Air release points and emissions inventory	1 of 24		1. Add release point details in the top table	User input
Select a text to view		View Air Tests	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.	Formula/calculation Dropdown menu

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

Air impacts - Pollutants	1. Please click on the import button to import the pollutants and relevant information from the air release points tab.	User input
Select test to view		Formula/calculation
		Tests
	0	

Environmental Assessment

Number	Substance	Long term EAL (ug/m3)	Long term PC (ug/m3)	Long term modelled PC	Short term EAL (ug/m3)	Short term PC (ug/m3)	Short term modelle PC
1	Carbon monoxide (8h mean)	0	2.4094125		10000	76.2125	
2	Particulates (PM10) (24 hr Mean)	0	0.952875		50	21.41208333	4.72
3	Nitrogen Dioxide	40	5.45		200	72.58	9.

Air impacts - Test 1	7 of 24		Click on test 1 to run the test. If you change the	User input
Select test to view			information in the air release tab , please rerun the test.	Formula/calculation
				Tests

## Environmental Assessment

Number	Substance	Long term EAL (ug/m3)	Long term PC (ug/m3)	%PC of EAL (long term)	>1% of EAL? (long term)	Short term EAL (ug/m3)	Short term PC (ug/m3)	%PC of EAL (short term)	>10% of EAL? (short term)
1	Carbon monoxide (8h mean)	0	2.4094125			10000	76.2125		
2	Particulates (PM10) (24 hr Mean)	0	0.952875			50	4.725	9.45%	pass
3	Nitrogen Dioxide	40	5.445	13.61%	fail	200	9.53	4.77%	pass
0			0				0		
0			0				0		
0			0				0		
0			0				0		
0			0				0		
0			0				0		
0			0				0		
0			0				0		
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0			0				0		
0			0				0		
0			0				0		

Air impacts - Te	est 2	8 of 24			2. Click on Test	ickground concentration 2 to run the test. If the , tests 1 and 2 have to b	air release points	User input Formula/calcul Tests					
Environmental Assessment													
	Number	Substance	Long term EAL (ug/m3)	Long term PC (ug/m3)	Air Background conc (ug/m3)	%PC of headroom (long term)	PEC Long term (μg/m3)	%PEC of EAL% (Long term)	%PEC of EAL>70%? (long term)	Short term EAL (ug/m3)	Short term PC (ug/m3)	%PC of the EAL 2*background	%PC of headroom > 20%? (short term)
	3	Nitrogen Dioxide	40	5.445	15.93	23%	21.38	53.44%	pass	200	9.53	5.67%	pass

Deposition to land from air	9 of 24	Click on the deposition to land button to run the test
Select test to view		

## Environmental Assessment

Number	Substance	%PC of EAL (long term)	Insignificant?	Commentary
1	Carbon monoxide (8h mean)	0	Yes	
	Particulates (PM10) (24 hr Mean)	0	Yes	
3	Nitrogen Dioxide	0.136125	Yes	
(		0	Yes	
(		0	Yes	
(	)	0	Yes	
(		0	Yes	
	)	0	Yes	
			Yes	
(			Yes	
(			Yes	
(	)		Yes	
(			Yes	
(	)		Yes	
	)		Yes	
(	)		Yes	
	)		Yes	
(			Yes	
			Yes	
(			Yes	
(		0	Yes	