

# Source Pathway - Source Inputs

AERMOD

## Polygon Area Sources

Source Type: AREA POLY

Source: PAREA1 (Laukums)

Base Elevation (Optional)	Release Height [m]	Emission Rate [g/ (s-m <sup>2</sup> )]	Initial Vertical Dim. [m]	Number of Vertices (or sides)	X Coordinate for Vertices [m]	Y Coordinate for Vertices [m]
44.00	0.00	0.00003	0.00	19	382196.59	319482.07
		0.00003			382674.63	319524.26
		0.00003			382696.80	319592.49
		0.00003			382847.46	319640.70
		0.00003			383178.92	319658.78
		0.00003			383215.08	319604.54
		0.00003			383558.59	319586.46
		0.00003			383602.22	319318.15
		0.00003			383871.97	319086.26
		0.00003			383920.18	318514.00
		0.00003			383468.19	318459.50
		0.00003			383389.85	318519.76
		0.00003			383255.71	318495.86
		0.00003			383181.83	318417.52
		0.00003			382792.63	318381.19
		0.00003			382299.04	318730.69
		0.00003			382225.43	318792.46
		0.00003			382094.14	318911.49
		0.00003			382076.06	319044.07

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## Line Area Sources

Source Type: LINE AREA

Source: PIEVED (Purva pievedcels)

Length of Side [m]	Emission Rate [g/ s]	Initial Vertical Dimension [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
8.45	0.00058	2.53	382603.01	320205.96	42.00	2.72
			382684.96	319603.73	42.00	2.72

Source Type: LINE AREA

Source: SCEN2 (Rudenieku cels)

Length of Side [m]	Emission Rate [g/ s]	Initial Vertical Dimension [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
8.45	0.00004	2.53	382597.99	320216.07	42.00	2.72
			382399.40	321727.37	36.00	2.72
			382257.86	321896.90	36.00	2.72
			382368.30	322559.53	41.00	2.72
			382507.80	322530.47	42.00	2.72
			382548.49	322600.22	41.00	2.72
			382600.80	322867.60	40.00	2.72
			382577.55	323105.92	38.00	2.72
			382507.80	323262.85	39.00	2.72
			382694.17	323583.28	39.00	2.72
			382839.12	323832.48	37.00	2.72
			382943.74	323867.36	36.00	2.72
			383176.25	323878.99	36.00	2.72
			383251.81	323878.99	36.00	2.72
			383862.13	324163.80	38.00	2.72
			384164.38	324198.68	39.00	2.72
			384466.63	324355.61	39.00	2.72
			384652.63	324518.37	40.00	2.72
			384757.26	324785.74	42.00	2.72
			384983.95	324855.49	42.00	2.72
			385129.26	325058.93	42.00	2.72
			385257.14	325099.62	42.00	2.72
			385565.21	325053.12	44.00	2.72

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Source Type: LINE AREA

Source: SCEN2 (Rudenieku cels)

Length of Side [m]	Emission Rate [g/ s]	Initial Vertical Dimension [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
8.45	0.00004	2.53	386094.15	324832.24	40.00	2.72
			386687.88	324029.22	42.00	2.72
			386802.80	323869.17	42.00	2.72
			386885.28	323596.50	43.00	2.72

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## Area Sources Generated from Line Sources

