

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 NO2 + VRC + Slokas.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

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	133.96659	ug/m^3	333379.00	6311746.00	19.00	2.00	19.00	05.08.2022, 22
24-HR	1ST	95.12023	ug/m^3	333429.00	6311746.00	19.00	2.00	19.00	06.12.2022, 24
ANNUAL		21.61616	ug/m^3	333479.00	6311746.00	19.00	2.00	19.00	
1-HR	99,79pct	125.27069	ug/m^3	333379.00	6311746.00	19.00	2.00	19.00	
24-HR	99,79pct	95.12023	ug/m^3	333429.00	6311746.00	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	0.00511	g/m^2	333529.00	6311696.00	19.00	2.00	19.00	
24-HR	1ST	0.05100	g/m^2	333579.00	6311596.00	19.00	2.00	19.00	
ANNUAL		2.54563	g/m^2	333529.00	6311746.00	19.00	2.00	19.00	
1-HR	99,79pct	0.00471	g/m^2	333529.00	6311696.00	19.00	2.00	19.00	
24-HR	99,79pct	0.05100	g/m^2	333579.00	6311596.00	19.00	2.00	19.00	

Results Summary

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

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	131.07077	ug/m^3	333529.00	6311696.00	19.00	2.00	19.00	30.09.2023, 8
24-HR	1ST	90.40565	ug/m^3	333579.00	6311746.00	19.00	2.00	19.00	08.11.2023, 24
ANNUAL		20.82730	ug/m^3	333479.00	6311746.00	19.00	2.00	19.00	
1-HR	99,79pct	123.27901	ug/m^3	333529.00	6311696.00	19.00	2.00	19.00	
24-HR	99,79pct	90.40564	ug/m^3	333579.00	6311746.00	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	0.00504	g/m^2	333529.00	6311696.00	19.00	2.00	19.00	
24-HR	1ST	0.04721	g/m^2	333429.00	6311746.00	19.00	2.00	19.00	
ANNUAL		2.33689	g/m^2	333479.00	6311746.00	19.00	2.00	19.00	
1-HR	99,79pct	0.00450	g/m^2	333529.00	6311696.00	19.00	2.00	19.00	
24-HR	99,79pct	0.04721	g/m^2	333429.00	6311746.00	19.00	2.00	19.00	

Results Summary

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

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	133.84533	ug/m^3	333479.00	6311746.00	19.00	2.00	19.00	01.07.2024, 4
24-HR	1ST	91.75365	ug/m^3	333529.00	6311696.00	19.00	2.00	19.00	21.11.2024, 24
ANNUAL		20.78325	ug/m^3	333479.00	6311746.00	19.00	2.00	19.00	
1-HR	99,79pct	120.81522	ug/m^3	333379.00	6311746.00	19.00	2.00	19.00	
24-HR	99,79pct	91.75366	ug/m^3	333529.00	6311696.00	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	0.00512	g/m^2	333579.00	6311596.00	19.00	2.00	19.00	
24-HR	1ST	0.04709	g/m^2	333529.00	6311696.00	19.00	2.00	19.00	
ANNUAL		2.47883	g/m^2	333529.00	6311746.00	19.00	2.00	19.00	
1-HR	99,79pct	0.00448	g/m^2	333529.00	6311696.00	19.00	2.00	19.00	
24-HR	99,79pct	0.04709	g/m^2	333529.00	6311696.00	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
POINT	A1VRC	332082.00 VRC	6312056.00	7.95	70.00	1,76100	318.15	6.46	2.20
POINT	SLOKAST1	333431.00 Gren Slokas A1	6311588.00	9.63	27.00	4,30000	326.15	21.17	1.20
POINT	SLOKAST2	333431.00 Gren Slokas A@	6311601.00	9.63	27.00	4,30000	326.15	21.17	1.20