OF PM-10    IN MICROGRAMS/M**3                                  **

      X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)   Y-COORD (M)        CONC
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        466985.38    3783463.00       21.89050                     466738.53    3783613.25        9.22276
        467235.09    3783360.75       18.42645                     467411.00    3783284.25       10.54830
        467501.81    3783062.75        5.24688                     467564.22    3782963.50        3.97464
        467496.12    3782861.50        3.79488                     467504.66    3782799.00        3.53191
        467362.41    3784233.25        0.35742                     467217.50    3784306.25        0.15024
        466642.03    3783205.25      107.64050                     466659.44    3783231.50       78.12724
        466673.38    3782951.00       83.56973                     466715.19    3782914.25       44.78496
        466757.03    3782867.25       24.62875                     467011.44    3782724.50        7.49914
        467100.31    3782740.00        6.68658                     467142.12    3782686.00        5.59262
        467208.38    3782607.75        4.44117                     466927.06    3783025.75        2.99015
        467059.53    3783432.75       25.00338                     467061.69    3783934.50        1.03957
        466671.19    3783134.50      257.95435                     466723.16    3783212.75      101.39237
        466671.19    3783138.50      241.96544                     466611.81    3783082.00      160.40002
        466846.41    3782792.50       12.98101                     466870.19    3782777.75       11.71387
        466942.94    3782758.25        9.46482                     467058.78    3782777.75        8.60795
        467092.91    3782779.25        7.76271                     467121.12    3782773.25        7.03237
        467167.16    3782737.50        5.89609                     467345.38    3782825.25        4.73228
        466935.53    3783146.00       48.58398                     466784.06    3783140.00      219.96382
  *** AERMOD - VERSION 07026 ***    *** C:\AERMOD Projects\Palm Industrial\2011 Revisions\Operational\PIop20 ***        08/10/11
                                  *** DPM Emissions for HRA                                                  ***        17:10:23
**MODELOPTs:                                                                                                            PAGE  38
CONC                      DFAULT ELEV

                  *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   3 YEARS FOR SOURCE GROUP: TKNI     ***
                                  INCLUDING SOURCE(S):      L0009018, L0009019, L0009020, L0009021, L0009022, L0009023, L0009024,
        L0009025, L0009026, L0009027, L0009028, L0009029, L0009030, L0009031, L0009032, L0009033, L0009034, L0009035, L0009036,
        L0009037, L0009038, L0009039, L0009040, L0009041, L0009042, L0009043, L0009044, L0009045, L0009046, L0009047,  . . .  ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

                                  ** CONC OF PM-10    IN MICROGRAMS/M**3                                  **

   Y-COORD  |                                                 X-COORD (METERS)
   (METERS) |     466479.59    466625.12    466770.62    466916.16    467061.69    467207.19    467352.72    467498.22    467643.75
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3784522.25 |       0.18406      0.11235      0.07266      0.06078      0.06233      0.06790      0.07632      0.10969      0.13258
 3784326.50 |       0.34459      0.18954      0.12366      0.08492      0.08411      0.11384      0.17126      0.27413      0.28633
 3784130.50 |       0.61205      0.62254      0.47162      0.35184      0.24662      0.21016      0.40162      0.71648      0.67441
 3783934.50 |       1.78028      1.83103      1.77437      1.60212      1.11457      0.97841      1.06857      1.25618      1.41337
 3783738.50 |       6.28211      5.86987      5.80706      5.97487      6.05401      6.76697      6.25191      6.41211      6.04607
 3783542.50 |       7.13963      6.64362      8.90542     10.34179     10.70526     12.25807      9.48527      9.12921      9.42761
 3783346.50 |      28.73408     27.26894     24.18540     27.21911     24.39030     20.71404     16.33619     13.08339     10.41602
 3783150.50 |      29.52973     68.18407    142.69374    102.38599     46.86043     28.84026     19.38627     12.84012      8.75199
 3782954.50 |      23.55929     46.54059     52.37915     14.96750     68.28982     39.84880     15.31715      8.80268      6.08971
 3782758.75 |      20.25324     24.30192     24.49490     26.58314     26.16104     12.08835      8.02304      5.67806      4.23209
 3782562.75 |      15.13693     15.79456     15.73082     15.10053     11.03043      6.85787      5.25820      4.24338      3.45902
 3782366.75 |      11.15757     11.08510     10.56038      9.02011      6.29226      4.59579      3.76006      3.16777      2.72417
 3782170.75 |       8.43598      8.09163      7.27505      5.77899      4.21330      3.35013      2.84857      2.47642      2.17705
 3781974.75 |       6.59292      6.00033      5.12008      4.00908      3.08717      2.57452      2.25307      1.99499      1.78638
  *** AERMOD - VERSION 07026 ***    *** C:\AERMOD Projects\Palm Industrial\2011 Revisions\Operational\PIop20 ***        08/10/11
                                  *** DPM Emissions for HRA                                                  ***        17:10:23
**MODELOPTs:                                                                                                            PAGE  39
CONC                      DFAULT ELEV

                  *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   3 YEARS FOR SOURCE GROUP: TKNI     ***
                                  INCLUDING SOURCE(S):      L0009018, L0009019, L0009020, L0009021, L0009022, L0009023, L0009024,
        L0009025, L0009026, L0009027, L0009028, L0009029, L0009030, L0009031, L0009032, L0009033, L0009034, L0009035, L0009036,
        L0009037, L0009038, L0009039, L0009040, L0009041, L0009042, L0009043, L0009044, L0009045, L0009046, L0009047,  . . .  ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

                                  ** CONC OF PM-10    IN MICROGRAMS/M**3                                  **

   Y-COORD  |                                                 X-COORD (METERS)
   (METERS) |     467789.28
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3784522.25 |       0.15783
 3784326.50 |       0.37465
 3784130.50 |       1.06011
 3783934.50 |       1.84492
 3783738.50 |       5.74443
 3783542.50 |       7.73359
 3783346.50 |       8.13702
 3783150.50 |       6.32551
 3782954.50 |       4.52269
 3782758.75 |       3.31567
 3782562.75 |       2.83870
 3782366.75 |       2.35603
 3782170.75 |       1.94387
 3781974.75 |       1.60741
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 *** AERMOD - VERSION 07026 ***    *** C:\AERMOD Projects\Palm Industrial\2011 Revisions\Operational\PIop20 ***        08/10/11
                                   *** DPM Emissions for HRA                                                  ***       17:10:23
**MODELOPTs:                                                                                                            PAGE  40
CONC                       DFAULT ELEV

                  *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   3 YEARS FOR SOURCE GROUP: TKNI     ***
                                 INCLUDING SOURCE(S):      L0009018, L0009019, L0009020, L0009021, L0009022, L0009023, L0009024,
         L0009025, L0009026, L0009027, L0009028, L0009029, L0009030, L0009031, L0009032, L0009033, L0009034, L0009035, L0009036,
         L0009037, L0009038, L0009039, L0009040, L0009041, L0009042, L0009043, L0009044, L0009045, L0009046, L0009047,  . . .  ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                     ** CONC OF PM-10    IN MICROGRAMS/M**3                          **

      X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)   Y-COORD (M)        CONC
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        466985.38    3783463.00       15.39876                      466738.53    3783613.25        8.08827
        467235.09    3783360.75       18.81326                      467411.00    3783284.25       15.72647
        467501.81    3783062.75       11.44605                      467564.22    3782963.50        7.51942
        467496.12    3782861.50        6.77865                      467504.66    3782799.00        5.91613
        467362.41    3784233.25        0.28518                      467217.50    3784306.25        0.12839
        466642.03    3783205.25       61.78836                      466659.44    3783231.50       51.78181
        466673.38    3782951.00       43.87678                      466715.19    3782914.25       37.86168
        466757.03    3782867.25       32.75826                      467011.44    3782724.50       23.41629
        467100.31    3782740.00       20.40588                      467142.12    3782686.00       12.39625
        467208.38    3782607.75        7.64657                      466927.06    3783025.75       20.52061
        467059.53    3783432.75       17.99456                      467061.69    3783934.50        1.16571
        466671.19    3783134.50      121.21253                      466723.16    3783212.75       64.33053
        466671.19    3783138.50      115.70696                      466611.81    3783082.00       81.30177
        466846.41    3782792.50       27.87446                      466870.19    3782777.75       27.28972
        466942.94    3782758.25       26.86187                      467058.78    3782777.75       29.89090
        467092.91    3782779.25       27.55250                      467121.12    3782773.25       22.57157
        467167.16    3782737.50       13.40956                      467345.38    3782825.25        9.49599
        466935.53    3783146.00       97.06882                      466784.06    3783140.00      140.29793
 *** AERMOD - VERSION 07026 ***    *** C:\AERMOD Projects\Palm Industrial\2011 Revisions\Operational\PIop20 ***        08/10/11
                                   *** DPM Emissions for HRA                                                  ***       17:10:23
**MODELOPTs:                                                                                                            PAGE  41
CONC                       DFAULT ELEV

                  *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   3 YEARS FOR SOURCE GROUP: TKNI2    ***
                                 INCLUDING SOURCE(S):      L0008853, L0008854, L0008855, L0008856, L0008857, L0008858, L0008859,
         L0008860, L0008861, L0008862, L0008863, L0008864, L0008865, L0008866, L0008867, L0008868, L0008869, L0008870, L0008871,
         L0008872, L0008873, L0008874, L0008875, L0008876, L0008877, L0008878, L0008879, L0008880, L0008881, L0008882,  . . .  ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

                                     ** CONC OF PM-10    IN MICROGRAMS/M**3                          **

   Y-COORD  |                                                 X-COORD (METERS)
   (METERS) |     466479.59    466625.12    466770.62    466916.16    467061.69    467207.19    467352.72    467498.22    467643.75
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3784522.25 |       0.15441      0.11521      0.07545      0.06886      0.08550      0.10224      0.13030      0.19688      0.22233
 3784326.50 |       0.27411      0.18586      0.12530      0.10494      0.12793      0.19209      0.33858      0.48873      0.50211
 3784130.50 |       0.46719      0.54852      0.39272      0.36975      0.35997      0.45555      0.80173      1.24849      1.05108
 3783934.50 |       1.56531      1.71919      1.68864      1.85541      1.93601      1.98703      2.07589      2.04175      1.86738
 3783738.50 |       8.73069      8.20139      8.42203     10.66077     12.53009     11.54794      8.94447      7.24307      5.54548
 3783542.50 |      12.19287     13.68503     22.99634     29.18376     21.41271     15.56758      8.53585      6.58114      6.51084
 3783346.50 |      46.70749    102.47498     67.82074     33.85840     20.69079     13.60059      9.40849      7.05757      5.58421
 3783150.50 |      94.69065    124.13142     45.96204     22.05294     12.83913      8.23405      5.88552      4.49309      3.59863
 3782954.50 |      60.34456     34.02489     17.16148      1.47958      2.36376      5.64866      4.27002      3.42933      2.87852
 3782758.75 |      27.63732     13.76735      8.85804      6.99489      5.73883      4.22708      3.39648      2.80122      2.34402
 3782562.75 |      13.87290      7.84693      5.69814      4.59853      3.82332      3.25362      2.76610      2.38231      2.06089
 3782366.75 |       8.08635      5.16619      4.02460      3.39671      2.92423      2.56529      2.25091      1.98220      1.75734
 3782170.75 |       5.31530      3.71067      3.05213      2.62641      2.31088      2.06478      1.84060      1.66164      1.50863
 3781974.75 |       3.87285      2.81278      2.37850      2.11015      1.88262      1.70234      1.54124      1.40053      1.28612
 *** AERMOD - VERSION 07026 ***    *** C:\AERMOD Projects\Palm Industrial\2011 Revisions\Operational\PIop20 ***        08/10/11
                                   *** DPM Emissions for HRA                                                  ***       17:10:23
**MODELOPTs:                                                                                                            PAGE  42
CONC                       DFAULT ELEV