Line Source ID	Area Source ID	X Coordinate [m]	Y Coordinate [m]	Release Height [m]	Length of Side [m]	Angle [deg]	Base Elevation [m]	Initial Sigma Z [m]
PIEVED	A0000401	382598.83	320205.39	2.72	75.97	82.25	42.00	2.53
	A0000402	382609.07	320130.11	2.72	75.97	82.25	42.00	2.53
	A0000403	382619.31	320054.83	2.72	75.97	82.25	42.00	2.53
	A0000404	382629.56	319979.56	2.72	75.97	82.25	42.00	2.53
	A0000405	382639.80	319904.28	2.72	75.97	82.25	42.00	2.53
	A0000406	382650.04	319829.00	2.72	75.97	82.25	42.00	2.53
	A0000407	382660.29	319753.72	2.72	75.97	82.25	42.00	2.53
	A0000408	382670.53	319678.44	2.72	75.97	82.25	42.00	2.53
Line Source ID	Area Source ID	X Coordinate [m]	Y Coordinate [m]	Release Height [m]	Length of Side [m]	Angle [deg]	Base Elevation [m]	Initial Sigma Z [m]
SCEN2	A0000409	382602.18	320216.62	2.72	80.23	262.51	41.84	2.53
	A0000410	382591.72	320296.16	2.72	80.23	262.51	41.53	2.53
	A0000411	382581.27	320375.70	2.72	80.23	262.51	41.21	2.53
	A0000412	382570.82	320455.24	2.72	80.23	262.51	40.89	2.53
	A0000413	382560.37	320534.79	2.72	80.23	262.51	40.58	2.53
	A0000414	382549.92	320614.33	2.72	80.23	262.51	40.26	2.53
	A0000415	382539.47	320693.87	2.72	80.23	262.51	39.95	2.53
	A0000416	382529.01	320773.41	2.72	80.23	262.51	39.63	2.53
	A0000417	382518.56	320852.95	2.72	80.23	262.51	39.32	2.53
	A0000418	382508.11	320932.50	2.72	80.23	262.51	39.00	2.53
	A0000419	382497.66	321012.04	2.72	80.23	262.51	38.68	2.53
	A0000420	382487.21	321091.58	2.72	80.23	262.51	38.37	2.53
	A0000421	382476.75	321171.12	2.72	80.23	262.51	38.05	2.53
	A0000422	382466.30	321250.66	2.72	80.23	262.51	37.74	2.53

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Line Source ID	Area Source ID	X Coordinate [m]	Y Coordinate [m]	Release Height [m]	Length of Side [m]	Angle [deg]	Base Elevation [m]	Initial Sigma Z [m]
SCEN2	A0000423	382455.85	321330.21	2.72	80.23	262.51	37.42	2.53
	A0000424	382445.40	321409.75	2.72	80.23	262.51	37.11	2.53
	A0000425	382434.95	321489.29	2.72	80.23	262.51	36.79	2.53
	A0000426	382424.50	321568.83	2.72	80.23	262.51	36.47	2.53
	A0000427	382414.04	321648.38	2.72	80.23	262.51	36.16	2.53
	A0000428	382402.65	321730.08	2.72	73.62	230.14	36.00	2.53
	A0000429	382355.47	321786.59	2.72	73.62	230.14	36.00	2.53
	A0000430	382308.28	321843.10	2.72	73.62	230.14	36.00	2.53
	A0000431	382262.03	321896.21	2.72	83.97	279.46	36.31	2.53
	A0000432	382275.83	321979.04	2.72	83.97	279.46	36.94	2.53
	A0000433	382289.64	322061.87	2.72	83.97	279.46	37.56	2.53
	A0000434	382303.44	322144.70	2.72	83.97	279.46	38.19	2.53
	A0000435	382317.25	322227.52	2.72	83.97	279.46	38.81	2.53
	A0000436	382331.05	322310.35	2.72	83.97	279.46	39.44	2.53
	A0000437	382344.86	322393.18	2.72	83.97	279.46	40.06	2.53
	A0000438	382358.66	322476.01	2.72	83.97	279.46	40.69	2.53
	A0000439	382367.44	322555.40	2.72	71.25	11.77	41.25	2.53
	A0000440	382437.19	322540.87	2.72	71.25	11.77	41.75	2.53
	A0000441	382511.45	322528.34	2.72	80.75	300.26	41.50	2.53
	A0000442	382552.64	322599.41	2.72	68.11	281.07	40.88	2.53
	A0000443	382565.71	322666.26	2.72	68.11	281.07	40.63	2.53
	A0000444	382578.79	322733.10	2.72	68.11	281.07	40.38	2.53
	A0000445	382591.87	322799.94	2.72	68.11	281.07	40.13	2.53
	A0000446	382605.01	322868.01	2.72	79.82	264.43	39.67	2.53
	A0000447	382597.26	322947.45	2.72	79.82	264.43	39.00	2.53

