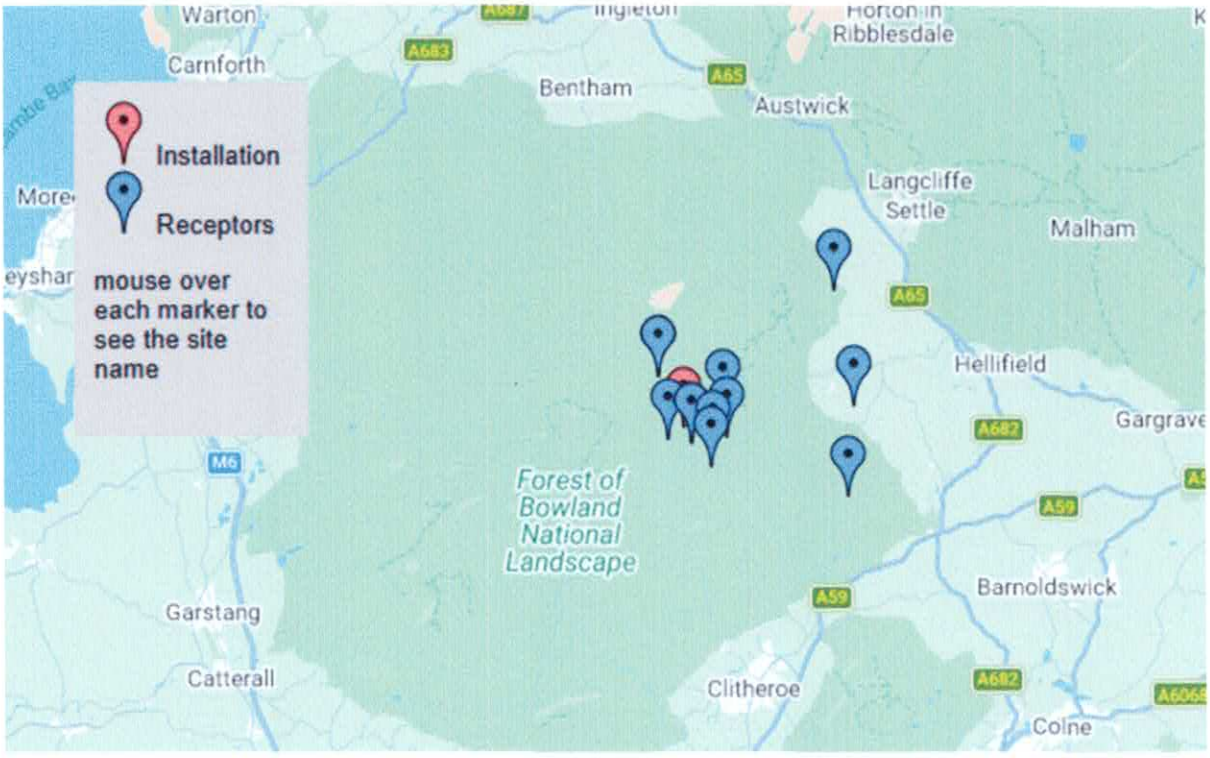
SCAIL ASSESSMENT – Woodhouse Gate Farm



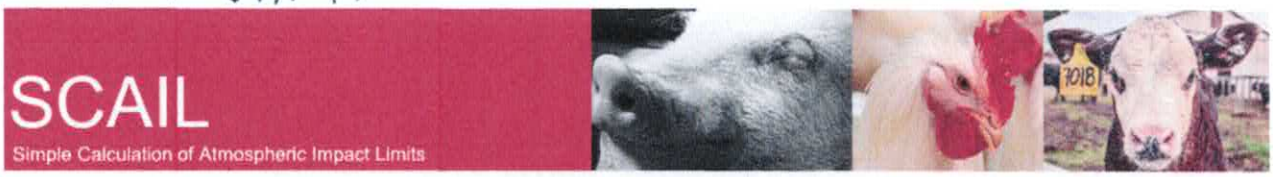
The slurry lagoon will provide storage of cattle slurry for 200 days. There is no increase in stock numbers.