                  *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   3 YEARS FOR SOURCE GROUP: TKNI2    ***
                                 INCLUDING SOURCE(S):      L0008853, L0008854, L0008855, L0008856, L0008857, L0008858, L0008859,
         L0008860, L0008861, L0008862, L0008863, L0008864, L0008865, L0008866, L0008867, L0008868, L0008869, L0008870, L0008871,
         L0008872, L0008873, L0008874, L0008875, L0008876, L0008877, L0008878, L0008879, L0008880, L0008881, L0008882,  . . .  ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

                                     ** CONC OF PM-10    IN MICROGRAMS/M**3                          **

   Y-COORD  |                                                 X-COORD (METERS)
   (METERS) |     467789.28
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3784522.25 |       0.26131
 3784326.50 |       0.58010
 3784130.50 |       1.38249
 3783934.50 |       1.96678
 3783738.50 |       4.62775
 3783542.50 |       5.42245
 3783346.50 |       4.50052
 3783150.50 |       2.97778
 3782954.50 |       2.37460
 3782758.75 |       1.99742
 3782562.75 |       1.79489
 3782366.75 |       1.56532
 3782170.75 |       1.37945
 3781974.75 |       1.18558
 *** AERMOD - VERSION 07026 ***    *** C:\AERMOD Projects\Palm Industrial\2011 Revisions\Operational\PIop20 ***        08/10/11
                                   *** DPM Emissions for HRA                                                  ***       17:10:23
**MODELOPTs:                                                                                                            PAGE  43
CONC                       DFAULT ELEV

                  *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   3 YEARS FOR SOURCE GROUP: TKNI2    ***
                                 INCLUDING SOURCE(S):      L0008853, L0008854, L0008855, L0008856, L0008857, L0008858, L0008859,
         L0008860, L0008861, L0008862, L0008863, L0008864, L0008865, L0008866, L0008867, L0008868, L0008869, L0008870, L0008871,
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L0008872, L0008873, L0008874, L0008875, L0008876, L0008877, L0008878, L0008879, L0008880, L0008881, L0008882, . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM-10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
466985.38	3783463.00	28.70445	466738.53	3783613.25	13.73025
467235.09	3783360.75	12.75265	467411.00	3783284.25	7.28876
467501.81	3783062.75	3.90018	467564.22	3782963.50	3.19054
467496.12	3782861.50	3.06425	467504.66	3782799.00	2.86378
467362.41	3784233.25	0.55437	467217.50	3784306.25	0.22538
466642.03	3783205.25	129.92668	466659.44	3783231.50	119.22916
466673.38	3782951.00	24.24069	466715.19	3782914.25	17.36492
466757.03	3782867.25	12.89802	467011.44	3782724.50	5.41686
467100.31	3782740.00	4.97379	467142.12	3782686.00	4.23391
467208.38	3782607.75	3.45520	466927.06	3783025.75	1.71584
467059.53	3783432.75	22.88247	467061.69	3783934.50	2.01859
466671.19	3783134.50	86.53968	466723.16	3783212.75	64.33465
466671.19	3783138.50	86.17873	466611.81	3783082.00	152.39395
466846.41	3782792.50	8.44909	466870.19	3782777.75	7.87184
466942.94	3782758.25	6.71621	467058.78	3782777.75	6.29625
467092.91	3782779.25	5.77520	467121.12	3782773.25	5.26727
467167.16	3782737.50	4.41774	467345.38	3782825.25	3.64361
466935.53	3783146.00	20.16829	466784.06	3783140.00	41.25924

 *** AERMOD - VERSION 07026 *** *** C:\AERMOD Projects\Palm Industrial\2011 Revisions\Operational\PIop20 *** 08/10/11
*** DPM Emissions for HRA *** 17:10:23
**MODELOPTS: PAGE 44
CONC DFAULT ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: TKNIDL ***
INCLUDING SOURCE(S): L0009144, L0009145, L0009146, L0009147, L0009148, L0009149, L0009150,
L0009151, L0009152, L0009153, L0009154, L0009155, L0009156, L0009157, L0009158, L0009159, L0009160, L0009161, L0009162,
L0009163, L0009164, L0009165, L0009166, L0009167, L0009168, L0009169, L0009170, L0009171, L0009172, L0009173, . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM-10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 466479.59	466625.12	466770.62	466916.16	467061.69	467207.19	467352.72	467498.22	467643.75
3784522.25	0.27118	0.13671	0.07971	0.06569	0.06542	0.06275	0.06459	0.09563	0.10939
3784326.50	0.52431	0.25491	0.14724	0.09417	0.08583	0.10730	0.15426	0.24456	0.24481
3784130.50	0.96076	0.91489	0.71127	0.53217	0.28791	0.19543	0.36835	0.68467	0.65671
3783934.50	2.59378	2.57970	2.45909	2.31409	1.52878	1.14108	1.01324	1.18285	1.44451
3783738.50	5.49574	4.81714	4.62588	4.62755	4.49547	4.77407	5.07325	5.62943	5.93809
3783542.50	9.81905	8.48457	7.55947	7.04405	6.92544	7.80881	8.66819	9.51273	9.61728
3783346.50	17.23152	20.74355	16.83569	13.73161	14.09143	16.58945	16.70750	15.03028	12.50799
3783150.50	13.05997	21.50387	44.03057	65.86239	57.53246	41.22518	28.93087	18.95365	12.49895
3782954.50	11.17383	17.61194	36.60359	37.05867	182.39526	70.97804	25.63892	13.52445	8.75174
3782758.75	11.39441	17.38505	29.98119	45.02634	47.36871	18.84278	11.72636	7.83360	5.60574
3782562.75	10.73579	15.59871	22.28738	24.94295	17.48286	9.68727	7.09603	5.57942	4.43149
3782366.75	9.74722	13.04988	15.58683	14.05339	9.00674	6.08359	4.83228	3.96736	3.36814
3782170.75	8.61243	10.40620	10.66887	8.43972	5.63890	4.24320	3.52501	3.02232	2.60262
3781974.75	7.42110	8.00136	7.32302	5.53312	3.93910	3.15890	2.71314	2.37279	2.10867

 *** AERMOD - VERSION 07026 *** *** C:\AERMOD Projects\Palm Industrial\2011 Revisions\Operational\PIop20 *** 08/10/11
*** DPM Emissions for HRA *** 17:10:23
**MODELOPTS: PAGE 45
CONC DFAULT ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: TKNIDL ***
INCLUDING SOURCE(S): L0009144, L0009145, L0009146, L0009147, L0009148, L0009149, L0009150,
L0009151, L0009152, L0009153, L0009154, L0009155, L0009156, L0009157, L0009158, L0009159, L0009160, L0009161, L0009162,
L0009163, L0009164, L0009165, L0009166, L0009167, L0009168, L0009169, L0009170, L0009171, L0009172, L0009173, . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM-10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 467789.28
3784522.25	0.13012
3784326.50	0.34691
3784130.50	1.11458
3783934.50	2.06447
3783738.50	6.06805
3783542.50	8.20308
3783346.50	9.90274
3783150.50	8.69934
3782954.50	6.20846
3782758.75	4.26390
3782562.75	3.54257
3782366.75	2.87368
3782170.75	2.30187
3781974.75	1.86531

 *** AERMOD - VERSION 07026 *** *** C:\AERMOD Projects\Palm Industrial\2011 Revisions\Operational\PIop20 *** 08/10/11
*** DPM Emissions for HRA *** 17:10:23
**MODELOPTS: PAGE 46
CONC DFAULT ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: TKNIDL ***
INCLUDING SOURCE(S): L0009144, L0009145, L0009146, L0009147, L0009148, L0009149, L0009150,
L0009151, L0009152, L0009153, L0009154, L0009155, L0009156, L0009157, L0009158, L0009159, L0009160, L0009161, L0009162,
L0009163, L0009164, L0009165, L0009166, L0009167, L0009168, L0009169, L0009170, L0009171, L0009172, L0009173, . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM-10 IN MICROGRAMS/M**3 **

X-COORD (M) Y-COORD (M) CONC X-COORD (M) Y-COORD (M) CONC

466985.38	3783463.00	9.03181	466738.53	3783613.25	6.16711
467235.09	3783360.75	15.60096	467411.00	3783284.25	19.15788
467501.81	3783062.75	17.69340	467564.22	3782963.50	11.22306
467496.12	3782861.50	9.82264	467504.66	3782799.00	8.25123
467362.41	3784233.25	0.26419	467217.50	3784306.25	0.12179
466642.03	3783205.25	25.59857	466659.44	3783231.50	27.47165
466673.38	3782951.00	21.23850	466715.19	3782914.25	25.52473
466757.03	3782867.25	30.92106	467011.44	3782724.50	41.89589
467100.31	3782740.00	35.65875	467142.12	3782686.00	19.45385
467208.38	3782607.75	10.99329	466927.06	3783025.75	54.92157
467059.53	3783432.75	10.07296	467061.69	3783934.50	1.58877
466671.19	3783134.50	25.23108	466723.16	3783212.75	35.21299
466671.19	3783138.50	25.45488	466611.81	3783082.00	17.80750
466846.41	3782792.50	41.66623	466870.19	3782777.75	43.19975
466942.94	3782758.25	46.62667	467058.78	3782777.75	54.49689
467092.91	3782779.25	50.09501	467121.12	3782773.25	39.40076
467167.16	3782737.50	21.14857	467345.38	3782825.25	14.30371
466935.53	3783146.00	65.72181	466784.06	3783140.00	46.85144

CONC DFAULT ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: TKNO ***
INCLUDING SOURCE(S): L0009079, L0009080, L0009081, L0009082, L0009083, L0009084, L0009085,
L0009086, L0009087, L0009088, L0009089, L0009090, L0009091, L0009092, L0009093, L0009094, L0009095, L0009096, L0009097,
L0009098, L0009099, L0009100, L0009101, L0009102, L0009103, L0009104, L0009105, L0009106, L0009107, L0009108, . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM-10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 466479.59	466625.12	466770.62	466916.16	467061.69	467207.19	467352.72	467498.22	467643.75
3784522.25	0.16345	0.10467	0.07000	0.05927	0.06139	0.06753	0.07645	0.10937	0.13204
3784326.50	0.30515	0.17185	0.11589	0.08226	0.08302	0.11195	0.16879	0.26748	0.27999
3784130.50	0.53444	0.55021	0.40621	0.30779	0.23310	0.20663	0.39001	0.68274	0.64268
3783934.50	1.57322	1.58860	1.50499	1.38337	0.99122	0.89693	1.01703	1.19854	1.33852
3783738.50	6.39054	5.92365	5.84519	6.19834	6.44647	6.97159	6.27789	6.38442	5.89566
3783542.50	6.69773	6.33272	8.41588	11.14669	11.60886	12.89655	9.19101	8.81253	9.45624
3783346.50	30.93047	30.25326	27.26218	30.16344	26.34555	21.62669	16.69997	13.26080	10.50827
3783150.50	30.63437	76.92491	121.78305	115.52706	47.24540	28.67700	19.13875	12.57623	8.54247
3782954.50	24.71599	45.03953	49.03638	11.02722	44.69851	40.29838	14.55639	8.43399	5.88518
3782758.75	20.54021	23.62160	23.32096	24.92715	24.45842	11.55535	7.73543	5.53526	4.14129
3782562.75	15.06086	15.29574	14.97957	14.25463	10.52805	6.62100	5.09766	4.12777	3.38386
3782366.75	10.99353	10.70798	10.08611	8.61920	6.08781	4.46958	3.66368	3.09554	2.66441
3782170.75	8.26562	7.81350	6.98894	5.57686	4.10260	3.27158	2.78700	2.42619	2.13800
3781974.75	6.45414	5.80141	4.94377	3.89531	3.01880	2.52156	2.21036	1.95943	1.75620

