

Dispersion Options

Titles C:\Lakes\AERMOD View Trial\Projekti\Gren IVN\Gren HCl remodel\Gren H	
Dispersion Options <input type="checkbox"/> Regulatory Default <input checked="" type="checkbox"/> Non-Default Options	Dispersion Coefficient Rural
<input checked="" type="checkbox"/> Elevated Terrain <input type="checkbox"/> No Stack-Tip Downwash (NOSTD) <input type="checkbox"/> Run in Screening Mode <input type="checkbox"/> Conversion of NOx to NO2 (OLM or PVMRM) <input type="checkbox"/> No Checks for Non-Sequential Met Data <input type="checkbox"/> Fast All Sources (FASTALL) <input type="checkbox"/> Fast Area Sources (FASTAREA) <input type="checkbox"/> Optimized Area Source Plume Depletion <input checked="" type="checkbox"/> Gas Deposition	Output Type <input checked="" type="checkbox"/> Concentration <input type="checkbox"/> Total Deposition (Dry & Wet) <input checked="" type="checkbox"/> Dry Deposition <input type="checkbox"/> Wet Deposition
<div style="border: 1px solid black; padding: 5px;"> BETA Options: <input type="checkbox"/> Capped and Horizontal Stack Releases <input type="checkbox"/> Adjusted Friction Velocity (u^*) in AERMET (ADJ_U*) <input type="checkbox"/> Low Wind Options </div> <input type="checkbox"/> SCIM (Sampled Chronological Input Model) <input type="checkbox"/> Ignore Urban Night / Daytime Transition (NOURBTRAN)	Plume Depletion <input type="checkbox"/> Dry Removal <input type="checkbox"/> Wet Removal
	Output Warnings <input type="checkbox"/> No Output Warnings <input type="checkbox"/> Non-fatal Warnings for Non-sequential Met Data

Pollutant / Averaging Time / Terrain Options

Pollutant Type PM10	Exponential Decay <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Averaging Time Options Hours <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 6 <input type="checkbox"/> 8 <input type="checkbox"/> 12 <input checked="" type="checkbox"/> 24 <input type="checkbox"/> Month <input type="checkbox"/> Period <input checked="" type="checkbox"/> Annual	Terrain Height Options <input type="checkbox"/> Flat <input checked="" type="checkbox"/> Elevated SO: Meters RE: Meters TG: Meters
Flagpole Receptors <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Default Height = 2,00 m	

Optional Files



Re-Start File



Init File



Multi-Year Analyses



Event Input File



Error Listing File

Detailed Error Listing File

Filename: Gren PM10 remod.err

Receptor Pathway

AERMOD

Receptor Networks

Note: Terrain Elevations and Flagpole Heights for Network Grids are in Page RE2 - 1 (If applicable)
Generated Discrete Receptors for Multi-Tier (Risk) Grid and Receptor Locations for Fenceline Grid are in Page RE3 - 1 (If applicable)

Uniform Cartesian Grid

Receptor Network ID	Grid Origin X Coordinate [m]	Grid Origin Y Coordinate [m]	No. of X-Axis Receptors	No. of Y-Axis Receptors	Spacing for X-Axis [m]	Spacing for Y-Axis [m]
UCART1	331529.00	6309796.00	81	81	50.00	50.00

Discrete Receptors

Plant Boundary Receptors

Results Summary

C:\Lakes\AERMOD View Trial\Projekti\Gren IVN\Gren HCI remodel\Gren H

PM10 - Concentration - Source Group: ALL

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	0.64148	ug/m^3	332379.00	6310646.00	11.20	2.00	11.20	22.08.2022, 21
24-HR	1ST	0.21115	ug/m^3	332429.00	6310746.00	17.10	2.00	17.10	20.04.2022, 24
ANNUAL		0.02587	ug/m^3	333279.00	6311496.00	16.80	2.00	23.00	
1-HR	90,41pct	0.10246	ug/m^3	333279.00	6311496.00	16.80	2.00	23.00	
1-HR	100,00pct	0.64148	ug/m^3	332379.00	6310646.00	11.20	2.00	11.20	
24-HR	90,41pct	0.07514	ug/m^3	332779.00	6311396.00	21.70	2.00	21.70	
24-HR	100,00pct	0.21115	ug/m^3	332429.00	6310746.00	17.10	2.00	17.10	