SCAIL input data is provided as Appendix A

Results are shown as Appendix B

Results data is attached separately as an Excel csv file

The results show there will be no significant effect on the protected sites.



NOTICES

November 6th 2025 Since 15th May 2023, SCAIL was wrongfully using combustion meteorological output files, instead of agriculture meteorological output files, for **Welsh met sites only**. Whilst wind paremeters and met station location are unaffected some land use parameters have been updated which lead to higher modelled concentrations. This has been corrected today. We apologize for the issue, and advise to rerun affected cases.

September 9th 2025: SCAIL background pollution maps for **Ireland** have been updated to the the **year 2021** in line with current APIS (see announcement).

Notice Archive

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 heath 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: Woodhouse Gate Slurry Lagoon

Project Run Mode: ○ Hybrid Met ◉ Conservative Met ○ Realistic Met

Location Details

Select Country: England

Installation Details

Installation: 1

Installation Name: Slurry Lagoon

Installation Location: 371242,453701 ○ Landranger ◉ x,y

CHOOSE/VERIFY LOCATION

Source Details

Source: 1

Source: ○ Pig ○ Poultry ◉ Cattle ○ User defined emissions

New or Existing Source: New

Source Name: Slurry Lagoon

Source Location: Provides a link to GoogleMaps to check the location.

371242,453701 ○ Landranger ◉ x,y

VERIFY LOCATION

Source Type: Litter / Manure storage

Type: Slurry storage

Details: Tank - with floating cover

Tonnes Fresh Manure (t): 1765

Area of Storage (m2): 750

Number of storage days/year: 200

Total emissions :

Pollutant	Source Emissions	Running total of all emission sources	Units
NH_3:	300	0	(kg)
PM_{10}:	0	0	(kg)
Odour:	0	0	(kOu)

GET EMISSIONS VALUES

Designated Site details:

Search Radius 10 km RUN RECEPTOR SEARCH

No. of Designated Sites 12 found VERIFY RECEPTOR LOCATIONS

Site No.	Name	Distance(km)	Designation	Country	Easting	Northing
1	North Pennine Dales Meadows	0.798	SAC	ENGLAND	371608	452992
2	Bell Sykes Meadows	0.798	SSSI	ENGLAND	371608	452992
3	Myttons Meadows	0.933	SSSI	ENGLAND	370497	453139
4	Field Head Meadow	1.705	SSSI	ENGLAND	372557	452616
5	Barn Gill Meadow	1.984	SSSI	ENGLAND	373035	454550
6	Standridge Farm Pasture	2.001	SSSI	ENGLAND	373199	453284
7	Langcliff Cross Meadow	2.204	SSSI	ENGLAND	372475	451874
8	Bowland Fells	2.599	SPA	ENGLAND	370093	456032
9	Bowland Fells	2.599	SSSI	ENGLAND	370093	456032
10	White Moss	7.876	SSSI	ENGLAND	379057	454677
11	New Ing Meadow	8.148	SSSI	ENGLAND	378755	450547
12	Hesley Moss	9.358	SSSI	ENGLAND	378169	459993

User specified site Select Add site

Site Name

Site Location Landranger x,y

VERIFY LOCATION

Habitat within site please select... CHECK BACKGROUND LEVELS

Human Health Receptor Details

Receptor Select Add Receptor PM_{10} percentile Annual mean

Receptor Name

Receptor Location Landranger x,y

VERIFY LOCATION

CHECK BACKGROUND PM10 LEVELS

SAVE INPUT DATA CLEAR FORM CALCULATE

Results

Scail Home | User Guide | SCAIL-Agriculture Report | SEPA/EA/NIEA/EPA Contact Details | Online Tutorial

Content Specific Help Text

Site Information North Pennine Dales Meadows (SAC)