CONC DFAULT ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: TKNO ***
INCLUDING SOURCE(S): L0009079, L0009080, L0009081, L0009082, L0009083, L0009084, L0009085,
L0009086, L0009087, L0009088, L0009089, L0009090, L0009091, L0009092, L0009093, L0009094, L0009095, L0009096, L0009097,
L0009098, L0009099, L0009100, L0009101, L0009102, L0009103, L0009104, L0009105, L0009106, L0009107, L0009108, . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM-10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 467789.28
3784522.25	0.15677
3784326.50	0.36404
3784130.50	1.00151
3783934.50	1.73233
3783738.50	5.58467
3783542.50	7.86489
3783346.50	8.17482
3783150.50	6.17713
3782954.50	4.38778
3782758.75	3.24892
3782562.75	2.78977
3782366.75	2.31191
3782170.75	1.91012
3781974.75	1.58288

CONC DFAULT ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: TKNO ***
INCLUDING SOURCE(S): L0009079, L0009080, L0009081, L0009082, L0009083, L0009084, L0009085,
L0009086, L0009087, L0009088, L0009089, L0009090, L0009091, L0009092, L0009093, L0009094, L0009095, L0009096, L0009097,
L0009098, L0009099, L0009100, L0009101, L0009102, L0009103, L0009104, L0009105, L0009106, L0009107, L0009108, . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM-10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
466985.38	3783463.00	16.63919	466738.53	3783613.25	8.21637
467235.09	3783360.75	19.55321	467411.00	3783284.25	15.82251
467501.81	3783062.75	11.08322	467564.22	3782963.50	7.23453
467496.12	3782861.50	6.54365	467504.66	3782799.00	5.75958
467362.41	3784233.25	0.27843	467217.50	3784306.25	0.12590
466642.03	3783205.25	69.29366	466659.44	3783231.50	59.27930
466673.38	3782951.00	42.71042	466715.19	3782914.25	36.71092
466757.03	3782867.25	31.45776	467011.44	3782724.50	21.77598

467100.31	3782740.00	19.13473	467142.12	3782686.00	11.88420
467208.38	3782607.75	7.36796	466927.06	3783025.75	13.80649
467059.53	3783432.75	19.45670	467061.69	3783934.50	1.03786
466671.19	3783134.50	139.52020	466723.16	3783212.75	81.56039
466671.19	3783138.50	140.37654	466611.81	3783082.00	84.48228
466846.41	3782792.50	26.30925	466870.19	3782777.75	25.70208
466942.94	3782758.25	25.13042	467058.78	3782777.75	28.06964
467092.91	3782779.25	25.79051	467121.12	3782773.25	21.29981
467167.16	3782737.50	12.86362	467345.38	3782825.25	9.16121
466935.53	3783146.00	107.61526	466784.06	3783140.00	122.88781

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: TKNO2 ***
INCLUDING SOURCE(S): L0009273, L0009274, L0009275, L0009276, L0009277, L0009278, L0009279,
L0009280, L0009281, L0009282, L0009283, L0009284, L0009285, L0009286, L0009287, L0009288, L0009289, L0009290, L0009291,
L0009292, L0009293, L0009294, L0009295, L0009296, L0009297, L0009298, L0009299, L0009300, L0009301, L0009302, . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM-10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 466479.59	466625.12	466770.62	466916.16	467061.69	467207.19	467352.72	467498.22	467643.75
3784522.25	0.15373	0.11520	0.07587	0.06884	0.08528	0.10208	0.12977	0.19740	0.22237
3784326.50	0.27314	0.18587	0.12603	0.10454	0.12803	0.19054	0.33937	0.48791	0.50334
3784130.50	0.46762	0.54854	0.39422	0.36530	0.35565	0.45603	0.80025	1.25364	1.05616
3783934.50	1.57627	1.71866	1.69028	1.84946	1.91505	1.98067	2.08914	2.05682	1.88569
3783738.50	8.84375	8.23267	8.42960	10.52063	12.64941	11.70956	9.09566	7.33986	5.57024
3783542.50	12.24583	13.69823	22.49666	30.01152	22.14960	15.88967	8.60145	6.59878	6.53149
3783346.50	46.18267	96.24213	72.92704	34.99332	20.97618	13.64436	9.44753	7.06605	5.56236
3783150.50	87.79708	146.25429	43.42284	20.93001	12.58457	8.13586	5.82745	4.45651	3.57513
3782954.50	59.49311	31.74254	16.17969	1.44647	2.33186	5.63296	4.25379	3.41680	2.87014
3782758.75	26.89378	13.50834	8.72596	6.93448	5.70491	4.21687	3.39527	2.80364	2.34613
3782562.75	13.63522	7.77524	5.63640	4.55574	3.79184	3.23364	2.75434	2.37771	2.06134
3782366.75	8.01458	5.13644	3.98863	3.37107	2.90604	2.55227	2.23992	1.97399	1.75258
3782170.75	5.29127	3.69576	3.03182	2.61039	2.29761	2.05579	1.83296	1.65450	1.50353
3781974.75	3.86695	2.80360	2.36410	2.09894	1.87410	1.69464	1.53555	1.39571	1.28101

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: TKNO2 ***
INCLUDING SOURCE(S): L0009273, L0009274, L0009275, L0009276, L0009277, L0009278, L0009279,
L0009280, L0009281, L0009282, L0009283, L0009284, L0009285, L0009286, L0009287, L0009288, L0009289, L0009290, L0009291,
L0009292, L0009293, L0009294, L0009295, L0009296, L0009297, L0009298, L0009299, L0009300, L0009301, L0009302, . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM-10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 467789.28
3784522.25	0.26185
3784326.50	0.58308
3784130.50	1.38877
3783934.50	1.98416
3783738.50	4.63934
3783542.50	5.43654
3783346.50	4.48029
3783150.50	2.96203
3782954.50	2.36614
3782758.75	1.99925
3782562.75	1.79823
3782366.75	1.56317
3782170.75	1.37634
3781974.75	1.18166

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: TKNO2 ***
INCLUDING SOURCE(S): L0009273, L0009274, L0009275, L0009276, L0009277, L0009278, L0009279,
L0009280, L0009281, L0009282, L0009283, L0009284, L0009285, L0009286, L0009287, L0009288, L0009289, L0009290, L0009291,
L0009292, L0009293, L0009294, L0009295, L0009296, L0009297, L0009298, L0009299, L0009300, L0009301, L0009302, . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM-10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
466985.38	3783463.00	29.80008	466738.53	3783613.25	13.67608
467235.09	3783360.75	12.88205	467411.00	3783284.25	7.28247
467501.81	3783062.75	3.86993	467564.22	3782963.50	3.17896
467496.12	3782861.50	3.06200	467504.66	3782799.00	2.86478
467362.41	3784233.25	0.55406	467217.50	3784306.25	0.22319
466642.03	3783205.25	152.42543	466659.44	3783231.50	140.99535
466673.38	3782951.00	23.42212	466715.19	3782914.25	16.93676
466757.03	3782867.25	12.66220	467011.44	3782724.50	5.37171
467100.31	3782740.00	4.95394	467142.12	3782686.00	4.21230
467208.38	3782607.75	3.43553	466927.06	3783025.75	1.60898
467059.53	3783432.75	23.59307	467061.69	3783934.50	1.99692
466671.19	3783134.50	89.29046	466723.16	3783212.75	70.58588
466671.19	3783138.50	89.91794	466611.81	3783082.00	90.61969
466846.41	3782792.50	8.35224	466870.19	3782777.75	7.79260
466942.94	3782758.25	6.66142	467058.78	3782777.75	6.12991
467092.91	3782779.25	5.74090	467121.12	3782773.25	5.25364

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        467167.16    3782737.50        4.40439                    467345.38    3782825.25        3.64067
        466935.53    3783146.00       19.15863                    466784.06    3783140.00       38.29873
 *** AERMOD - VERSION 07026 ***    *** C:\AERMOD Projects\Palm Industrial\2011 Revisions\Operational\PIop20 ***        08/10/11
                                   *** DPM Emissions for HRA                                                  ***        17:10:23
**MODELOPTs:                                                                                                            PAGE  53
CONC                       DFAULT ELEV

                  *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   3 YEARS FOR SOURCE GROUP: TKSI     ***
                                   INCLUDING SOURCE(S):      L0008894, L0008895, L0008896, L0008897, L0008898, L0008899, L0008900,
        L0008901, L0008902, L0008903, L0008904, L0008905, L0008906, L0008907, L0008908, L0008909, L0008910, L0008911, L0008912,
        L0008913, L0008914, L0008915, L0008916, L0008917, L0008918, L0008919, L0008920, L0008921, L0008922, L0008923,  . . .  ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

                                        ** CONC OF PM-10    IN MICROGRAMS/M**3                          **

   Y-COORD  |                                                X-COORD (METERS)
   (METERS) |     466479.59    466625.12    466770.62    466916.16    467061.69    467207.19    467352.72    467498.22    467643.75
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3784522.25 |       0.13580      0.09776      0.06597      0.05411      0.05621      0.06727      0.07868      0.11155      0.13738
 3784326.50 |       0.22833      0.15271      0.10810      0.07357      0.07706      0.11147      0.17065      0.27671      0.28906
 3784130.50 |       0.36366      0.43150      0.33542      0.24001      0.21144      0.20118      0.40074      0.68075      0.63831
 3783934.50 |       1.06362      1.22815      1.24694      1.10636      0.83036      0.83795      1.01293      1.17926      1.25785
 3783738.50 |       5.19507      5.22367      5.28106      5.50913      5.82988      6.44834      5.69977      5.62062      5.04779
 3783542.50 |       3.05761      3.64229      7.43078      9.65796     10.34749     11.51009      7.75947      7.07023      7.68010
 3783346.50 |      24.78999     18.57930     19.36781     25.73137     21.60372     16.70675     12.62764      9.99851      8.09367
 3783150.50 |      48.88512     81.52637    138.69011     43.90097     24.86365     16.57292     11.60968      8.37801      6.28926
 3782954.50 |      34.13609     89.39828    102.64108      9.42599      9.82925     14.82551      9.26925      6.50757      4.95916
 3782758.75 |      29.98210     41.62038     43.05129     41.33543     14.19420      8.56243      5.99810      4.50463      3.53637
 3782562.75 |      22.15486     23.06388     20.17456     11.37550      7.60560      5.80760      4.50927      3.56946      2.89360
 3782366.75 |      15.16175     13.80838     10.20760      6.53158      5.01678      4.09124      3.43953      2.91023      2.46440
 3782170.75 |      10.45476      8.64978      6.11314      4.41293      3.60585      3.08049      2.64275      2.32637      2.06096
 3781974.75 |       7.42690      5.72344      4.13537      3.23827      2.75449      2.40348      2.12965      1.88268      1.70026
 *** AERMOD - VERSION 07026 ***    *** C:\AERMOD Projects\Palm Industrial\2011 Revisions\Operational\PIop20 ***        08/10/11
                                   *** DPM Emissions for HRA                                                  ***        17:10:23
**MODELOPTs:                                                                                                            PAGE  54
CONC                       DFAULT ELEV

