

## Dispersion Options

<b>Titles</b> C:\Lakes\AERMOD View Trial\Projekti\Gren IVN\Gren HCl remodel\Gren H	
<b>Dispersion Options</b> <input type="checkbox"/> Regulatory Default <input checked="" type="checkbox"/> Non-Default Options	<b>Dispersion Coefficient</b> 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	<b>Output Type</b> <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;"> <b>BETA Options:</b>  <input type="checkbox"/> Capped and Horizontal Stack Releases  <input type="checkbox"/> Adjusted Friction Velocity (<math>u^*</math>) 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)	<b>Plume Depletion</b> <input type="checkbox"/> Dry Removal <input type="checkbox"/> Wet Removal
	<b>Output Warnings</b> <input type="checkbox"/> No Output Warnings <input type="checkbox"/> Non-fatal Warnings for Non-sequential Met Data

## Pollutant / Averaging Time / Terrain Options

<b>Pollutant Type</b> SO2	<b>Exponential Decay</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>Averaging Time Options</b> 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 type="checkbox"/> 1-Hour SO2 Non-NAAQS <input checked="" type="checkbox"/> 1-Hour SO2 NAAQS	<b>Terrain Height Options</b> <input type="checkbox"/> Flat <input checked="" type="checkbox"/> Elevated      SO: Meters RE: Meters TG: Meters
<b>Flagpole Receptors</b> <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 SO2 + VRC + Sloka.err

# Receptor Pathway

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## 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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## SO2 - 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	89.06039	ug/m^3	333379.00	6311746.00	19.00	2.00	19.00	05.08.2022, 22
24-HR	1ST	62.99110	ug/m^3	333429.00	6311746.00	19.00	2.00	19.00	06.12.2022, 24
ANNUAL		14.12894	ug/m^3	333479.00	6311746.00	19.00	2.00	19.00	
1-HR	99,73pct	81.57600	ug/m^3	333379.00	6311746.00	19.00	2.00	19.00	
1-HR	99,18pct	74.21142	ug/m^3	333529.00	6311696.00	19.00	2.00	19.00	
24-HR	99,73pct	62.99109	ug/m^3	333429.00	6311746.00	19.00	2.00	19.00	
24-HR	99,18pct	59.19711	ug/m^3	333429.00	6311746.00	19.00	2.00	19.00	

## SO2 - 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	0.00347	g/m^2	333529.00	6311696.00	19.00	2.00	19.00	
24-HR	1ST	0.03497	g/m^2	333579.00	6311596.00	19.00	2.00	19.00	
ANNUAL		1.72771	g/m^2	333529.00	6311746.00	19.00	2.00	19.00	
1-HR	99,73pct	0.00313	g/m^2	333529.00	6311696.00	19.00	2.00	19.00	
1-HR	99,18pct	0.00279	g/m^2	333479.00	6311746.00	19.00	2.00	19.00	
24-HR	99,73pct	0.03498	g/m^2	333579.00	6311596.00	19.00	2.00	19.00	
24-HR	99,18pct	0.03048	g/m^2	333479.00	6311746.00	19.00	2.00	19.00	

# Results Summary

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## SO2 - 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	86.87059	ug/m^3	333379.00	6311746.00	19.00	2.00	19.00	15.08.2023, 24
24-HR	1ST	58.86812	ug/m^3	333579.00	6311746.00	19.00	2.00	19.00	08.11.2023, 24
ANNUAL		13.61457	ug/m^3	333479.00	6311746.00	19.00	2.00	19.00	
1-HR	99,73pct	79.91662	ug/m^3	333529.00	6311696.00	19.00	2.00	19.00	
1-HR	99,18pct	75.47098	ug/m^3	333529.00	6311696.00	19.00	2.00	19.00	
24-HR	99,73pct	58.86812	ug/m^3	333579.00	6311746.00	19.00	2.00	19.00	
24-HR	99,18pct	55.90877	ug/m^3	333529.00	6311746.00	19.00	2.00	19.00	

## SO2 - 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	0.00342	g/m^2	333529.00	6311696.00	19.00	2.00	19.00	
24-HR	1ST	0.03207	g/m^2	333429.00	6311746.00	19.00	2.00	19.00	
ANNUAL		1.57643	g/m^2	333529.00	6311746.00	19.00	2.00	19.00	
1-HR	99,73pct	0.00300	g/m^2	333529.00	6311696.00	19.00	2.00	19.00	
1-HR	99,18pct	0.00256	g/m^2	333479.00	6311746.00	19.00	2.00	19.00	
24-HR	99,73pct	0.03207	g/m^2	333429.00	6311746.00	19.00	2.00	19.00	
24-HR	99,18pct	0.02922	g/m^2	333429.00	6311746.00	19.00	2.00	19.00	

# Results Summary

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## SO2 - 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	88.55283	ug/m^3	333379.00	6311746.00	19.00	2.00	19.00	30.08.2024, 7
24-HR	1ST	59.92074	ug/m^3	333529.00	6311696.00	19.00	2.00	19.00	21.11.2024, 24
ANNUAL		13.58533	ug/m^3	333479.00	6311746.00	19.00	2.00	19.00	
1-HR	99,73pct	79.09164	ug/m^3	333429.00	6311746.00	19.00	2.00	19.00	
1-HR	99,18pct	74.34075	ug/m^3	333429.00	6311746.00	19.00	2.00	19.00	
24-HR	99,73pct	59.92074	ug/m^3	333529.00	6311696.00	19.00	2.00	19.00	
24-HR	99,18pct	55.10636	ug/m^3	333579.00	6311696.00	19.00	2.00	19.00	

## SO2 - 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	0.00354	g/m^2	333579.00	6311596.00	19.00	2.00	19.00	
24-HR	1ST	0.03163	g/m^2	333529.00	6311696.00	19.00	2.00	19.00	
ANNUAL		1.67313	g/m^2	333529.00	6311746.00	19.00	2.00	19.00	
1-HR	99,73pct	0.00301	g/m^2	333529.00	6311696.00	19.00	2.00	19.00	
1-HR	99,18pct	0.00277	g/m^2	333529.00	6311696.00	19.00	2.00	19.00	
24-HR	99,73pct	0.03163	g/m^2	333529.00	6311696.00	19.00	2.00	19.00	
24-HR	99,18pct	0.02815	g/m^2	333529.00	6311696.00	19.00	2.00	19.00	

# Source Pathway - Source Inputs

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## 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	0,42700	317.35	14.30	1.95
POINT	A1VRC	332082.00 VRC	6312056.00	7.95	70.00	1,05700	318.15	6.46	2.20
POINT	SLOKAST1	333431.00 Gren Slokas A1	6311588.00	9.63	27.00	2,86000	326.15	21.17	1.20
POINT	SLOKAST2	333431.00 Gren Slokas A@	6311601.00	9.63	27.00	2,86000	326.15	21.17	1.20