PM10 - Dry Deposition - Source Group: ALL

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	0.00055	g/m^2	333129.00	6310946.00	22.60	2.00	22.60	
24-HR	1ST	0.00680	g/m^2	333029.00	6310746.00	15.30	2.00	16.00	
ANNUAL		0.26228	g/m^2	333129.00	6311396.00	22.30	2.00	22.30	
1-HR	90,41pct	0.00015	g/m^2	333179.00	6310646.00	16.80	2.00	20.00	
1-HR	100,00pct	0.00055	g/m^2	333129.00	6310946.00	22.60	2.00	22.60	
24-HR	90,41pct	0.00223	g/m^2	333129.00	6310696.00	13.50	2.00	19.00	
24-HR	100,00pct	0.00680	g/m^2	333029.00	6310746.00	15.30	2.00	16.00	

Results Summary

C:\Lakes\AERMOD View Trial\Projekti\Gren IVN\Gren HCI remodel\Gren H

PM10 - Concentration - Source Group: ALL

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	0.67149	ug/m^3	332379.00	6310646.00	11.20	2.00	11.20	22.05.2023, 21
24-HR	1ST	0.20165	ug/m^3	332429.00	6310796.00	18.70	2.00	18.70	19.04.2023, 24
ANNUAL		0.02521	ug/m^3	333129.00	6311396.00	22.30	2.00	22.30	
1-HR	90,41pct	0.09909	ug/m^3	333229.00	6311496.00	15.60	2.00	17.00	
1-HR	100,00pct	0.67149	ug/m^3	332379.00	6310646.00	11.20	2.00	11.20	
24-HR	90,41pct	0.06587	ug/m^3	333229.00	6311446.00	12.80	2.00	15.00	
24-HR	100,00pct	0.20165	ug/m^3	332429.00	6310796.00	18.70	2.00	18.70	

PM10 - Dry Deposition - Source Group: ALL

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	0.00055	g/m^2	333129.00	6310946.00	22.60	2.00	22.60	
24-HR	1ST	0.00711	g/m^2	332779.00	6311196.00	22.10	2.00	22.10	
ANNUAL		0.26334	g/m^2	333129.00	6311396.00	22.30	2.00	22.30	
1-HR	90,41pct	0.00012	g/m^2	333029.00	6310596.00	13.00	2.00	13.00	
1-HR	100,00pct	0.00055	g/m^2	333129.00	6310946.00	22.60	2.00	22.60	
24-HR	90,41pct	0.00187	g/m^2	333279.00	6311496.00	16.80	2.00	23.00	
24-HR	100,00pct	0.00711	g/m^2	332779.00	6311196.00	22.10	2.00	22.10	

Results Summary

C:\Lakes\AERMOD View Trial\Projekti\Gren IVN\Gren HCI remodel\Gren H

PM10 - Concentration - Source Group: ALL

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	0.71333	ug/m^3	332379.00	6310646.00	11.20	2.00	11.20	01.06.2024, 22
24-HR	1ST	0.20845	ug/m^3	332429.00	6310746.00	17.10	2.00	17.10	01.10.2024, 24
ANNUAL		0.02601	ug/m^3	332879.00	6311446.00	22.90	2.00	22.90	
1-HR	90,41pct	0.10120	ug/m^3	332879.00	6311446.00	22.90	2.00	22.90	
1-HR	100,00pct	0.71333	ug/m^3	332379.00	6310646.00	11.20	2.00	11.20	
24-HR	90,41pct	0.07777	ug/m^3	332879.00	6311396.00	22.00	2.00	22.00	
24-HR	100,00pct	0.20845	ug/m^3	332429.00	6310746.00	17.10	2.00	17.10	

PM10 - Dry Deposition - Source Group: ALL

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	0.00072	g/m^2	333079.00	6310996.00	24.50	2.00	24.50	
24-HR	1ST	0.00593	g/m^2	333079.00	6311396.00	21.80	2.00	21.80	
ANNUAL		0.26581	g/m^2	332879.00	6311396.00	22.00	2.00	22.00	
1-HR	90,41pct	0.00013	g/m^2	332829.00	6311396.00	22.00	2.00	22.00	
1-HR	100,00pct	0.00072	g/m^2	333079.00	6310996.00	24.50	2.00	24.50	
24-HR	90,41pct	0.00233	g/m^2	332879.00	6311396.00	22.00	2.00	22.00	
24-HR	100,00pct	0.00593	g/m^2	333079.00	6311396.00	21.80	2.00	21.80	

Source Pathway - Source Inputs

AERMOD

Point Sources

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Gas Exit Temp. [K]	Gas Exit Velocity [m/s]	Stack Inside Diameter [m]
POINT	A1	333017.00 lekartas dumenis	6310997.00	23.13	70.00	0,08540	317.35	14.30	1.95