                  *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   3 YEARS FOR SOURCE GROUP: TKSI     ***
                                   INCLUDING SOURCE(S):      L0008894, L0008895, L0008896, L0008897, L0008898, L0008899, L0008900,
        L0008901, L0008902, L0008903, L0008904, L0008905, L0008906, L0008907, L0008908, L0008909, L0008910, L0008911, L0008912,
        L0008913, L0008914, L0008915, L0008916, L0008917, L0008918, L0008919, L0008920, L0008921, L0008922, L0008923,  . . .  ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

                                        ** CONC OF PM-10    IN MICROGRAMS/M**3                          **

   Y-COORD  |                                                X-COORD (METERS)
   (METERS) |     467789.28
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3784522.25 |       0.16209
 3784326.50 |       0.36530
 3784130.50 |       0.94470
 3783934.50 |       1.53782
 3783738.50 |       4.67451
 3783542.50 |       6.48829
 3783346.50 |       6.50111
 3783150.50 |       4.90281
 3782954.50 |       3.84471
 3782758.75 |       2.87808
 3782562.75 |       2.40342
 3782366.75 |       2.10396
 3782170.75 |       1.82325
 3781974.75 |       1.54741
 *** AERMOD - VERSION 07026 ***    *** C:\AERMOD Projects\Palm Industrial\2011 Revisions\Operational\PIop20 ***        08/10/11
                                   *** DPM Emissions for HRA                                                  ***        17:10:23
**MODELOPTs:                                                                                                            PAGE  55
CONC                       DFAULT ELEV

                  *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   3 YEARS FOR SOURCE GROUP: TKSI     ***
                                   INCLUDING SOURCE(S):      L0008894, L0008895, L0008896, L0008897, L0008898, L0008899, L0008900,
        L0008901, L0008902, L0008903, L0008904, L0008905, L0008906, L0008907, L0008908, L0008909, L0008910, L0008911, L0008912,
        L0008913, L0008914, L0008915, L0008916, L0008917, L0008918, L0008919, L0008920, L0008921, L0008922, L0008923,  . . .  ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                        ** CONC OF PM-10    IN MICROGRAMS/M**3                          **

      X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)   Y-COORD (M)        CONC
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        466985.38    3783463.00       14.72073                    466738.53    3783613.25        7.31512
        467235.09    3783360.75       15.21891                    467411.00    3783284.25       11.27184
        467501.81    3783062.75        7.59402                    467564.22    3782963.50        5.79918
        467496.12    3782861.50        5.42861                    467504.66    3782799.00        4.75492
        467362.41    3784233.25        0.28183                    467217.50    3784306.25        0.12499
        466642.03    3783205.25       56.66132                    466659.44    3783231.50       40.49414
        466673.38    3782951.00      102.18069                    466715.19    3782914.25       83.47126
        466757.03    3782867.25       69.50393                    467011.44    3782724.50       14.49951
        467100.31    3782740.00       11.19745                    467142.12    3782686.00        8.58459
        467208.38    3782607.75        6.30428                    466927.06    3783025.75        7.82375
        467059.53    3783432.75       16.99102                    467061.69    3783934.50        0.87088
        466671.19    3783134.50      130.75244                    466723.16    3783212.75       46.26696
        466671.19    3783138.50      123.72992                    466611.81    3783082.00      119.94443
        466846.41    3782792.50       56.22495                    466870.19    3782777.75       53.43197
        466942.94    3782758.25       26.40070                    467058.78    3782777.75       17.28929
        467092.91    3782779.25       14.33697                    467121.12    3782773.25       12.05206
        467167.16    3782737.50        9.06103                    467345.38    3782825.25        7.03072
        466935.53    3783146.00       40.25543                    466784.06    3783140.00      119.72910
 *** AERMOD - VERSION 07026 ***    *** C:\AERMOD Projects\Palm Industrial\2011 Revisions\Operational\PIop20 ***        08/10/11
                                   *** DPM Emissions for HRA                                                  ***        17:10:23
**MODELOPTs:                                                                                                            PAGE  56
CONC                       DFAULT ELEV

                  *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   3 YEARS FOR SOURCE GROUP: TKSI2    ***
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                                   INCLUDING SOURCE(S):      L0009348, L0009349, L0009350, L0009351, L0009352, L0009353, L0009354,
          L0009355, L0009356, L0009357, L0009358, L0009359, L0009360, L0009361, L0009362, L0009363, L0009364, L0009365, L0009366,
          L0009367, L0009368, L0009369, L0009370, L0009371, L0009372, L0009373, L0009374, L0009375, L0009376, L0009377,  . . .  ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

                                       ** CONC OF PM-10    IN MICROGRAMS/M**3                          **

   Y-COORD  |                                                 X-COORD (METERS)
   (METERS) |     466479.59    466625.12    466770.62    466916.16    467061.69    467207.19    467352.72    467498.22    467643.75
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3784522.25 |       0.15399      0.11490      0.07522      0.06865      0.08521      0.10183      0.12973      0.19606      0.22141
 3784326.50 |       0.27325      0.18528      0.12485      0.10454      0.12743      0.19111      0.33687      0.48637      0.49954
 3784130.50 |       0.46529      0.54607      0.39093      0.36808      0.35802      0.45275      0.79713      1.24152      1.04613
 3783934.50 |       1.55581      1.70990      1.67838      1.84466      1.92157      1.97313      2.06289      2.03051      1.85865
 3783738.50 |       8.66682      8.15011      8.36609     10.57788     12.39560     11.47329      8.89670      7.21754      5.53164
 3783542.50 |      12.06699     13.52801     22.81936     28.96261     21.27434     15.47447      8.51577      6.57364      6.50970
 3783346.50 |      46.39667    101.31020     67.51688     33.57402     20.71408     13.63182      9.43576      7.07828      5.59951
 3783150.50 |      95.49113    125.33070     46.49639     22.29190     12.93829      8.28637      5.91626      4.51301      3.61260
 3782954.50 |      60.94931     34.49207     17.32763      1.48569      2.36675      5.67030      4.28407      3.43969      2.88693
 3782758.75 |      27.95604     13.88038      8.91656      7.03264      5.76096      4.23958      3.40340      2.80572      2.34726
 3782562.75 |      13.98743      7.89216      5.72674      4.61843      3.83829      3.26435      2.77346      2.38716      2.06403
 3782366.75 |       8.13413      5.18890      4.04077      3.40914      2.93352      2.57302      2.25693      1.98679      1.76065
 3782170.75 |       5.33903      3.72398      3.06245      2.63438      2.31740      2.06994      1.84503      1.66543      1.51161
 3781974.75 |       3.88669      2.82120      2.38552      2.11567      1.88727      1.70631      1.54440      1.40333      1.28871
  *** AERMOD - VERSION 07026 ***    *** C:\AERMOD Projects\Palm Industrial\2011 Revisions\Operational\PIop20 ***        08/10/11
                                   *** DPM Emissions for HRA                                                  ***        17:10:23
**MODELOPTs:                                                                                                            PAGE  57
CONC                       DFAULT ELEV

                  *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   3 YEARS FOR SOURCE GROUP: TKSI2    ***
                                   INCLUDING SOURCE(S):      L0009348, L0009349, L0009350, L0009351, L0009352, L0009353, L0009354,
          L0009355, L0009356, L0009357, L0009358, L0009359, L0009360, L0009361, L0009362, L0009363, L0009364, L0009365, L0009366,
          L0009367, L0009368, L0009369, L0009370, L0009371, L0009372, L0009373, L0009374, L0009375, L0009376, L0009377,  . . .  ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

                                       ** CONC OF PM-10    IN MICROGRAMS/M**3                          **

   Y-COORD  |                                                 X-COORD (METERS)
   (METERS) |     467789.28
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3784522.25 |       0.26013
 3784326.50 |       0.57747
 3784130.50 |       1.37623
 3783934.50 |       1.96030
 3783738.50 |       4.61936
 3783542.50 |       5.42598
 3783346.50 |       4.51229
 3783150.50 |       2.98804
 3782954.50 |       2.38102
 3782758.75 |       2.00003
 3782562.75 |       1.79689
 3782366.75 |       1.56771
 3782170.75 |       1.38183
 3781974.75 |       1.18766
  *** AERMOD - VERSION 07026 ***    *** C:\AERMOD Projects\Palm Industrial\2011 Revisions\Operational\PIop20 ***        08/10/11
                                   *** DPM Emissions for HRA                                                  ***        17:10:23
**MODELOPTs:                                                                                                            PAGE  58
CONC                       DFAULT ELEV

                  *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   3 YEARS FOR SOURCE GROUP: TKSI2    ***
                                   INCLUDING SOURCE(S):      L0009348, L0009349, L0009350, L0009351, L0009352, L0009353, L0009354,
          L0009355, L0009356, L0009357, L0009358, L0009359, L0009360, L0009361, L0009362, L0009363, L0009364, L0009365, L0009366,
          L0009367, L0009368, L0009369, L0009370, L0009371, L0009372, L0009373, L0009374, L0009375, L0009376, L0009377,  . . .  ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                       ** CONC OF PM-10    IN MICROGRAMS/M**3                          **

      X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)   Y-COORD (M)        CONC
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        466985.38    3783463.00       28.40923                     466738.53    3783613.25       13.71995
        467235.09    3783360.75       12.77872                     467411.00    3783284.25        7.31767
        467501.81    3783062.75        3.91593                     467564.22    3782963.50        3.20033
        467496.12    3782861.50        3.07029                     467504.66    3782799.00        2.86858
        467362.41    3784233.25        0.55155                     467217.50    3784306.25        0.22415
        466642.03    3783205.25      130.37358                     466659.44    3783231.50      119.35562
        466673.38    3782951.00       24.50630                     466715.19    3782914.25       17.52541
        466757.03    3782867.25       12.99722                     467011.44    3782724.50        5.44190
        467100.31    3782740.00        4.99295                     467142.12    3782686.00        4.24933
        467208.38    3782607.75        3.46662                     466927.06    3783025.75        1.73573
        467059.53    3783432.75       22.80461                     467061.69    3783934.50        2.00353
        466671.19    3783134.50       86.96378                     466723.16    3783212.75       64.48022
        466671.19    3783138.50       86.56089                     466611.81    3783082.00      151.79291
        466846.41    3782792.50        8.50208                     466870.19    3782777.75        7.91819
        466942.94    3782758.25        6.75013                     467058.78    3782777.75        6.27642
        467092.91    3782779.25        5.79621                     467121.12    3782773.25        5.28501
        467167.16    3782737.50        4.43265                     467345.38    3782825.25        3.65117
        466935.53    3783146.00       20.38164                     466784.06    3783140.00       41.80887
  *** AERMOD - VERSION 07026 ***    *** C:\AERMOD Projects\Palm Industrial\2011 Revisions\Operational\PIop20 ***        08/10/11
                                   *** DPM Emissions for HRA                                                  ***        17:10:23
**MODELOPTs:                                                                                                            PAGE  59
CONC                       DFAULT ELEV

