

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"/> Flat 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 checked="" type="checkbox"/> Flat <input type="checkbox"/> Elevated
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 remodel + VRC.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

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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	0.92429	ug/m^3	332179.00	6312046.00	19.00	2.00	19.00	08.06.2022, 11
24-HR	1ST	0.38375	ug/m^3	331829.00	6312296.00	19.00	2.00	19.00	30.06.2022, 24
ANNUAL		0.07178	ug/m^3	332279.00	6312446.00	19.00	2.00	19.00	
1-HR	90,41pct	0.26274	ug/m^3	332229.00	6312446.00	19.00	2.00	19.00	
1-HR	100,00pct	0.92429	ug/m^3	332179.00	6312046.00	19.00	2.00	19.00	
24-HR	90,41pct	0.19405	ug/m^3	331979.00	6312496.00	19.00	2.00	19.00	
24-HR	100,00pct	0.38375	ug/m^3	331829.00	6312296.00	19.00	2.00	19.00	

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	0.00091	g/m^2	332079.00	6311846.00	19.00	2.00	19.00	
24-HR	1ST	0.01692	g/m^2	332079.00	6311846.00	19.00	2.00	19.00	
ANNUAL		0.73009	g/m^2	332179.00	6311746.00	19.00	2.00	19.00	
1-HR	90,41pct	0.00037	g/m^2	332179.00	6311746.00	19.00	2.00	19.00	
1-HR	100,00pct	0.00091	g/m^2	332079.00	6311846.00	19.00	2.00	19.00	
24-HR	90,41pct	0.00569	g/m^2	332129.00	6311746.00	19.00	2.00	19.00	
24-HR	100,00pct	0.01692	g/m^2	332079.00	6311846.00	19.00	2.00	19.00	

Results Summary

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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	0.79486	ug/m^3	331729.00	6312096.00	14.40	2.00	14.40	16.08.2023, 9
24-HR	1ST	0.36004	ug/m^3	332429.00	6312446.00	9.30	2.00	23.00	08.11.2023, 24
ANNUAL		0.06922	ug/m^3	332179.00	6312496.00	7.80	2.00	7.80	
1-HR	90,41pct	0.25816	ug/m^3	332179.00	6312496.00	7.80	2.00	7.80	
1-HR	100,00pct	0.79486	ug/m^3	331729.00	6312096.00	14.40	2.00	14.40	
24-HR	90,41pct	0.17747	ug/m^3	332129.00	6312496.00	7.50	2.00	7.50	
24-HR	100,00pct	0.36004	ug/m^3	332429.00	6312446.00	9.30	2.00	23.00	

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	0.00091	g/m^2	332129.00	6311846.00	10.90	2.00	10.90	
24-HR	1ST	0.01557	g/m^2	331929.00	6312246.00	9.80	2.00	25.00	
ANNUAL		0.68041	g/m^2	332179.00	6312446.00	8.10	2.00	27.00	
1-HR	90,41pct	0.00030	g/m^2	332129.00	6311696.00	10.00	2.00	10.00	
1-HR	100,00pct	0.00091	g/m^2	332279.00	6311946.00	16.70	2.00	16.70	
24-HR	90,41pct	0.00483	g/m^2	332279.00	6312446.00	13.20	2.00	13.20	
24-HR	100,00pct	0.01557	g/m^2	331929.00	6312246.00	9.80	2.00	25.00	

Results Summary

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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	0.84734	ug/m^3	332379.00	6310646.00	19.00	2.00	19.00	01.06.2024, 22
24-HR	1ST	0.37657	ug/m^3	332029.00	6312496.00	19.00	2.00	19.00	19.10.2024, 24
ANNUAL		0.07242	ug/m^3	332029.00	6312496.00	19.00	2.00	19.00	
1-HR	90,41pct	0.28230	ug/m^3	331929.00	6312446.00	19.00	2.00	19.00	
1-HR	100,00pct	0.84734	ug/m^3	332379.00	6310646.00	19.00	2.00	19.00	
24-HR	90,41pct	0.20881	ug/m^3	331929.00	6312446.00	19.00	2.00	19.00	
24-HR	100,00pct	0.37657	ug/m^3	332029.00	6312496.00	19.00	2.00	19.00	

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	0.00092	g/m^2	332079.00	6311846.00	19.00	2.00	19.00	
24-HR	1ST	0.01404	g/m^2	332129.00	6312396.00	19.00	2.00	19.00	
ANNUAL		0.71554	g/m^2	331979.00	6312446.00	19.00	2.00	19.00	
1-HR	90,41pct	0.00035	g/m^2	331929.00	6312396.00	19.00	2.00	19.00	
1-HR	100,00pct	0.00092	g/m^2	332079.00	6311846.00	19.00	2.00	19.00	
24-HR	90,41pct	0.00605	g/m^2	331929.00	6312396.00	19.00	2.00	19.00	
24-HR	100,00pct	0.01404	g/m^2	332129.00	6312396.00	19.00	2.00	19.00	

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
POINT	A1VRC	332082.00 VRC	6312056.00	7.95	70.00	0,17600	318.15	6.46	2.20