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Line Source ID	Area Source ID	X Coordinate [m]	Y Coordinate [m]	Release Height [m]	Length of Side [m]	Angle [deg]	Base Elevation [m]	Initial Sigma Z [m]
SCEN2	A0000448	382589.51	323026.89	2.72	79.82	264.43	38.33	2.53
	A0000449	382581.41	323107.63	2.72	57.25	246.04	38.17	2.53
	A0000450	382558.16	323159.94	2.72	57.25	246.04	38.50	2.53
	A0000451	382534.91	323212.26	2.72	57.25	246.04	38.83	2.53
	A0000452	382511.45	323260.73	2.72	74.14	300.18	39.00	2.53
	A0000453	382548.73	323324.81	2.72	74.14	300.18	39.00	2.53
	A0000454	382586.00	323388.90	2.72	74.14	300.18	39.00	2.53
	A0000455	382623.28	323452.99	2.72	74.14	300.18	39.00	2.53
	A0000456	382660.55	323517.07	2.72	74.14	300.18	39.00	2.53
	A0000457	382697.82	323581.16	2.72	72.07	300.18	38.75	2.53
	A0000458	382734.06	323643.46	2.72	72.07	300.18	38.25	2.53
	A0000459	382770.30	323705.76	2.72	72.07	300.18	37.75	2.53
	A0000460	382806.53	323768.06	2.72	72.07	300.18	37.25	2.53
	A0000461	382840.45	323828.48	2.72	55.14	341.57	36.75	2.53
	A0000462	382892.77	323845.91	2.72	55.14	341.57	36.25	2.53
	A0000463	382943.95	323863.14	2.72	77.60	357.14	36.00	2.53
	A0000464	383021.45	323867.02	2.72	77.60	357.14	36.00	2.53
	A0000465	383098.96	323870.89	2.72	77.60	357.14	36.00	2.53
	A0000466	383176.25	323874.76	2.72	75.56	0.00	36.00	2.53
	A0000467	383253.60	323875.16	2.72	84.19	334.98	36.13	2.53
	A0000468	383329.88	323910.76	2.72	84.19	334.98	36.38	2.53
	A0000469	383406.17	323946.36	2.72	84.19	334.98	36.63	2.53
	A0000470	383482.46	323981.96	2.72	84.19	334.98	36.88	2.53
	A0000471	383558.75	324017.56	2.72	84.19	334.98	37.13	2.53
	A0000472	383635.04	324053.17	2.72	84.19	334.98	37.38	2.53

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Line Source ID	Area Source ID	X Coordinate [m]	Y Coordinate [m]	Release Height [m]	Length of Side [m]	Angle [deg]	Base Elevation [m]	Initial Sigma Z [m]
SCEN2	A0000473	383711.33	324088.77	2.72	84.19	334.98	37.63	2.53
	A0000474	383787.62	324124.37	2.72	84.19	334.98	37.88	2.53
	A0000475	383862.61	324159.60	2.72	76.06	353.42	38.13	2.53
	A0000476	383938.17	324168.32	2.72	76.06	353.42	38.38	2.53
	A0000477	384013.74	324177.04	2.72	76.06	353.42	38.63	2.53
	A0000478	384089.30	324185.76	2.72	76.06	353.42	38.88	2.53
	A0000479	384166.33	324194.93	2.72	68.11	332.56	39.00	2.53
	A0000480	384226.78	324226.31	2.72	68.11	332.56	39.00	2.53
	A0000481	384287.23	324257.70	2.72	68.11	332.56	39.00	2.53
	A0000482	384347.68	324289.09	2.72	68.11	332.56	39.00	2.53
	A0000483	384408.13	324320.48	2.72	68.11	332.56	39.00	2.53
	A0000484	384469.42	324352.44	2.72	82.38	318.81	39.17	2.53
	A0000485	384531.42	324406.69	2.72	82.38	318.81	39.50	2.53
	A0000486	384593.42	324460.94	2.72	82.38	318.81	39.83	2.53
	A0000487	384656.57	324516.83	2.72	71.78	291.37	40.25	2.53
	A0000488	384682.73	324583.67	2.72	71.78	291.37	40.75	2.53
	A0000489	384708.88	324650.52	2.72	71.78	291.37	41.25	2.53
	A0000490	384735.04	324717.36	2.72	71.78	291.37	41.75	2.53
	A0000491	384758.50	324781.71	2.72	79.06	342.90	42.00	2.53
	A0000492	384834.07	324804.96	2.72	79.06	342.90	42.00	2.53
	A0000493	384909.63	324828.21	2.72	79.06	342.90	42.00	2.53
	A0000494	384987.39	324853.04	2.72	83.34	305.54	42.00	2.53
	A0000495	385035.83	324920.85	2.72	83.34	305.54	42.00	2.53
	A0000496	385084.26	324988.67	2.72	83.34	305.54	42.00	2.53
	A0000497	385130.55	325054.91	2.72	67.10	342.35	42.00	2.53