                  *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   3 YEARS FOR SOURCE GROUP: TKSIDL   ***
                                   INCLUDING SOURCE(S):      L0009215, L0009216, L0009217, L0009218, L0009219, L0009220, L0009221,
          L0009222, L0009223, L0009224, L0009225, L0009226, L0009227, L0009228, L0009229, L0009230, L0009231, L0009232, L0009233,
          L0009234, L0009235, L0009236, L0009237, L0009238, L0009239, L0009240, L0009241, L0009242, L0009243, L0009244,  . . .  ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

                                       ** CONC OF PM-10    IN MICROGRAMS/M**3                          **
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```
   Y-COORD  |                                                   X-COORD (METERS)
   (METERS) |     466479.59    466625.12    466770.62    466916.16    467061.69    467207.19    467352.72    467498.22    467643.75
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3784522.25 |       0.14898      0.10461      0.06614      0.05398      0.05045      0.05430      0.06537      0.09043      0.10237
 3784326.50 |       0.25051      0.16823      0.11134      0.07375      0.06445      0.08932      0.14351      0.20212      0.22496
 3784130.50 |       0.42520      0.50865      0.39682      0.29494      0.17873      0.16332      0.29201      0.52842      0.52773
 3783934.50 |       1.24021      1.34553      1.34424      1.24669      0.84019      0.69730      0.74322      0.92503      1.07419
 3783738.50 |       4.08517      4.07748      4.16300      4.16474      3.91902      4.36264      4.38785      4.71037      4.43205
 3783542.50 |       3.15262      3.54505      5.96134      5.93972      5.67585      7.03589      6.03888      6.54529      7.47867
 3783346.50 |      11.80820      9.48201      9.61052     10.31400     10.75885     11.93291     11.50977     10.32768      8.87924
 3783150.50 |      33.28209     27.08426     20.12678     23.82687     24.85324     20.93159     15.61985     11.27905      8.29741
 3782954.50 |      21.31325     48.93419    229.67033     24.96795     28.33759     25.65781     14.65980      9.56869      6.87060
 3782758.75 |      21.73202     44.14055     79.87144     79.41315     22.54312     12.59354      8.29716      5.99075      4.57559
 3782562.75 |      20.23911     32.42649     36.37719     18.84197     11.14791      8.09185      5.98199      4.52037      3.53009
 3782366.75 |      16.92697     20.95726     17.00487      9.56052      6.82116      5.36676      4.40121      3.63289      3.00167
 3782170.75 |      13.13379     13.11300      9.29652      5.98336      4.66837      3.87940      3.26645      2.83085      2.46687
 3781974.75 |       9.75368      8.39720      5.85287      4.16751      3.44001      2.93528      2.56632      2.23955      2.00103
  *** AERMOD - VERSION 07026 ***    *** C:\AERMOD Projects\Palm Industrial\2011 Revisions\Operational\PIop20 ***        08/10/11
                                   *** DPM Emissions for HRA                                                  ***        17:10:23
**MODELOPTs:                                                                                                            PAGE  60
CONC                       DFAULT ELEV

                  *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   3 YEARS FOR SOURCE GROUP: TKSIDL   ***
                                 INCLUDING SOURCE(S):      L0009215, L0009216, L0009217, L0009218, L0009219, L0009220, L0009221,
        L0009222, L0009223, L0009224, L0009225, L0009226, L0009227, L0009228, L0009229, L0009230, L0009231, L0009232, L0009233,
        L0009234, L0009235, L0009236, L0009237, L0009238, L0009239, L0009240, L0009241, L0009242, L0009243, L0009244,  . . .  ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

                                       ** CONC OF PM-10    IN MICROGRAMS/M**3                          **

   Y-COORD  |                                                   X-COORD (METERS)
   (METERS) |     467789.28
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3784522.25 |       0.13085
 3784326.50 |       0.30384
 3784130.50 |       0.83636
 3783934.50 |       1.43251
 3783738.50 |       4.51208
 3783542.50 |       6.43296
 3783346.50 |       7.32445
 3783150.50 |       6.31476
 3782954.50 |       5.13144
 3782758.75 |       3.64206
 3782562.75 |       2.85891
 3782366.75 |       2.50277
 3782170.75 |       2.14718
 3781974.75 |       1.80360
  *** AERMOD - VERSION 07026 ***    *** C:\AERMOD Projects\Palm Industrial\2011 Revisions\Operational\PIop20 ***        08/10/11
                                   *** DPM Emissions for HRA                                                  ***        17:10:23
**MODELOPTs:                                                                                                            PAGE  61
CONC                       DFAULT ELEV

                  *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   3 YEARS FOR SOURCE GROUP: TKSIDL   ***
                                 INCLUDING SOURCE(S):      L0009215, L0009216, L0009217, L0009218, L0009219, L0009220, L0009221,
        L0009222, L0009223, L0009224, L0009225, L0009226, L0009227, L0009228, L0009229, L0009230, L0009231, L0009232, L0009233,
        L0009234, L0009235, L0009236, L0009237, L0009238, L0009239, L0009240, L0009241, L0009242, L0009243, L0009244,  . . .  ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                       ** CONC OF PM-10    IN MICROGRAMS/M**3                          **

      X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)   Y-COORD (M)        CONC
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        466985.38    3783463.00       7.49522                     466738.53    3783613.25       5.24403
        467235.09    3783360.75      11.23641                     467411.00    3783284.25      12.16161
        467501.81    3783062.75      10.91378                     467564.22    3782963.50       8.29150
        467496.12    3782861.50       7.74024                     467504.66    3782799.00       6.48703
        467362.41    3784233.25       0.22103                     467217.50    3784306.25       0.10195
        466642.03    3783205.25      16.55364                     466659.44    3783231.50      13.31728
        466673.38    3782951.00      72.98667                     466715.19    3782914.25     108.71847
        466757.03    3782867.25     119.53232                     467011.44    3782724.50      24.24426
        467100.31    3782740.00      17.50429                     467142.12    3782686.00      12.85758
        467208.38    3782607.75       8.90813                     466927.06    3783025.75      16.92232
        467059.53    3783432.75       8.42888                     467061.69    3783934.50       0.88210
        466671.19    3783134.50      26.09176                     466723.16    3783212.75      13.94805
        466671.19    3783138.50      25.19774                     466611.81    3783082.00      49.45315
        466846.41    3782792.50     109.24490                     466870.19    3782777.75     103.94527
        466942.94    3782758.25      50.76344                     467058.78    3782777.75      26.31571
        467092.91    3782779.25      21.92306                     467121.12    3782773.25      18.52640
        467167.16    3782737.50      13.49383                     467345.38    3782825.25      10.31371
        466935.53    3783146.00      25.27892                     466784.06    3783140.00      21.64588
  *** AERMOD - VERSION 07026 ***    *** C:\AERMOD Projects\Palm Industrial\2011 Revisions\Operational\PIop20 ***        08/10/11
                                   *** DPM Emissions for HRA                                                  ***        17:10:23
**MODELOPTs:                                                                                                            PAGE  62
CONC                       DFAULT ELEV

                  *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   3 YEARS FOR SOURCE GROUP: TKSO     ***
                                 INCLUDING SOURCE(S):      L0008956, L0008957, L0008958, L0008959, L0008960, L0008961, L0008962,
        L0008963, L0008964, L0008965, L0008966, L0008967, L0008968, L0008969, L0008970, L0008971, L0008972, L0008973, L0008974,
        L0008975, L0008976, L0008977, L0008978, L0008979, L0008980, L0008981, L0008982, L0008983, L0008984, L0008985,  . . .  ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

