



F & R Cawley Limited

Part B4 – Section 2 – Table 2 Emissions

The following table summarises the proposed compliance limits for point source emissions to air from the lithium battery recycling plant.

Emission Point Reference and Location: Stack 1 – TL 06859 22997

Source: Battery Shredder

Parameter	Quantity	Unit
Copper	0.01	mg/m ³
Cobalt	0.1	mg/m ³
Manganese	0.002	mg/m ³
Nickel	0.004	mg/m ³
Lithium	1	mg/m³
Iron	1	mg/m³
Aluminum	1	mg/m³
Phosphorus (particulates only)	0.005	mg/m³
Sum of VOCs (dimethyl carbonate, ethylene carbonate, propylene carbonate, diethyl carbonate)	450	mg/m³

The maximum concentrations for copper, manganese, nickel, phosphorus (particulates), rubber fume (as benzene) and sum of VOCs (as diethylketone) have been justified using the H1 risk assessment tool. The H1 Assessment has been undertaken as per the justifications and assumptions detailed in document Part B2 – Section 6 (ii) ERA – Aire Emissions. Copies of the input and output data are appended.

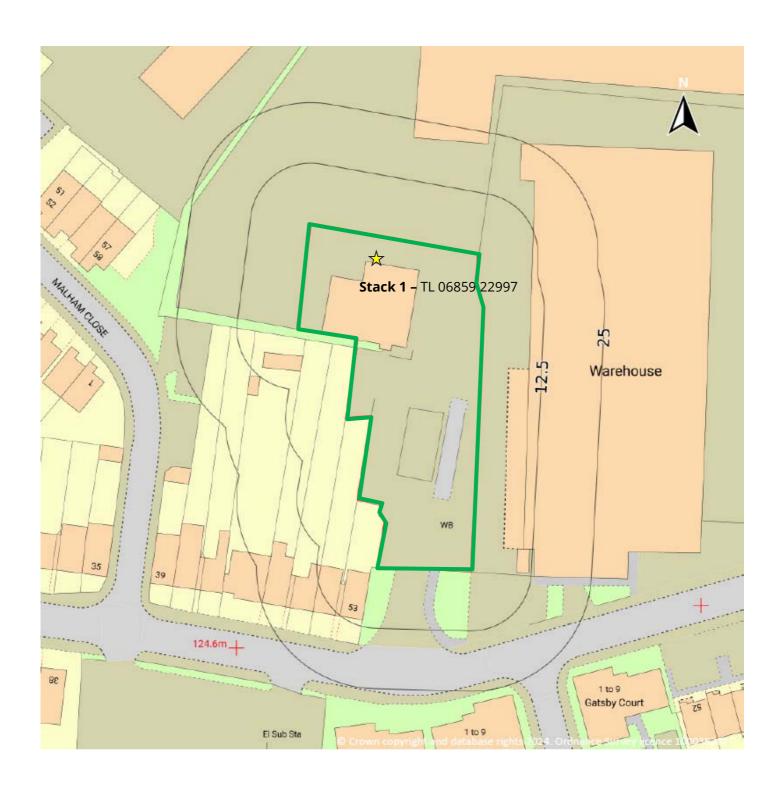
In the absence of Environment Assessment Levels, the maximum concentrations for cobalt, lithium, iron and aluminium have been set using Health and Safety Executive (HSE) Occupational Exposure Limits (OELs) as a guide.





Appendices

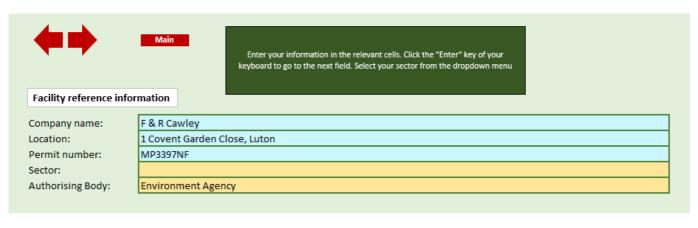
Appendix I – Site Plan







Appendix II - H1 Assessment



Describe the objectives					Main	Objecti	ves	Environment Assessment Home	Output Tables	Reference Information		
Depending on the reason for the assessment you will need to complete different parts of the tools												
			Select the type of assessment:									
	Environmental assessment of the emissions from the Local Exhaust Vent (Stack 1) associated with battery stern									Env A Y		
			Air	Water	Energy	Raw mate	rials W	aste	1			
			Yes	No	No	No	No					
Act	tivities	, Shreddin	Please se		menus al	e releases in bove	the drope	down				
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	4 5					Assess	ment					
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