

## 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"/> 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	<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> OTHER - NH3	<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	<b>Terrain Height Options</b> <input checked="" type="checkbox"/> Flat <input type="checkbox"/> Elevated
<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 NH3 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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## NH3 - 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	1.79885	ug/m^3	332179.00	6312046.00	19.00	2.00	19.00	08.06.2022, 11
24-HR	1ST	0.79484	ug/m^3	331829.00	6312296.00	19.00	2.00	19.00	30.06.2022, 24
ANNUAL		0.14488	ug/m^3	332329.00	6312446.00	19.00	2.00	19.00	
1-HR	100,00pct	1.79885	ug/m^3	332179.00	6312046.00	19.00	2.00	19.00	
24-HR	100,00pct	0.79484	ug/m^3	331829.00	6312296.00	19.00	2.00	19.00	

## NH3 - 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	0.00006	g/m^2	331879.00	6312246.00	19.00	2.00	19.00	
24-HR	1ST	0.00040	g/m^2	331929.00	6312496.00	19.00	2.00	19.00	
ANNUAL		0.02107	g/m^2	332279.00	6312446.00	19.00	2.00	19.00	
1-HR	100,00pct	0.00006	g/m^2	331879.00	6312246.00	19.00	2.00	19.00	
24-HR	100,00pct	0.00040	g/m^2	331929.00	6312496.00	19.00	2.00	19.00	

# Results Summary

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## NH3 - 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	1.58103	ug/m^3	332129.00	6312296.00	19.00	2.00	19.00	21.06.2023, 8
24-HR	1ST	0.74878	ug/m^3	332429.00	6312446.00	19.00	2.00	19.00	08.11.2023, 24
ANNUAL		0.14193	ug/m^3	332279.00	6312446.00	19.00	2.00	19.00	
1-HR	100,00pct	1.58103	ug/m^3	332129.00	6312296.00	19.00	2.00	19.00	
24-HR	100,00pct	0.74878	ug/m^3	332429.00	6312446.00	19.00	2.00	19.00	

## NH3 - 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	0.00005	g/m^2	332029.00	6311646.00	19.00	2.00	19.00	
24-HR	1ST	0.00041	g/m^2	332379.00	6312396.00	19.00	2.00	19.00	
ANNUAL		0.02004	g/m^2	332229.00	6312446.00	19.00	2.00	19.00	
1-HR	100,00pct	0.00005	g/m^2	332129.00	6312296.00	19.00	2.00	19.00	
24-HR	100,00pct	0.00041	g/m^2	332379.00	6312396.00	19.00	2.00	19.00	

# Results Summary

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## NH3 - 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	1.60875	ug/m^3	332029.00	6312346.00	19.00	2.00	19.00	27.06.2024, 7
24-HR	1ST	0.76354	ug/m^3	332029.00	6312546.00	19.00	2.00	19.00	19.10.2024, 24
ANNUAL		0.14844	ug/m^3	332029.00	6312496.00	19.00	2.00	19.00	
1-HR	100,00pct	1.60875	ug/m^3	332029.00	6312346.00	19.00	2.00	19.00	
24-HR	100,00pct	0.76354	ug/m^3	332029.00	6312546.00	19.00	2.00	19.00	

## NH3 - 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	0.00005	g/m^2	332029.00	6311696.00	19.00	2.00	19.00	
24-HR	1ST	0.00038	g/m^2	332529.00	6311896.00	19.00	2.00	19.00	
ANNUAL		0.02041	g/m^2	332079.00	6312496.00	19.00	2.00	19.00	
1-HR	100,00pct	0.00005	g/m^2	332079.00	6312296.00	19.00	2.00	19.00	
24-HR	100,00pct	0.00038	g/m^2	331879.00	6312446.00	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	0,08540	317.35	14.30	1.95
POINT	A1VRC	332082.00 VRC	6312056.00	7.95	70.00	0,35200	318.15	6.46	2.20