

Air release points and emissions inventory

1 of 24

Main Objectives Environment Output Tables Reference

1. Add release point details in the top table
 2. In the lower table, select release point in the 1st column and fill in substance details
 Users inputs are shaded in light blue and dropdown menu in yellow.

User input

Formula/calculation

Dropdown menu

First < > Last Deposition Water Waste Visual Ozone Global Warming BAT-AEL Performance

Environmental Assessment

Add release point Delete selected row Copy selected row Paste row in selected location Clear the information of selected row

Release point code	Location or grid reference	Activity/Activities	Effective height (metres)	Dispersion factor (Long term)	Dispersion factor (short term)	Efflux velocity (m/s)	Total flow (m3/h)
1		630RHS	2	124.8	3236	36.9	169
2		AD410	2	124.8	3236	15.7	87
3		1015LHS	2	124.8	3236	21.3	150
4		630LHS	2	124.8	3236	24.6	125
5		1015RHS	2	124.8	3236	19.5	134

Add Substance Delete Selected Row

Release Point	Substance	Measurement method	Operating mode(%)	Long term conc (mg/m3)	Release rate g/s (long term)	Measurement basis (Long term)	Short term conc (mg/m3)	Release rate g/s (short term)	Measurement basis (short term)	Annual rate (t/yr)	Long term PC (ug/m3)	Short term PC (ug/m3)	Total Flow
1	Nitrogen Dioxide	Spot		4208	0.20		2104	0.10		0.00	0.00	0.00	169.00
1	Carbon monoxide (8h mean)	Spot		2926	0.14		2926	0.14		0.00	0.00	0.00	169.00
2	Nitrogen Dioxide	Spot		2738	0.07		1369	0.03		0.00	0.00	0.00	87.00
2	Carbon monoxide (8h mean)	Spot		962	0.02		962	0.02		0.00	0.00	0.00	87.00
3	Nitrogen Dioxide	Spot		447	0.02		224	0.01		0.00	0.00	0.00	150.00
3	Carbon monoxide (8h mean)	Spot		1919	0.08		1919	0.08		0.00	0.00	0.00	150.00
4	Nitrogen Dioxide	Spot		4593	0.16		2297	0.08		0.00	0.00	0.00	125.00
4	Carbon monoxide (8h mean)	Spot		2841	0.10		2841	0.10		0.00	0.00	0.00	125.00
5	Nitrogen Dioxide	Spot		470	0.02		235	0.01		0.00	0.00	0.00	134.00
5	Carbon monoxide (8h mean)	Spot		2105	0.08		2105	0.08		0.00	0.00	0.00	134.00

Environmental Assessment

Add release point Delete selected row Copy selected row Paste row in selected location Clear the information of selected row

Release point code	Location or grid reference	Activity/Activities	Effective height (metres)	Dispersion factor (Long term)	Dispersion factor (short term)	Efflux velocity (m/s)	Total flow (m3/h)
EMP 1	51-21-51.89 N, 2-56-1.12 W	Generator for Dryer	2	124.8	3236	36.9	169
EMP 2	51-21-50.94 N, 2-56-1.82 W	Generator for Shredder	2	124.8	3236	15.7	87
EMP 3	51-21-50.41 N, 2-55-59.28 W	Generator for Dry Separation Line	2	124.8	3236	21.3	150
EMP 4	51-21-52-N, 002-56-01-W	Dryer Stack	5	90	2240	146.419	0.18
EMP 5	51-21-52-N, 002-56-00-W	Generator for Wet Separation Line (shredder)	2	124.8	3236	36.9	169
EMP 6	51-21-53-N, 002-56-00-W	Generator for Wet Separation Line (mill)	2	124.8	3236	36.9	169

Add Substance Delete Selected Row

Release Point	Substance	Measurement method	Operating mode(%)	Long term conc (mg/m3)	Release rate g/s (long term)	Measurement basis (Long term)	Short term conc (mg/m3)	Release rate g/s (short term)	Measurement basis (short term)	Annual rate (t/yr)	Long term PC (ug/m3)	Short term PC (ug/m3)	Total Flow	
EMP 1	Nitrogen Dioxide		36%	4208	0.20	148	716	0.03		3900	2.24	8.88	0.00	169.00
EMP 1	Carbon monoxide (8h mean)		36%	2926	0.14	148	469	0.02		3900	1.56	6.17	0.00	169.00
EMP 2	Nitrogen Dioxide		36%	2738	0.07	148	237	0.01		3900	0.75	2.97	0.00	87.00
EMP 2	Carbon monoxide (8h mean)		36%	962	0.02	148	83	0.00		3900	0.26	1.04	0.00	87.00
EMP 3	Nitrogen Dioxide		36%	447	0.02	148	67	0.00		3900	0.21	0.84	0.00	150.00
EMP 3	Carbon monoxide (8h mean)		36%	1919	0.08	148	288	0.01		3900	0.91	3.59	0.00	150.00
EMP 4			36%		0.00			0.00			0.00	0.00	0.00	0.18
EMP 5	Nitrogen Dioxide		36%	4208	0.20	148	716	0.03		3900	2.24	8.88	0.00	169.00
EMP 5	Carbon monoxide (8h mean)		36%	2926	0.14	148	469	0.02		3900	1.56	6.17	0.00	169.00
EMP 6	Nitrogen Dioxide		36%	4208	0.20	148	716	0.03		3900	2.24	8.88	0.00	169.00
EMP 6	Carbon monoxide (8h mean)		36%	2926	0.14	148	469	0.02		3900	1.56	6.17	0.00	169.00