                                       ** CONC OF PM-10    IN MICROGRAMS/M**3                          **

   Y-COORD  |                                                   X-COORD (METERS)
   (METERS) |     466479.59    466625.12    466770.62    466916.16    467061.69    467207.19    467352.72    467498.22    467643.75
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3784522.25 |       0.14428      0.10266      0.06815      0.05568      0.05760      0.06858      0.08068      0.11520      0.14106
 3784326.50 |       0.24389      0.16236      0.11301      0.07640      0.07918      0.11510      0.17813      0.28675      0.30059
 3784130.50 |       0.39647      0.47087      0.36601      0.26251      0.22011      0.21078      0.41794      0.71792      0.67349
 3783934.50 |       1.16966      1.33141      1.34460      1.20933      0.91180      0.90016      1.07442      1.24683      1.32874
```

3783738.50	5.33339	5.35634	5.41704	5.69699	5.92578	6.66201	6.11002	5.92510	5.25186
3783542.50	3.39804	3.96244	7.75716	9.95877	10.61741	11.78897	8.12663	7.40108	7.83887
3783346.50	26.02713	19.70755	20.45832	26.88054	22.09264	16.82327	12.61287	9.93388	8.01923
3783150.50	48.47368	88.56333	99.40012	44.24411	24.83576	16.58883	11.60071	8.34944	6.25104
3782954.50	33.76594	79.82005	100.44540	10.49416	11.99550	14.70290	9.17458	6.42690	4.88144
3782758.75	29.19175	40.07203	40.81812	37.92085	13.65798	8.42851	5.93103	4.46300	3.50714
3782562.75	21.47170	22.38292	19.46437	11.24739	7.48818	5.73940	4.48100	3.55607	2.88471
3782366.75	14.77289	13.48066	10.02713	6.45982	4.95322	4.04653	3.40423	2.88928	2.45253
3782170.75	10.23214	8.50018	6.04743	4.36916	3.56857	3.05000	2.62083	2.30570	2.04683
3781974.75	7.28202	5.65394	4.10286	3.20913	2.73026	2.38248	2.11332	1.87013	1.68687

CONC DFAULT ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: TKSO ***
INCLUDING SOURCE(S): L0008956, L0008957, L0008958, L0008959, L0008960, L0008961, L0008962,
L0008963, L0008964, L0008965, L0008966, L0008967, L0008968, L0008969, L0008970, L0008971, L0008972, L0008973, L0008974,
L0008975, L0008976, L0008977, L0008978, L0008979, L0008980, L0008981, L0008982, L0008983, L0008984, L0008985, . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM-10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 467789.28
3784522.25	0.16718
3784326.50	0.38130
3784130.50	0.99631
3783934.50	1.63050
3783738.50	4.85349
3783542.50	6.47761
3783346.50	6.43049
3783150.50	4.86348
3782954.50	3.79640
3782758.75	2.85502
3782562.75	2.39522
3782366.75	2.09734
3782170.75	1.81315
3781974.75	1.53806

CONC DFAULT ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: TKSO ***
INCLUDING SOURCE(S): L0008956, L0008957, L0008958, L0008959, L0008960, L0008961, L0008962,
L0008963, L0008964, L0008965, L0008966, L0008967, L0008968, L0008969, L0008970, L0008971, L0008972, L0008973, L0008974,
L0008975, L0008976, L0008977, L0008978, L0008979, L0008980, L0008981, L0008982, L0008983, L0008984, L0008985, . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM-10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
466985.38	3783463.00	15.24289	466738.53	3783613.25	7.40732
467235.09	3783360.75	15.31916	467411.00	3783284.25	11.21044
467501.81	3783062.75	7.53822	467564.22	3782963.50	5.71880
467496.12	3782861.50	5.36723	467504.66	3782799.00	4.70614
467362.41	3784233.25	0.29457	467217.50	3784306.25	0.12961
466642.03	3783205.25	61.07020	466659.44	3783231.50	45.64686
466673.38	3782951.00	95.96418	466715.19	3782914.25	78.40821
466757.03	3782867.25	64.12232	467011.44	3782724.50	14.19479
467100.31	3782740.00	11.00307	467142.12	3782686.00	8.49633
467208.38	3782607.75	6.24057	466927.06	3783025.75	8.66542
467059.53	3783432.75	17.47715	467061.69	3783934.50	0.95601
466671.19	3783134.50	139.97823	466723.16	3783212.75	58.19503
466671.19	3783138.50	141.04741	466611.81	3783082.00	119.51968
466846.41	3782792.50	51.41252	466870.19	3782777.75	48.57315
466942.94	3782758.25	25.86501	467058.78	3782777.75	15.98764
467092.91	3782779.25	13.51799	467121.12	3782773.25	11.65454
467167.16	3782737.50	8.93023	467345.38	3782825.25	6.94038
466935.53	3783146.00	40.39520	466784.06	3783140.00	127.02771

CONC DFAULT ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: TKSO2 ***
INCLUDING SOURCE(S): L0009311, L0009312, L0009313, L0009314, L0009315, L0009316, L0009317,
L0009318, L0009319, L0009320, L0009321, L0009322, L0009323, L0009324, L0009325, L0009326, L0009327, L0009328, L0009329,
L0009330, L0009331, L0009332, L0009333, L0009334, L0009335, L0009336, L0009337, L0009338, L0009339, L0009340, . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM-10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 466479.59	466625.12	466770.62	466916.16	467061.69	467207.19	467352.72	467498.22	467643.75
3784522.25	0.15405	0.11543	0.07621	0.06910	0.08564	0.10265	0.13061	0.19854	0.22373
3784326.50	0.27364	0.18636	0.12673	0.10502	0.12883	0.19197	0.34169	0.49121	0.50712
3784130.50	0.46909	0.55083	0.39699	0.36674	0.35824	0.46028	0.80732	1.26421	1.06337
3783934.50	1.58805	1.73005	1.70299	1.86334	1.93656	2.00338	2.11079	2.07526	1.89843
3783738.50	8.91682	8.28931	8.49228	10.73329	12.84010	11.83435	9.16612	7.36604	5.57715
3783542.50	12.68020	13.90092	22.92704	30.66542	22.47584	15.99977	8.60398	6.58093	6.52594
3783346.50	47.37695	99.03635	75.17416	35.07763	21.05789	13.55833	9.42236	7.04455	5.54116
3783150.50	85.04455	138.99089	41.61017	20.68486	12.44311	8.06408	5.78218	4.42638	3.55421
3782954.50	58.02486	31.33117	15.76456	1.43406	2.30696	5.62222	4.24338	3.40813	2.86316
3782758.75	26.43870	13.38908	8.64502	6.88847	5.67989	4.20094	3.38734	2.80054	2.34442
3782562.75	13.50708	7.72298	5.59355	4.52446	3.76885	3.21646	2.74268	2.37098	2.05776
3782366.75	7.96611	5.10798	3.96207	3.35165	2.89123	2.54128	2.22989	1.96644	1.74730

3782170.75	5.26785	3.67859	3.01499	2.59760	2.28660	2.04773	1.82637	1.64789	1.49859
3781974.75	3.85543	2.79216	2.35204	2.08995	1.86646	1.68793	1.53045	1.39143	1.27640

CONC DFAULT ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: TKSO2 ***
INCLUDING SOURCE(S): L0009311, L0009312, L0009313, L0009314, L0009315, L0009316, L0009317,
L0009318, L0009319, L0009320, L0009321, L0009322, L0009323, L0009324, L0009325, L0009326, L0009327, L0009328, L0009329,
L0009330, L0009331, L0009332, L0009333, L0009334, L0009335, L0009336, L0009337, L0009338, L0009339, L0009340, . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM-10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 467789.28
3784522.25	0.26368
3784326.50	0.58650
3784130.50	1.39775
3783934.50	1.98973
3783738.50	4.63799
3783542.50	5.44469
3783346.50	4.46362
3783150.50	2.94724
3782954.50	2.35925
3782758.75	1.99789
3782562.75	1.79707
3782366.75	1.55964
3782170.75	1.37292
3781974.75	1.17800

CONC DFAULT ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: TKSO2 ***
INCLUDING SOURCE(S): L0009311, L0009312, L0009313, L0009314, L0009315, L0009316, L0009317,
L0009318, L0009319, L0009320, L0009321, L0009322, L0009323, L0009324, L0009325, L0009326, L0009327, L0009328, L0009329,
L0009330, L0009331, L0009332, L0009333, L0009334, L0009335, L0009336, L0009337, L0009338, L0009339, L0009340, . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM-10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
466985.38	3783463.00	30.21929	466738.53	3783613.25	13.72240
467235.09	3783360.75	12.82069	467411.00	3783284.25	7.24722
467501.81	3783062.75	3.84816	467564.22	3782963.50	3.17046
467496.12	3782861.50	3.05763	467504.66	3782799.00	2.86155
467362.41	3784233.25	0.55803	467217.50	3784306.25	0.22490
466642.03	3783205.25	154.77336	466659.44	3783231.50	144.53728
466673.38	3782951.00	23.14652	466715.19	3782914.25	16.74772
466757.03	3782867.25	12.53879	467011.44	3782724.50	5.33637
467100.31	3782740.00	4.93109	467142.12	3782686.00	4.19118
467208.38	3782607.75	3.41794	466927.06	3783025.75	1.58335
467059.53	3783432.75	23.75176	467061.69	3783934.50	2.01929
466671.19	3783134.50	85.53751	466723.16	3783212.75	69.92932
466671.19	3783138.50	86.21206	466611.81	3783082.00	83.44379
466846.41	3782792.50	8.28940	466870.19	3782777.75	7.73598
466942.94	3782758.25	6.61948	467058.78	3782777.75	6.14300
467092.91	3782779.25	5.71790	467121.12	3782773.25	5.23626
467167.16	3782737.50	4.38607	467345.38	3782825.25	3.63333
466935.53	3783146.00	18.95344	466784.06	3783140.00	37.00639

CONC DFAULT ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0008894, L0008895, L0008896, L0008897, L0008898, L0008899, L0008900,
L0008901, L0008902, L0008903, L0008904, L0008905, L0008906, L0008907, L0008908, L0008909, L0008910, L0008911, L0008912,
L0008913, L0008914, L0008915, L0008916, L0008917, L0008918, L0008919, L0008920, L0008921, L0008922, L0008923, . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM-10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 466479.59	466625.12	466770.62	466916.16	467061.69	467207.19	467352.72	467498.22	467643.75
3784522.25	1.90908	1.30144	0.85010	0.72957	0.81058	0.93909	1.12715	1.65713	1.94491
3784326.50	3.42059	2.12069	1.42620	1.04568	1.14971	1.64344	2.69626	4.10410	4.25404
3784130.50	5.83416	6.48458	4.86924	3.87558	3.24789	3.41962	6.34211	10.48714	9.38843
3783934.50	17.66667	19.06108	18.78154	18.37831	15.54423	15.20182	16.50657	17.75551	17.99776
3783738.50	79.49005	75.87659	76.64463	87.39919	97.16926	98.28873	83.26578	76.43301	65.40287
3783542.50	87.97690	94.35904	152.35300	197.18877	170.12712	154.65082	101.08688	89.40662	92.73237
3783346.50	393.80197	573.19043	453.80240	345.33069	258.88037	196.65962	149.20006	118.03302	94.80972
3783150.50	683.77618	1159.11047	1053.47156	582.06195	320.96390	210.53645	146.14342	102.21344	74.13183
3782954.50	472.69223	671.08478	716.95508	116.58189	356.96021	242.16084	115.91748	75.01692	55.63478
3782758.75	311.27603	308.65253	303.27609	300.50909	185.00896	99.24752	69.26255	51.58212	40.17322
3782562.75	202.37154	183.04103	166.90247	125.56440	89.70774	63.50202	49.92648	40.53844	33.43346
3782366.75	135.74298	119.13376	99.62274	75.94135	56.72601	44.79741	37.61109	32.08450	27.62934
3782170.75	95.73136	81.43389	65.92696	51.19882	40.32786	33.81965	29.17866	25.72228	22.85661
3781974.75	70.91163	57.99207	46.51900	37.32509	30.75502	26.57852	23.55588	20.98371	18.97792

CONC DFAULT ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***

```
                                INCLUDING SOURCE(S):      L0008894, L0008895, L0008896, L0008897, L0008898, L0008899, L0008900,
        L0008901, L0008902, L0008903, L0008904, L0008905, L0008906, L0008907, L0008908, L0008909, L0008910, L0008911, L0008912,
        L0008913, L0008914, L0008915, L0008916, L0008917, L0008918, L0008919, L0008920, L0008921, L0008922, L0008923,  . . .  ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

                                      ** CONC OF PM-10    IN MICROGRAMS/M**3                          **

   Y-COORD  |                                                X-COORD (METERS)
   (METERS) |     467789.28
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3784522.25 |       2.29841
 3784326.50 |       5.23861
 3784130.50 |      13.42148
 3783934.50 |      21.28510
 3783738.50 |      59.20122
 3783542.50 |      77.20435
 3783346.50 |      75.46127
 3783150.50 |      56.49768
 3782954.50 |      42.85642
 3782758.75 |      32.58358
 3782562.75 |      27.94407
 3782366.75 |      23.93750
 3782170.75 |      20.46731
 3781974.75 |      17.26523
  *** AERMOD - VERSION 07026 ***    *** C:\AERMOD Projects\Palm Industrial\2011 Revisions\Operational\PIop20 ***        08/10/11
                                  *** DPM Emissions for HRA                                                  ***        17:10:23
**MODELOPTs:                                                                                                            PAGE  70
CONC                        DFAULT ELEV

                  *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   3 YEARS FOR SOURCE GROUP: ALL      ***
                                INCLUDING SOURCE(S):      L0008894, L0008895, L0008896, L0008897, L0008898, L0008899, L0008900,
        L0008901, L0008902, L0008903, L0008904, L0008905, L0008906, L0008907, L0008908, L0008909, L0008910, L0008911, L0008912,
        L0008913, L0008914, L0008915, L0008916, L0008917, L0008918, L0008919, L0008920, L0008921, L0008922, L0008923,  . . .  ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                      ** CONC OF PM-10    IN MICROGRAMS/M**3                          **

      X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)   Y-COORD (M)        CONC
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        466985.38    3783463.00      235.13409                     466738.53    3783613.25      114.13174
        467235.09    3783360.75      180.79846                     467411.00    3783284.25      134.21806
        467501.81    3783062.75       91.64550                     467564.22    3782963.50       66.01575
        467496.12    3782861.50       60.96991                     467504.66    3782799.00       53.85489
        467362.41    3784233.25        4.44709                     467217.50    3784306.25        1.88125
        466642.03    3783205.25     1037.06506                     466659.44    3783231.50      885.86816
        466673.38    3782951.00      658.51123                     466715.19    3782914.25      520.04279
        466757.03    3782867.25      443.92615                     467011.44    3782724.50      174.93896
        467100.31    3782740.00      146.83662                     467142.12    3782686.00      100.79635
        467208.38    3782607.75       69.49422                     466927.06    3783025.75      133.96532
        467059.53    3783432.75      228.69972                     467061.69    3783934.50       16.23770
        466671.19    3783134.50     1416.57031                     466723.16    3783212.75      733.69171
        466671.19    3783138.50     1373.12415                     466611.81    3783082.00     1317.00391
        466846.41    3782792.50      369.09085                     466870.19    3782777.75      353.81522
        466942.94    3782758.25      245.25824                     467058.78    3782777.75      212.35156
        467092.91    3782779.25      190.07538                     467121.12    3782773.25      159.13629
        467167.16    3782737.50      107.27622                     467345.38    3782825.25       80.42444
        466935.53    3783146.00      542.45251                     466784.06    3783140.00     1069.88086
  *** AERMOD - VERSION 07026 ***    *** C:\AERMOD Projects\Palm Industrial\2011 Revisions\Operational\PIop20 ***        08/10/11
                                  *** DPM Emissions for HRA                                                  ***        17:10:23
**MODELOPTs:                                                                                                            PAGE  71
CONC                        DFAULT ELEV