Country:	ENGLAND
Site Name:	North Pennine Dales Meadows
Site Code:	UK0014775
Designation Status:	SAC
Distance from Installation (m):	798
Receptor Type:	Habitat
Grid Reference:	371608,452992
Met Site:	HIGH
Run Mode:	Conservative
PM_{10} Percentile:	Average

Installation Information

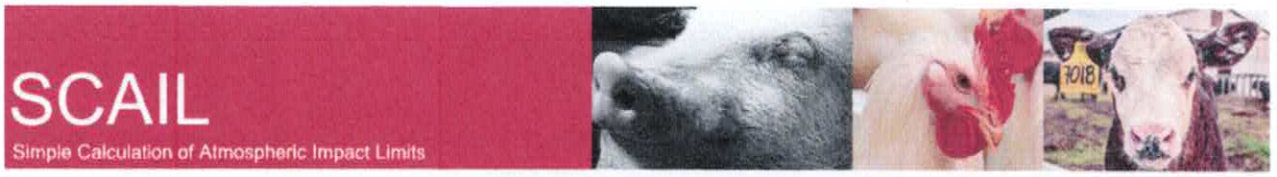
No.	Name	No. of sources	No. of new sources	PM_{10} (t/a)	NH_3 (t/a)	Odour (kOu/a)	Conc NH_3 (µg/m3)	Dep N (kg/ha/yr)	Dep Acid (kEq H+/ha/yr)	Conc PM_{10} (µg/m3)	Conc Odour (Ou/m3)
1	Slurry Lagoon	1	1	-	0.30	-	0.14	0.74	0.05	-	-

Total Depositions/Concentrations and Exceedances

Concentrations/Depositions and Critical Loads/Levels	NH_3 (µg/m3)	N Dep. (kg N/ha/yr)	Acid Dep. (kEq H+/ha/yr)	PM_{10} (µg/m3)	Odour (Ou/m3)
Process Contribution (PC) at receptor edge	0.14291	0.74	0.053	-	-
Background concentration at receptor edge	1.38	21.14	1.739 (N: 1.510|S: 0.229)	-	-
Predicted Environmental Concentration/Deposition (PEC)	1.52	21.88	1.79	-	-
Environmental Assessment Level or Critical Load / Level	Lower: 1 Upper: 3	5.0 Limestone pavements	maxN: 4.856 maxS: 4.000 minN: 0.856 Limestone pavements	-	-
		ALTERNATIVE CRITICAL LOAD INFO			
USE OWN THRESHOLDS?					
% of relevant standard PC	Lower: 14% Upper: 5%	15%	1.09%	-	-
% of relevant standard PEC	Lower: 152% Upper: 51%	438%	36%	-	-
EXCEEDANCE	Lower: 0.52 Upper: No exceedance	16.88	-3.06	-	-

Project Notes

Woodhouse Gate Slurry Lagoon



Results

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Content Specific Help Text

Site Information Bell Sykes Meadows (SSSI)

Country:	ENGLAND
Site Name:	Bell Sykes Meadows
Site Code:	2000350
Designation Status:	SSSI
Distance from Installation (m):	798
Receptor Type:	Habitat
Grid Reference:	371608,452992
Met Site:	HIGH
Run Mode:	Conservative
PM_{10} Percentile:	Average

Installation Information

No.	Name	No. of sources	No. of new sources	PM_{10} (t/a)	NH_3 (t/a)	Odour (kOu/a)	Conc NH_3 (µg/m3)	Dep N (kg/ha/yr)	Dep Acid (kEq H+/ha/yr)	Conc PM_{10} (µg/m3)	Conc Odour (Ou/m3)
1	Slurry Lagoon	1	1	-	0.30	-	0.14	0.74	0.05	-	-

