

EPA Application Form

7.4.2 Emissions to Atmosphere - Minor and Potential Emissions - Attachment

Organisation Name:

Connolly's REDMILLS

Application I.D.:

LA001443

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Authorisation Application Form

Amendments to this Application Form Attachment

Version No.	Date	Amendment since previous version	Reason
V.1.0	July 2017	N/A	Online application form attachment

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EMISSIONS TO ATMOSPHERE

Emissions to air/atmosphere include the following:

Main Emissions

Main emissions include all emissions of environmental significance. Where a **mass emission threshold** is specified in a BAT document (BAT Conclusions, National BAT note or BREF), emissions which exceed this threshold prior to abatement are regarded as significant, i.e., 'main emissions'. (In some cases emissions below the threshold can still be significant and qualify as Main Emissions).

Minor Emissions

Emissions below the mass emission threshold may be considered minor emissions and therefore do not generally need to be specifically controlled by the conditions or schedules of the licence (i.e., setting of ELVs, abatement control measures, or monitoring requirements). Emissions may also be deemed minor by virtue of their source/nature (e.g., laboratory fume hoods, workspace extractions, passive vents from storage tanks, HVAC exhausts), or composition (e.g., water vapour emissions).

For combustion plant such as boilers, these can be considered minor where the rated thermal input is < 1MW where natural gas is the main fuel, and for liquid and solid fuels where its < 250kW.

Fugitive Emissions

Fugitive emissions include emissions from non-point sources and diffuse sources.

Potential Emissions

These are emissions which only operate under abnormal process conditions. Typical examples include bursting discs, pressure relief valves, and emergency generators. Bypasses and flares may also fall within this category, depending on how they are operated or designed to operate. Although the Agency does not normally set controls in licences for potential emissions, it may do so for the purposes of environmental protection.

This attachment collects information on main and fugitive emissions to atmosphere. Waste gas means the final gaseous emission from a stack or abatement equipment.

For main and fugitive emissions to atmosphere, complete the separate 'Emissions to Atmosphere - Main and Fugitive Emissions' attachment.

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EMISSIONS TO ATMOSPHERE - Minor Emissions - one row per emission point

In completing this attachment for minor emissions, the applicant should supply sufficient information to justify the determination of the emission as minor. Notwithstanding the guidance provided on minor emissions, the Agency may consider any emission to be significant (i.e., a main emission) on the basis of environmental impact.

Complete the table below with summary details for all minor emission points to atmosphere.

Emission Point Code (1)	Easting (2)	Northing (3)	Description of source of emission(s)	Emission details (4)				Abatement system employed (if relevant)
				Parameter/ Material	mg/Nm ³⁽⁵⁾	kg/h	kg/year	
A3-1	667961	654312	Extruder Dryer / Cooler Vent	Hot Air	-	-	-	-
A3-2	667905	654288	Hot Air Vents	Hot Air	-	-	-	-
A3-3	667904	654290	Hot Air Vents	Hot Air	-	-	-	-
A3-4	667903	654288	Carryover Vent	Product for Reuse	-	-	-	-
A3-5	667959	654495	Hot Air Vents	Hot Air	-	-	-	-
A3-6	667965	654501	Hot Air Vents	Hot Air	-	-	-	-
A3-7	667957	654491	Hot Air Vents	Hot Air	-	-	-	-
A3-8	667961	654501	Hot Air Vents	Hot Air	-	-	-	-
A3-9	667972	654593	Coarse Rubble Vent	Coarse Rubble	-	-	-	-
A3-10	667972	654577	Fine Rubble Vent	Fine Rubble	-	-	-	-
A3-11	667959	654465	Hot Air Fan Exhaust	Hot Air Vents	-	-	-	-
A3-12	667961	654461	Hot Air Fan Exhaust	Hot Air Vents	-	-	-	-
A3-13	667957	654470	Hot Air Fan Exhaust	Hot Air Vents	-	-	-	-

(1) The following convention should be observed when labelling minor atmospheric emission points:
A3-1, A3-2, A3-3,...etc.

(2) Six Digit GPS Irish National Grid Reference.

(3) Six Digit GPS Irish National Grid Reference.

(4) The maximum emission should be stated for each parameter emitted; the concentration should be based on the maximum 30 minute mean and must be the **PRE-ABATEMENT** level.

(5) Concentrations should be based on Normal conditions of temperature and pressure, (i.e. 0oC/101.3kPa). Wet/dry should be clearly stated. Include reference oxygen conditions for combustion sources.



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Emission Point Code (1)	Easting (2)	Northing (3)	Description of source of emission(s)	Emission details (4)			Abatement system employed (if relevant)	
				Parameter/ Material	mg/Nm ³⁽⁵⁾	kg/h		kg/year
A3-14	667950	654474	Coarse Rubble	Coarse Fines & Rubble	-	-	-	-
A3-15	668004	654433	Laboratory Fume Hood	Minor Chemical	-	-	-	Filters
A3-16	668011	654430	Laboratory Fume Hood	Minor Chemical	-	-	-	Filters

*add rows to the table as necessary

Note: Map(s)/drawing(s) uploaded under 'Site Plans' in Tab 3 of the application form should identify the emission and monitoring points.

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EMISSIONS TO ATMOSPHERE – Potential Emissions to Atmosphere

Potential emissions are emissions that are not active under normal operation and would include by-passes or pressure relief valves.

Complete the table below with summary details of all potential emissions to atmosphere

Emission Point Code ⁶	Description of source of emission	Malfunction which could cause an emission	Emission details (Potential max. emissions) ⁽⁷⁾		
			Parameter/Material	mg/Nm ³	kg/hour

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*add rows to the table as necessary

⁶ The following convention should be observed when labelling potential atmospheric emission points:
A4-1, A4-2, A4-3,...etc.

⁷ Estimate the potential maximum emission for each malfunction identified.