                                       *** THE SUMMARY OF MAXIMUM ANNUAL (   3 YRS) RESULTS ***

                                      ** CONC OF PM-10    IN MICROGRAMS/M**3                          **

                                                                                                   NETWORK
GROUP ID                      AVERAGE CONC                RECEPTOR  (XR, YR, ZELEV, ZHILL, ZFLAG)   OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

INQUE     1ST HIGHEST VALUE IS     239.94218 AT (  466671.19,  3783134.50,    509.81,    509.81,      0.00)  DC
          2ND HIGHEST VALUE IS     222.68634 AT (  466671.19,  3783138.50,    509.68,    509.68,      0.00)  DC
          3RD HIGHEST VALUE IS     217.80705 AT (  466611.81,  3783082.00,    509.43,    509.43,      0.00)  DC
          4TH HIGHEST VALUE IS     146.32156 AT (  466770.62,  3783150.50,    509.00,    534.00,      0.00)  GC   UCART1
          5TH HIGHEST VALUE IS     130.54764 AT (  466625.12,  3782954.50,    503.00,    534.00,      0.00)  GC   UCART1
          6TH HIGHEST VALUE IS     125.15691 AT (  466625.12,  3783150.50,    510.00,    510.00,      0.00)  GC   UCART1
          7TH HIGHEST VALUE IS     122.70864 AT (  466784.06,  3783140.00,    509.58,    534.00,      0.00)  DC
          8TH HIGHEST VALUE IS     107.34277 AT (  466673.38,  3782951.00,    503.71,    534.00,      0.00)  DC
          9TH HIGHEST VALUE IS      80.21645 AT (  466642.03,  3783205.25,    507.31,    507.31,      0.00)  DC
         10TH HIGHEST VALUE IS      69.68272 AT (  466723.16,  3783212.75,    504.47,    534.00,      0.00)  DC

OUTQUE    1ST HIGHEST VALUE IS     257.95435 AT (  466671.19,  3783134.50,    509.81,    509.81,      0.00)  DC
          2ND HIGHEST VALUE IS     241.96544 AT (  466671.19,  3783138.50,    509.68,    509.68,      0.00)  DC
          3RD HIGHEST VALUE IS     219.96382 AT (  466784.06,  3783140.00,    509.58,    534.00,      0.00)  DC
          4TH HIGHEST VALUE IS     172.36024 AT (  466770.62,  3783150.50,    509.00,    534.00,      0.00)  GC   UCART1
          5TH HIGHEST VALUE IS     160.40002 AT (  466611.81,  3783082.00,    509.43,    509.43,      0.00)  DC
          6TH HIGHEST VALUE IS     145.34549 AT (  466625.12,  3783150.50,    510.00,    510.00,      0.00)  GC   UCART1
          7TH HIGHEST VALUE IS     107.64050 AT (  466642.03,  3783205.25,    507.31,    507.31,      0.00)  DC
          8TH HIGHEST VALUE IS     101.39237 AT (  466723.16,  3783212.75,    504.47,    534.00,      0.00)  DC
          9TH HIGHEST VALUE IS      88.35104 AT (  466625.12,  3782954.50,    503.00,    534.00,      0.00)  GC   UCART1
         10TH HIGHEST VALUE IS      83.56973 AT (  466673.38,  3782951.00,    503.71,    534.00,      0.00)  DC

TKNI      1ST HIGHEST VALUE IS     142.69374 AT (  466770.62,  3783150.50,    509.00,    534.00,      0.00)  GC   UCART1
          2ND HIGHEST VALUE IS     140.29793 AT (  466784.06,  3783140.00,    509.58,    534.00,      0.00)  DC
          3RD HIGHEST VALUE IS     121.21253 AT (  466671.19,  3783134.50,    509.81,    509.81,      0.00)  DC
          4TH HIGHEST VALUE IS     115.70696 AT (  466671.19,  3783138.50,    509.68,    509.68,      0.00)  DC
          5TH HIGHEST VALUE IS     102.38599 AT (  466916.16,  3783150.50,    507.00,    534.00,      0.00)  GC   UCART1
          6TH HIGHEST VALUE IS      97.06882 AT (  466935.53,  3783146.00,    506.98,    534.00,      0.00)  DC
          7TH HIGHEST VALUE IS      81.30177 AT (  466611.81,  3783082.00,    509.43,    509.43,      0.00)  DC
          8TH HIGHEST VALUE IS      68.28982 AT (  467061.69,  3782954.50,    523.00,    533.00,      0.00)  GC   UCART1
          9TH HIGHEST VALUE IS      68.18407 AT (  466625.12,  3783150.50,    510.00,    510.00,      0.00)  GC   UCART1
         10TH HIGHEST VALUE IS      64.33053 AT (  466723.16,  3783212.75,    504.47,    534.00,      0.00)  DC
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*** AERMOD - VERSION 07026 *** *** C:\AERMOD Projects\Palm Industrial\2011 Revisions\Operational\PIop20 *** 08/10/11
*** DPM Emissions for HRA *** 17:10:23
**MODELOPTs: PAGE 72
CONC DFAULT ELEV

*** THE SUMMARY OF MAXIMUM ANNUAL (3 YRS) RESULTS ***

** CONC OF PM-10 IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR,	YR,	ZELEV,	ZHILL,	ZFLAG)	NETWORK OF TYPE	GRID-ID
TKNI2	1ST HIGHEST VALUE IS	152.39395 AT (	466611.81,	3783082.00,	509.43,	509.43,	0.00)	DC	
	2ND HIGHEST VALUE IS	129.92668 AT (	466642.03,	3783205.25,	507.31,	507.31,	0.00)	DC	
	3RD HIGHEST VALUE IS	124.13142 AT (	466625.12,	3783150.50,	510.00,	510.00,	0.00)	GC	UCART1
	4TH HIGHEST VALUE IS	119.22916 AT (	466659.44,	3783231.50,	503.82,	503.82,	0.00)	DC	
	5TH HIGHEST VALUE IS	102.47498 AT (	466625.12,	3783346.50,	509.00,	509.00,	0.00)	GC	UCART1
	6TH HIGHEST VALUE IS	94.69065 AT (	466479.59,	3783150.50,	512.00,	512.00,	0.00)	GC	UCART1
	7TH HIGHEST VALUE IS	86.53968 AT (	466671.19,	3783134.50,	509.81,	509.81,	0.00)	DC	
	8TH HIGHEST VALUE IS	86.17873 AT (	466671.19,	3783138.50,	509.68,	509.68,	0.00)	DC	
	9TH HIGHEST VALUE IS	67.82074 AT (	466770.62,	3783346.50,	510.00,	516.00,	0.00)	GC	UCART1
	10TH HIGHEST VALUE IS	64.33465 AT (	466723.16,	3783212.75,	504.47,	534.00,	0.00)	DC	
TKNIDL	1ST HIGHEST VALUE IS	182.39526 AT (	467061.69,	3782954.50,	523.00,	533.00,	0.00)	GC	UCART1
	2ND HIGHEST VALUE IS	70.97804 AT (	467207.19,	3782954.50,	498.00,	534.00,	0.00)	GC	UCART1
	3RD HIGHEST VALUE IS	65.86239 AT (	466916.16,	3783150.50,	507.00,	534.00,	0.00)	GC	UCART1
	4TH HIGHEST VALUE IS	65.72181 AT (	466935.53,	3783146.00,	506.98,	534.00,	0.00)	DC	
	5TH HIGHEST VALUE IS	57.53246 AT (	467061.69,	3783150.50,	503.00,	534.00,	0.00)	GC	UCART1
	6TH HIGHEST VALUE IS	54.92157 AT (	466927.06,	3783025.75,	528.58,	534.00,	0.00)	DC	
	7TH HIGHEST VALUE IS	54.49689 AT (	467058.78,	3782777.75,	505.33,	534.00,	0.00)	DC	
	8TH HIGHEST VALUE IS	50.09501 AT (	467092.91,	3782779.25,	503.34,	534.00,	0.00)	DC	
	9TH HIGHEST VALUE IS	47.36871 AT (	467061.69,	3782758.75,	502.00,	534.00,	0.00)	GC	UCART1
	10TH HIGHEST VALUE IS	46.85144 AT (	466784.06,	3783140.00,	509.58,	534.00,	0.00)	DC	
TKNO	1ST HIGHEST VALUE IS	140.37654 AT (	466671.19,	3783138.50,	509.68,	509.68,	0.00)	DC	
	2ND HIGHEST VALUE IS	139.52020 AT (	466671.19,	3783134.50,	509.81,	509.81,	0.00)	DC	
	3RD HIGHEST VALUE IS	122.88781 AT (	466784.06,	3783140.00,	509.58,	534.00,	0.00)	DC	
	4TH HIGHEST VALUE IS	121.78305 AT (	466770.62,	3783150.50,	509.00,	534.00,	0.00)	GC	UCART1
	5TH HIGHEST VALUE IS	115.52706 AT (	466916.16,	3783150.50,	507.00,	534.00,	0.00)	GC	UCART1
	6TH HIGHEST VALUE IS	107.61526 AT (	466935.53,	3783146.00,	506.98,	534.00,	0.00)	DC	
	7TH HIGHEST VALUE IS	84.48228 AT (	466611.81,	3783082.00,	509.43,	509.43,	0.00)	DC	
	8TH HIGHEST VALUE IS	81.56039 AT (	466723.16,	3783212.75,	504.47,	534.00,	0.00)	DC	
	9TH HIGHEST VALUE IS	76.92491 AT (	466625.12,	3783150.50,	510.00,	510.00,	0.00)	GC	UCART1
	10TH HIGHEST VALUE IS	69.29366 AT (	466642.03,	3783205.25,	507.31,	507.31,	0.00)	DC	