Total Depositions/Concentrations and Exceedances

Concentrations/Depositions and Critical Loads/Levels	**NH_3 (µg/m3)**	**N Dep. (kg N/ha/yr)**	**Acid Dep. (kEq H+/ha/yr)**	**PM_{10} (µg/m3)**	**Odour (Ou/m3)**
Process Contribution (PC) at receptor edge	0.14291	0.74	0.053	-	-
Background concentration at receptor edge	1.38	21.14	1.739 (N: 1.510|S: 0.229)	-	-
Predicted Environmental Concentration/Deposition (PEC)	1.52	21.88	1.79	-	-
Environmental Assessment Level or Critical Load / Level	Lower: 1 Upper: 3	10.0 Alopecurus pratensis - Sanguisorba officinalis Grassland	maxN: 5.071 maxS: 4.000 minN: 1.071 Alopecurus pratensis - Sanguisorba officinalis Grassland	-	-
		ALTERNATIVE CRITICAL LOAD INFO			
USE OWN THRESHOLDS?					
% of relevant standard PC	Lower: 14% Upper: 5%	7%	1.05%	-	-
% of relevant standard PEC	Lower: 152% Upper: 51%	219%	35%	-	-
EXCEEDANCE	Lower: 0.52 Upper: No exceedance	11.88	-3.28	-	-

Project Notes

Woodhouse Gate Slurry Lagoon

SCAIL
Simple Calculation of Atmospheric Impact Limits

Results

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Content Specific Help Text

Site Information Myttons Meadows (SSSI)

Country:	ENGLAND
Site Name:	Myttons Meadows
Site Code:	1002614
Designation Status:	SSSI
Distance from Installation (m):	933
Receptor Type:	Habitat
Grid Reference:	370497,453139
Met Site:	HIGH
Run Mode:	Conservative
PM_{10} Percentile:	Average

Installation Information

No.	Name	No. of sources	No. of new sources	PM_{10} (t/a)	NH_3 (t/a)	Odour (kOu/a)	Conc NH_3 (µg/m3)	Dep N (kg/ha/yr)	Dep Acid (kEq H+/ha/yr)	Conc PM_{10} (µg/m3)	Conc Odour (Ou/m3)
1	Slurry Lagoon	1	1	-	0.30	-	0.11	0.57	0.038	-	-

Total Depositions/Concentrations and Exceedances

Concentrations/Depositions and Critical Loads/Levels	NH_3 (µg/m3)	N Dep. (kg N/ha/yr)	Acid Dep. (kEq H+/ha/yr)	PM_{10} (µg/m3)	Odour (Ou/m3)
Process Contribution (PC) at receptor edge	0.10980	0.57	0.041	-	-
Background concentration at receptor edge	1.33	21.40	1.768 (N: 1.529|S: 0.239)	-	-
Predicted Environmental Concentration/Deposition (PEC)	1.44	21.97	1.81	-	-
Environmental Assessment Level or Critical Load / Level	Lower: 1 Upper: 3	10.0 Anthoxanthum odoratum - Geranium sylvaticum Grassland	maxN: 5.071 maxS: 4.000 minN: 1.071 Anthoxanthum odoratum - Geranium sylvaticum Grassland	-	-
		ALTERNATIVE CRITICAL LOAD INFO			
USE OWN THRESHOLDS?					
% of relevant standard PC	Lower: 11% Upper: 4%	6%	0.81%	-	-
% of relevant standard PEC	Lower: 144% Upper: 48%	220%	36%	-	-
EXCEEDANCE	Lower: 0.44 Upper: No exceedance	11.97	-3.26	-	-

Project Notes

Results

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Content Specific Help Text

Site Information Field Head Meadow (SSSI)

Country:	ENGLAND
Site Name:	Field Head Meadow
Site Code:	2000349
Designation Status:	SSSI
Distance from Installation (m):	1705
Receptor Type:	Habitat
Grid Reference:	372557,452616
Met Site:	HIGH
Run Mode:	Conservative
PM_{10} Percentile:	Average

