

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 <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> 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)	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 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 NO2 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 <input checked="" type="checkbox"/> 1-Hour NO2 Non-NAAQS <input type="checkbox"/> 1-Hour NO2 NAAQS	Exponential Decay <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No 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 NOx remodel.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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NO2 - 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	18.45754	ug/m^3	332379.00	6310646.00	19.00	2.00	19.00	22.08.2022, 21
24-HR	1ST	5.66472	ug/m^3	332479.00	6310746.00	19.00	2.00	19.00	20.04.2022, 24
ANNUAL		0.71352	ug/m^3	333279.00	6311446.00	19.00	2.00	19.00	
1-HR	99,79pct	13.61969	ug/m^3	332379.00	6310696.00	19.00	2.00	19.00	
24-HR	99,79pct	5.66472	ug/m^3	332479.00	6310746.00	19.00	2.00	19.00	

NO2 - 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	0.00044	g/m^2	332829.00	6310646.00	19.00	2.00	19.00	
24-HR	1ST	0.00240	g/m^2	333279.00	6311396.00	19.00	2.00	19.00	
ANNUAL		0.10619	g/m^2	333229.00	6311396.00	19.00	2.00	19.00	
1-HR	99,79pct	0.00023	g/m^2	333329.00	6311446.00	19.00	2.00	19.00	
24-HR	99,79pct	0.00240	g/m^2	333279.00	6311396.00	19.00	2.00	19.00	

Results Summary

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NO2 - 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	15.59113	ug/m^3	332379.00	6310646.00	11.20	2.00	11.20	22.05.2023, 21
24-HR	1ST	5.03723	ug/m^3	332429.00	6310796.00	18.70	2.00	18.70	19.04.2023, 24
ANNUAL		0.66133	ug/m^3	333279.00	6311546.00	21.30	2.00	21.30	
1-HR	99,79pct	11.90808	ug/m^3	332329.00	6310646.00	10.90	2.00	10.90	
24-HR	99,79pct	5.03723	ug/m^3	332429.00	6310796.00	18.70	2.00	18.70	

NO2 - 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	0.00034	g/m^2	332879.00	6310596.00	11.20	2.00	11.20	
24-HR	1ST	0.00215	g/m^2	333429.00	6311246.00	9.00	2.00	9.00	
ANNUAL		0.09466	g/m^2	333129.00	6311396.00	22.30	2.00	22.30	
1-HR	99,79pct	0.00022	g/m^2	332879.00	6310596.00	11.20	2.00	11.20	
24-HR	99,79pct	0.00215	g/m^2	333429.00	6311246.00	9.00	2.00	9.00	

Results Summary

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NO2 - 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	19.74215	ug/m^3	332379.00	6310646.00	19.00	2.00	19.00	01.06.2024, 22
24-HR	1ST	5.56199	ug/m^3	332429.00	6310746.00	19.00	2.00	19.00	01.10.2024, 24
ANNUAL		0.68375	ug/m^3	333279.00	6311446.00	19.00	2.00	19.00	
1-HR	99,79pct	13.52570	ug/m^3	332329.00	6310646.00	19.00	2.00	19.00	
24-HR	99,79pct	5.56199	ug/m^3	332429.00	6310746.00	19.00	2.00	19.00	

NO2 - 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	0.00038	g/m^2	332779.00	6310696.00	19.00	2.00	19.00	
24-HR	1ST	0.00249	g/m^2	333329.00	6311396.00	19.00	2.00	19.00	
ANNUAL		0.10047	g/m^2	333279.00	6311396.00	19.00	2.00	19.00	
1-HR	99,79pct	0.00022	g/m^2	333329.00	6311396.00	19.00	2.00	19.00	
24-HR	99,79pct	0.00249	g/m^2	333329.00	6311396.00	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	2,13500	317.35	14.30	1.95