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CONC DFAULT ELEV

*** THE SUMMARY OF MAXIMUM ANNUAL (3 YRS) RESULTS ***

** CONC OF PM-10 IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR,	YR,	ZELEV,	ZHILL,	ZFLAG)	NETWORK OF TYPE	GRID-ID
TKNO2	1ST HIGHEST VALUE IS	152.42543 AT (	466642.03,	3783205.25,	507.31,	507.31,	0.00)	DC	
	2ND HIGHEST VALUE IS	146.25429 AT (	466625.12,	3783150.50,	510.00,	510.00,	0.00)	GC	UCART1
	3RD HIGHEST VALUE IS	140.99535 AT (	466659.44,	3783231.50,	503.82,	503.82,	0.00)	DC	
	4TH HIGHEST VALUE IS	96.24213 AT (	466625.12,	3783346.50,	509.00,	509.00,	0.00)	GC	UCART1
	5TH HIGHEST VALUE IS	90.61969 AT (	466611.81,	3783082.00,	509.43,	509.43,	0.00)	DC	
	6TH HIGHEST VALUE IS	89.91794 AT (	466671.19,	3783138.50,	509.68,	509.68,	0.00)	DC	
	7TH HIGHEST VALUE IS	89.29046 AT (	466671.19,	3783134.50,	509.81,	509.81,	0.00)	DC	
	8TH HIGHEST VALUE IS	87.79708 AT (	466479.59,	3783150.50,	512.00,	512.00,	0.00)	GC	UCART1
	9TH HIGHEST VALUE IS	72.92704 AT (	466770.62,	3783346.50,	510.00,	516.00,	0.00)	GC	UCART1
	10TH HIGHEST VALUE IS	70.58588 AT (	466723.16,	3783212.75,	504.47,	534.00,	0.00)	DC	
TKSI	1ST HIGHEST VALUE IS	138.69011 AT (	466770.62,	3783150.50,	509.00,	534.00,	0.00)	GC	UCART1
	2ND HIGHEST VALUE IS	130.75244 AT (	466671.19,	3783134.50,	509.81,	509.81,	0.00)	DC	
	3RD HIGHEST VALUE IS	123.72992 AT (	466671.19,	3783138.50,	509.68,	509.68,	0.00)	DC	
	4TH HIGHEST VALUE IS	119.94443 AT (	466611.81,	3783082.00,	509.43,	509.43,	0.00)	DC	
	5TH HIGHEST VALUE IS	119.72910 AT (	466784.06,	3783140.00,	509.58,	534.00,	0.00)	DC	
	6TH HIGHEST VALUE IS	102.64108 AT (	466770.62,	3782954.50,	513.00,	534.00,	0.00)	GC	UCART1
	7TH HIGHEST VALUE IS	102.18069 AT (	466673.38,	3782951.00,	503.71,	534.00,	0.00)	DC	
	8TH HIGHEST VALUE IS	89.39828 AT (	466625.12,	3782954.50,	503.00,	534.00,	0.00)	GC	UCART1
	9TH HIGHEST VALUE IS	83.47126 AT (	466715.19,	3782914.25,	502.90,	534.00,	0.00)	DC	
	10TH HIGHEST VALUE IS	81.52637 AT (	466625.12,	3783150.50,	510.00,	510.00,	0.00)	GC	UCART1
TKSI2	1ST HIGHEST VALUE IS	151.79291 AT (	466611.81,	3783082.00,	509.43,	509.43,	0.00)	DC	
	2ND HIGHEST VALUE IS	130.37358 AT (	466642.03,	3783205.25,	507.31,	507.31,	0.00)	DC	
	3RD HIGHEST VALUE IS	125.33070 AT (	466625.12,	3783150.50,	510.00,	510.00,	0.00)	GC	UCART1
	4TH HIGHEST VALUE IS	119.35562 AT (	466659.44,	3783231.50,	503.82,	503.82,	0.00)	DC	
	5TH HIGHEST VALUE IS	101.31020 AT (	466625.12,	3783346.50,	509.00,	509.00,	0.00)	GC	UCART1
	6TH HIGHEST VALUE IS	95.49113 AT (	466479.59,	3783150.50,	512.00,	512.00,	0.00)	GC	UCART1
	7TH HIGHEST VALUE IS	86.96378 AT (	466671.19,	3783134.50,	509.81,	509.81,	0.00)	DC	
	8TH HIGHEST VALUE IS	86.56089 AT (	466671.19,	3783138.50,	509.68,	509.68,	0.00)	DC	
	9TH HIGHEST VALUE IS	67.51688 AT (	466770.62,	3783346.50,	510.00,	516.00,	0.00)	GC	UCART1
	10TH HIGHEST VALUE IS	64.48022 AT (	466723.16,	3783212.75,	504.47,	534.00,	0.00)	DC	

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CONC DFAULT ELEV

*** THE SUMMARY OF MAXIMUM ANNUAL (3 YRS) RESULTS ***

** CONC OF PM-10 IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	NETWORK OF TYPE	GRID-ID

```
TKSIDL   1ST HIGHEST VALUE IS     229.67033 AT (  466770.62,  3782954.50,    513.00,     534.00,      0.00)  GC   UCART1
         2ND HIGHEST VALUE IS     119.53232 AT (  466757.03,  3782867.25,    501.65,     534.00,      0.00)  DC
         3RD HIGHEST VALUE IS     109.24490 AT (  466846.41,  3782792.50,    499.42,     534.00,      0.00)  DC
         4TH HIGHEST VALUE IS     108.71847 AT (  466715.19,  3782914.25,    502.90,     534.00,      0.00)  DC
         5TH HIGHEST VALUE IS     103.94527 AT (  466870.19,  3782777.75,    499.95,     534.00,      0.00)  DC
         6TH HIGHEST VALUE IS      79.87144 AT (  466770.62,  3782758.75,    496.00,     534.00,      0.00)  GC   UCART1
         7TH HIGHEST VALUE IS      79.41315 AT (  466916.16,  3782758.75,    500.00,     534.00,      0.00)  GC   UCART1
         8TH HIGHEST VALUE IS      72.98667 AT (  466673.38,  3782951.00,    503.71,     534.00,      0.00)  DC
         9TH HIGHEST VALUE IS      50.76344 AT (  466942.94,  3782758.25,    500.29,     534.00,      0.00)  DC
        10TH HIGHEST VALUE IS      49.45315 AT (  466611.81,  3783082.00,    509.43,     509.43,      0.00)  DC

TKSO     1ST HIGHEST VALUE IS     141.04741 AT (  466671.19,  3783138.50,    509.68,     509.68,      0.00)  DC
         2ND HIGHEST VALUE IS     139.97823 AT (  466671.19,  3783134.50,    509.81,     509.81,      0.00)  DC
         3RD HIGHEST VALUE IS     127.02771 AT (  466784.06,  3783140.00,    509.58,     534.00,      0.00)  DC
         4TH HIGHEST VALUE IS     119.51968 AT (  466611.81,  3783082.00,    509.43,     509.43,      0.00)  DC
         5TH HIGHEST VALUE IS     100.44540 AT (  466770.62,  3782954.50,    513.00,     534.00,      0.00)  GC   UCART1
         6TH HIGHEST VALUE IS      99.40012 AT (  466770.62,  3783150.50,    509.00,     534.00,      0.00)  GC   UCART1
         7TH HIGHEST VALUE IS      95.96418 AT (  466673.38,  3782951.00,    503.71,     534.00,      0.00)  DC
         8TH HIGHEST VALUE IS      88.56333 AT (  466625.12,  3783150.50,    510.00,     510.00,      0.00)  GC   UCART1
         9TH HIGHEST VALUE IS      79.82005 AT (  466625.12,  3782954.50,    503.00,     534.00,      0.00)  GC   UCART1
        10TH HIGHEST VALUE IS      78.40821 AT (  466715.19,  3782914.25,    502.90,     534.00,      0.00)  DC

TKSO2    1ST HIGHEST VALUE IS     154.77336 AT (  466642.03,  3783205.25,    507.31,     507.31,      0.00)  DC
         2ND HIGHEST VALUE IS     144.53728 AT (  466659.44,  3783231.50,    503.82,     503.82,      0.00)  DC
         3RD HIGHEST VALUE IS     138.99089 AT (  466625.12,  3783150.50,    510.00,     510.00,      0.00)  GC   UCART1
         4TH HIGHEST VALUE IS      99.03635 AT (  466625.12,  3783346.50,    509.00,     509.00,      0.00)  GC   UCART1
         5TH HIGHEST VALUE IS      86.21206 AT (  466671.19,  3783138.50,    509.68,     509.68,      0.00)  DC
         6TH HIGHEST VALUE IS      85.53751 AT (  466671.19,  3783134.50,    509.81,     509.81,      0.00)  DC
         7TH HIGHEST VALUE IS      85.04455 AT (  466479.59,  3783150.50,    512.00,     512.00,      0.00)  GC   UCART1
         8TH HIGHEST VALUE IS      83.44379 AT (  466611.81,  3783082.00,    509.43,     509.43,      0.00)  DC
         9TH HIGHEST VALUE IS      75.17416 AT (  466770.62,  3783346.50,    510.00,     516.00,      0.00)  GC   UCART1
        10TH HIGHEST VALUE IS      69.92932 AT (  466723.16,  3783212.75,    504.47,     534.00,      0.00)  DC
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                                  *** DPM Emissions for HRA                                                  ***       17:10:23
**MODELOPTS:                                                                                                           PAGE  75
CONC                        DFAULT ELEV

                                          *** THE SUMMARY OF MAXIMUM ANNUAL (   3 YRS) RESULTS ***

                                      ** CONC OF PM-10     IN MICROGRAMS/M**3                        **

                                                                                                           NETWORK
GROUP ID                      AVERAGE CONC               RECEPTOR  (XR, YR, ZELEV, ZHILL, ZFLAG)   OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

ALL      1ST HIGHEST VALUE IS    1416.57031 AT (  466671.19,  3783134.50,    509.81,     509.81,      0.00)  DC
         2ND HIGHEST VALUE IS    1373.12415 AT (  466671.19,  3783138.50,    509.68,     509.68,      0.00)  DC
         3RD HIGHEST VALUE IS    1317.00391 AT (  466611.81,  3783082.00,    509.43,     509.43,      0.00)  DC
         4TH HIGHEST VALUE IS    1159.11047 AT (  466625.12,  3783150.50,    510.00,     510.00,      0.00)  GC   UCART1
         5TH HIGHEST VALUE IS    1069.88086 AT (  466784.06,  3783140.00,    509.58,     534.00,      0.00)  DC
         6TH HIGHEST VALUE IS    1053.47156 AT (  466770.62,  3783150.50,    509.00,     534.00,      0.00)  GC   UCART1
         7TH HIGHEST VALUE IS    1037.06506 AT (  466642.03,  3783205.25,    507.31,     507.31,      0.00)  DC
         8TH HIGHEST VALUE IS     885.86816 AT (  466659.44,  3783231.50,    503.82,     503.82,      0.00)  DC
         9TH HIGHEST VALUE IS     733.69171 AT (  466723.16,  3783212.75,    504.47,     534.00,      0.00)  DC
        10TH HIGHEST VALUE IS     716.95508 AT (  466770.62,  3782954.50,    513.00,     534.00,      0.00)  GC   UCART1


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
 *** AERMOD - VERSION 07026 ***    *** C:\AERMOD Projects\Palm Industrial\2011 Revisions\Operational\PIop20 ***        08/10/11
                                  *** DPM Emissions for HRA                                                  ***       17:10:23
**MODELOPTS:                                                                                                           PAGE  76
CONC                        DFAULT ELEV


*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of             0 Fatal Error Message(s)
A Total of             8 Warning Message(s)
A Total of          2249 Informational Message(s)

A Total of             0 Calm Hours Identified

A Total of          2249 Missing Hours Identified (  8.56 Percent)


   ******** FATAL ERROR MESSAGES ********
              ***  NONE  ***


   ********   WARNING MESSAGES   ********
OU W565  1567 PERPLT:Possible Conflict With Dynamically Allocated FUNIT PLOTFILE
OU W565  1568 PERPLT:Possible Conflict With Dynamically Allocated FUNIT PLOTFILE
OU W565  1569 PERPLT:Possible Conflict With Dynamically Allocated FUNIT PLOTFILE
OU W565  1570 PERPLT:Possible Conflict With Dynamically Allocated FUNIT PLOTFILE
MX W420 18515 METQA :Wind Speed Out-of-Range.   KURDAT=                07021111
MX W420 25972 METQA :Wind Speed Out-of-Range.   KURDAT=                07121904
MX W420 25976 METQA :Wind Speed Out-of-Range.   KURDAT=                07121908
MX W432 25976 METQA :Friction Velocity Out-of-Range.   KURDAT=         07121908

   ************************************
   *** AERMOD Finishes Successfully ***
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