Installation Information

No.	Name	No. of sources	No. of new sources	PM_{10} (t/a)	NH_3 (t/a)	Odour (kOu/a)	Conc NH_3 (µg/m3)	Dep N (kg/ha/yr)	Dep Acid (kEq H+/ha/yr)	Conc PM_{10} (µg/m3)	Conc Odour (Ou/m3)
1	Slurry Lagoon	1	1	-	0.30	-	0.04	0.21	0.014	-	-

Total Depositions/Concentrations and Exceedances

Concentrations/Depositions and Critical Loads/Levels	NH_3 (µg/m3)	N Dep. (kg N/ha/yr)	Acid Dep. (kEq H+/ha/yr)	PM_{10} (µg/m3)	Odour (Ou/m3)
Process Contribution (PC) at receptor edge	0.04030	0.21	0.015	-	-
Background concentration at receptor edge	1.40	21.05	1.728 (N: 1.504|S: 0.225)	-	-
Predicted Environmental Concentration/Deposition (PEC)	1.44	21.26	1.74	-	-
Environmental Assessment Level or Critical Load / Level	Lower: 1 Upper: 3	10.0 Anthoxanthum odoratum - Geranium sylvaticum Grassland	maxN: 5.071 maxS: 4.000 minN: 1.071 Anthoxanthum odoratum - Geranium sylvaticum Grassland	-	-
		ALTERNATIVE CRITICAL LOAD INFO			
USE OWN THRESHOLDS?					
% of relevant standard PC	Lower: 4% Upper: 1%	2%	0.30%	-	-
% of relevant standard PEC	Lower: 144% Upper: 48%	213%	35%	-	-
EXCEEDANCE	Lower: 0.44 Upper: No exceedance	11.26	-3.33	-	-

Project Notes

Results

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Content Specific Help Text

Site Information Barn Gill Meadow (SSSI)

Country:	ENGLAND
Site Name:	Barn Gill Meadow
Site Code:	2000039
Designation Status:	SSSI
Distance from Installation (m):	1984
Receptor Type:	Habitat
Grid Reference:	373035,454550
Met Site:	HIGH
Run Mode:	Conservative
PM_{10} Percentile:	Average

Installation Information

No.	Name	No. of sources	No. of new sources	PM_{10} (t/a)	NH_3 (t/a)	Odour (kOu/a)	Conc NH_3 (µg/m3)	Dep N (kg/ha/yr)	Dep Acid (kEq H+/ha/yr)	Conc PM_{10} (µg/m3)	Conc Odour (Ou/m3)
1	Slurry Lagoon	1	1	-	0.30	-	0.03	0.16	0.011	-	-

Total Depositions/Concentrations and Exceedances

Concentrations/Depositions and Critical Loads/Levels	NH_3 (µg/m3)	N Dep. (kg N/ha/yr)	Acid Dep. (kEq H+/ha/yr)	PM_{10} (µg/m3)	Odour (Ou/m3)
Process Contribution (PC) at receptor edge	0.03139	0.16	0.011	-	-
Background concentration at receptor edge	1.29	21.12	1.737 (N: 1.509|S: 0.229)	-	-
Predicted Environmental Concentration/Deposition (PEC)	1.32	21.28	1.75	-	-
Environmental Assessment Level or Critical Load / Level	Lower: 1 Upper: 3	10.0 Alopecurus pratensis - Sanguisorba officinalis Grassland	maxN: 5.071 maxS: 4.000 minN: 1.071 Alopecurus pratensis - Sanguisorba officinalis Grassland	-	-
		ALTERNATIVE CRITICAL LOAD INFO			
USE OWN THRESHOLDS?					
% of relevant standard PC	Lower: 3% Upper: 1%	2%	0.22%	-	-
% of relevant standard PEC	Lower: 132% Upper: 44%	213%	35%	-	-
EXCEEDANCE	Lower: 0.32 Upper: No exceedance	11.28	-3.32	-	-