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Line Source ID	Area Source ID	X Coordinate [m]	Y Coordinate [m]	Release Height [m]	Length of Side [m]	Angle [deg]	Base Elevation [m]	Initial Sigma Z [m]
SCEN2	A0000498	385194.48	325075.25	2.72	67.10	342.35	42.00	2.53
	A0000499	385256.51	325095.44	2.72	77.89	8.58	42.25	2.53
	A0000500	385333.53	325083.82	2.72	77.89	8.58	42.75	2.53
	A0000501	385410.54	325072.19	2.72	77.89	8.58	43.25	2.53
	A0000502	385487.56	325060.57	2.72	77.89	8.58	43.75	2.53
	A0000503	385563.58	325049.22	2.72	81.89	22.66	43.71	2.53
	A0000504	385639.14	325017.67	2.72	81.89	22.66	43.14	2.53
	A0000505	385714.70	324986.12	2.72	81.89	22.66	42.57	2.53
	A0000506	385790.27	324954.56	2.72	81.89	22.66	42.00	2.53
	A0000507	385865.83	324923.01	2.72	81.89	22.66	41.43	2.53
	A0000508	385941.39	324891.45	2.72	81.89	22.66	40.86	2.53
	A0000509	386016.96	324859.90	2.72	81.89	22.66	40.29	2.53
	A0000510	386090.75	324829.73	2.72	83.22	53.52	40.08	2.53
	A0000511	386140.23	324762.81	2.72	83.22	53.52	40.25	2.53
	A0000512	386189.71	324695.90	2.72	83.22	53.52	40.42	2.53
	A0000513	386239.18	324628.98	2.72	83.22	53.52	40.58	2.53
	A0000514	386288.66	324562.06	2.72	83.22	53.52	40.75	2.53
	A0000515	386338.14	324495.14	2.72	83.22	53.52	40.92	2.53
	A0000516	386387.62	324428.22	2.72	83.22	53.52	41.08	2.53
	A0000517	386437.09	324361.30	2.72	83.22	53.52	41.25	2.53
	A0000518	386486.57	324294.38	2.72	83.22	53.52	41.42	2.53
	A0000519	386536.05	324227.46	2.72	83.22	53.52	41.58	2.53
	A0000520	386585.52	324160.55	2.72	83.22	53.52	41.75	2.53
	A0000521	386635.00	324093.63	2.72	83.22	53.52	41.92	2.53
	A0000522	386684.44	324026.76	2.72	65.68	54.32	42.00	2.53



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Line Source ID	Area Source ID	X Coordinate [m]	Y Coordinate [m]	Release Height [m]	Length of Side [m]	Angle [deg]	Base Elevation [m]	Initial Sigma Z [m]
SCEN2	A0000523	386722.75	323973.41	2.72	65.68	54.32	42.00	2.53
	A0000524	386761.06	323920.06	2.72	65.68	54.32	42.00	2.53
	A0000525	386798.76	323867.95	2.72	71.22	73.17	42.13	2.53
	A0000526	386819.38	323799.78	2.72	71.22	73.17	42.38	2.53
	A0000527	386840.00	323731.61	2.72	71.22	73.17	42.63	2.53
	A0000528	386860.62	323663.44	2.72	71.22	73.17	42.88	2.53