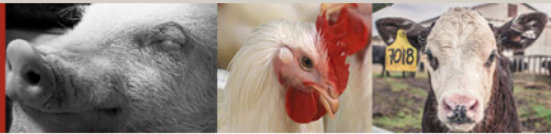


SCAIL

Simple Calculation of Atmospheric Impact Limits



[Scail Home](#) | [User Guide](#) | [SCAIL-Agriculture Report](#) | [Regulator Contact Details](#) | [Contact Us](#) | [Online Tutorial](#)

We have made a number of improvements to the SCAIL for agriculture tool. We have added cattle as a livestock option to cover their emissions. These are set out for housing, landspreading, manure/slurry storage, grazing and outdoor yards. Users can also add their own emissions. The layout should be simpler to use with larger font and input boxes. If you experience any issues then please [Contact Us](#)

Simple Calculation of Atmospheric Impact Limits from Agricultural Sources (SCAIL-Agriculture) is a screening tool for assessing the impact from pig and poultry farms on human health and on semi-natural areas like SSSIs and SACs. The model provides an estimate of the amount of acidity and nitrogen deposited from a farm as well as predictions of air concentrations of odour and PM10. These values can then be used to assess whether impact limits for human health or habitats are exceeded or not.

Information regarding the use of SCAIL-Agriculture as a screening tool and instructions for completing the assessment form are provided in the SCAIL-Agriculture User Guide. The User Guide also contains background information on regulatory requirements for the use of SCAIL-Agriculture, including instances where further detailed modelling of emissions will be required. **The relevant regulatory authority should be consulted for guidance regarding assessment requirements for planning and permitting purposes.**

[LOAD INPUT DATA](#) ?

Project Details	
Project Notes ?	Watts
Project Run Mode ?	☒ Conservative Met ☐ Realistic Met
Location Details	
Select Country ?	England
Installation Details	
Installation ?	1
Installation Name ?	Watts
Installation Location ?	515197,316862 ☐ Landranger ☒ x,y CHOOSE/VERIFY LOCATION ?
Source Details	
Source ?	1 x
Source ?	☐ Pig ☒ Poultry ☐ Cattle ☐ User defined emissions
New or Existing Source ?	New
Source Name ?	Watts

Source Name [?](#)

Source Location [?](#) Provides a link to GoogleMaps to check the location.
 ☐ Landranger ☒ x,y
 [?](#)

Source Type [?](#)

Type [?](#)

Details [?](#)

Livestock Number [?](#)

Housing Floor Area [?](#) m²

Naturally Vented ☐

Building Height m

Fan Location [?](#)

No. of Fans (optional) [?](#)

Fan Diameter [?](#) m

Fan Flowrate [?](#) m³/s

Total emissions : [?](#)

Pollutant	Source Emissions	Running total of all emission sources	Units
NH ₃ :	2560	2560	(kg)
PM ₁₀ :	1056	1056	(kg)
Odour:	1412812800	1412812800	(kOu)

[?](#)

Designated Site details:

Search Radius [?](#) km [?](#)

No. of Designated Sites [?](#) 8 found [?](#)

Site No.	Name	Distance(km)	Designation	Easting	Northing
1	Baston and Thurlby Fens	0.992	SSSI	514545	317610
2	Baston Fen	0.996	SAC	514546	317615
3	Cross Drain	1.73	SSSI	514953	315149
4	Math & Elsea Wood	5.254	SSSI	510090	318096
5	Dole Wood	5.921	SSSI	509322	316123
6	Langtoft Gravel Pits	6.594	SSSI	511582	311346
7	Deeping Gravel Pits	8.551	SSSI	518165	308842
8	Cowbit Wash	8.941	SSSI	523886	318967

User specified site

Site Name

Site Location ☐ Landranger ☒ x,y
 [?](#)

Habitat within site [?](#)

Human Health Receptor Details

Receptor PM₁₀ percentile [?](#)

Receptor Name

Receptor Location ☐ Landranger ☒ x,y
 [?](#)

[?](#)