

Appendix 3 – East Devon District Council Industrial Screening Tool Results Part A Processes.

Howlet Ltd - PM₁₀ Results

Tool for PM ₁₀ from discharges < 10m high or fugitive sources	Additional Comments/Information
TG03 Figure Ref: 8.7 The emissions of PM ₁₀ in tonnes per annum are calculated at your given distance from the stack that give rise to a maximum annual mean concentration less than 1 µg/m ³	Howmet Ltd 0.5 tonnes per year emitted
<p>Enter required information in Yellow Cells Resulting Emission in Red Bold</p> <p>Distance from nearest sensitive receptor <input style="background-color: yellow;" type="text" value="400"/> m</p> <p>Discharge height <input style="background-color: yellow;" type="text" value="8.3"/> m</p> <p>PM₁₀ Background concentration (include roadside contribution at relevant receptors) <input style="background-color: yellow;" type="text" value="19.3"/> µg/m³</p> <p>Objective year (2004 or 2010) <input style="background-color: yellow;" type="text" value="2010"/></p> <p>Location (UK, London, Scotland) <input style="background-color: yellow;" type="text" value="UK"/></p> <p>Maximum Emission Rate <input style="background-color: yellow;" type="text" value="1.619"/> tonnes per annum</p>	No further assessment required

Exeter Power - NO₂ Results

Tool for Nitrogen Dioxide from stacks > 10m high	Additional Comments/Information
TG03 Figure Ref: 6.1 The emissions of NO _x in tonnes per annum are calculated for your given stack details that would results in 99.8 th percentile of hourly mean ground level NO ₂ concentrations less than 40 µg/m ³	Exeter Power 57.4 tonnes per year emitted
<p>Enter required information in Yellow Cells Resulting Emission in Red Bold</p> <p>Diameter <input style="background-color: yellow;" type="text" value="3.9"/> m</p> <p>Stack height <input style="background-color: yellow;" type="text" value="18"/> m</p> <p>Building height <input style="background-color: yellow;" type="text" value=""/> m</p> <p>99.8 th percentile total oxidant (NO₂+O₃) <input style="background-color: yellow;" type="text" value="150"/> µg/m³</p> <p>Calculated Effective stack height <input style="background-color: yellow;" type="text" value="18.0"/> m</p> <p>Maximum Emission Rate <input style="background-color: yellow;" type="text" value="1776"/> tonnes per annum</p>	no further assessment required

Exeter Power - CO Results

Tool for Carbon Monoxide from stacks > 10m high		Additional Comments/Information
TG03 Figure Ref: None		Exeter Power
The emissions of CO in tonnes per annum are calculated for your given stack details that would result in a maximum 8-hour mean ground level concentrations less than 1 mg/m ³		< 10 tonnes per year emitted
Enter required information in Yellow Cells Resulting Emission in Red Bold		no further assessment required
Diameter	<input type="text" value="5.1"/> m	
Stack height	<input type="text" value="18"/> m	
Building height	<input type="text"/>	
Calculated Effective stack height	<input type="text" value="18"/> m	
Maximum Emission Rate	<input type="text" value="1740"/> tonnes per annum	

Southwest Metal Finishing - NO₂ Results

Tool for Nitrogen Dioxide from stacks > 10m high		Additional Comments/Information
TG03 Figure Ref: 6.2		Southwest Metal Finishing
The emissions of NO _x in tonnes per annum are calculated for your given stack details that would result in a maximum annual mean ground level NO ₂ concentrations less than 1 µg/m ³		< 10 tonnes per year emitted
Enter required information in Yellow Cells Resulting Emission in Red Bold		no further assessment required
Diameter	<input type="text" value="0.5"/> m	
Stack height	<input type="text" value="10"/> m	
Building height	<input type="text"/>	
NO ₂ Background concentration (include roadside contribution at relevant receptors)	<input type="text" value="20"/> µg/m ³	
Calculated Effective stack height	<input type="text" value="10"/> m	
Maximum Emission Rate	<input type="text" value="18"/> tonnes per annum	