

Air release points and emissions inventory

1 of 24

Select a test to view

View Air Tests

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

Environmental Assessment

1

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)
Boiler Stack	Adjacent to boiler house and fuel silo	Combustion of timber off-cuts	6.5	72.6	1742	5	1500

3

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
Boiler Stack	Carbon monoxide (8h mean)	Estimated	90%	88.5	0.04	Hourly estimated rate x 0.59	150	0.06	Hourly rate (est)	1.05	2.41	76.21	1500.00
Boiler Stack	Particulates (PM10) (24 hr Mean)	Estimated	90%	35	0.01	Hourly estimated rate x 0.7	50	0.02	Hourly rate (est)	0.41	0.95	21.41	1500.00
Boiler Stack	Nitrogen Dioxide	Estimated	90%	200	0.08	100% of estimated hourly rate	100	0.04	50% of hourly rate	2.37	5.45	72.58	1500.00