Project Notes

Woodhouse Gate Slurry Lagoon

Results

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Content Specific Help Text

Site Information Standridge Farm Pasture (SSSI)

Country:	ENGLAND
Site Name:	Standridge Farm Pasture
Site Code:	2000206
Designation Status:	SSSI
Distance from Installation (m):	2001
Receptor Type:	Habitat
Grid Reference:	373199,453284
Met Site:	HIGH
Run Mode:	Conservative
PM_{10} Percentile:	Average

Installation Information

No.	Name	No. of sources	No. of new sources	PM_{10} (t/a)	NH_3 (t/a)	Odour (kOu/a)	Conc NH_3 (µg/m3)	Dep N (kg/ha/yr)	Dep Acid (kEq H+/ha/yr)	Conc PM_{10} (µg/m3)	Conc Odour (Ou/m3)
1	Slurry Lagoon	1	1	-	0.30	-	0.03	0.16	0.011	-	-

Total Depositions/Concentrations and Exceedances

Concentrations/Depositions and Critical Loads/Levels	NH_3 (µg/m3)	N Dep. (kg N/ha/yr)	Acid Dep. (kEq H+/ha/yr)	PM_{10} (µg/m3)	Odour (Ou/m3)
Process Contribution (PC) at receptor edge	0.03094	0.16	0.011	-	-
Background concentration at receptor edge	1.37	20.96	1.720 (N: 1.497|S: 0.223)	-	-
Predicted Environmental Concentration/Deposition (PEC)	1.4	21.12	1.73	-	-
Environmental Assessment Level or Critical Load / Level	Lower: 1 Upper: 3	10.0 Anthoxanthum odoratum - Geranium sylvaticum Grassland	maxN: 5.214 maxS: 4.000 minN: 1.214 Anthoxanthum odoratum - Geranium sylvaticum Grassland	-	-
		ALTERNATIVE CRITICAL LOAD INFO			
USE OWN THRESHOLDS?					
% of relevant standard PC	Lower: 3% Upper: 1%	2%	0.21%	-	-
% of relevant standard PEC	Lower: 140% Upper: 47%	211%	33%	-	-
EXCEEDANCE	Lower: 0.40 Upper: No exceedance	11.12	-3.48	-	-

Project Notes

Results

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Content Specific Help Text

Site Information Langcliff Cross Meadow (SSSI)

Country:	ENGLAND
Site Name:	Langcliff Cross Meadow
Site Code:	1003896
Designation Status:	SSSI
Distance from Installation (m):	2204
Receptor Type:	Habitat
Grid Reference:	372475,451874
Met Site:	HIGH
Run Mode:	Conservative
PM_{10} Percentile:	Average

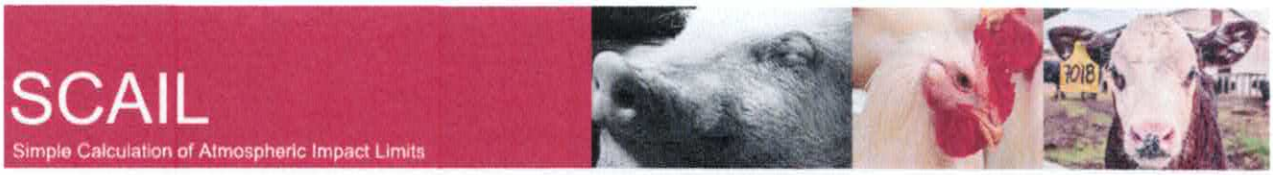
Installation Information

No.	Name	No. of sources	No. of new sources	PM_{10} (t/a)	NH_3 (t/a)	Odour (kOu/a)	Conc NH_3 (µg/m3)	Dep N (kg/ha/yr)	Dep Acid (kEq H+/ha/yr)	Conc PM_{10} (µg/m3)	Conc Odour (Ou/m3)
1	Slurry Lagoon	1	1	-	0.30	-	0.03	0.14	0.009	-	-

Total Depositions/Concentrations and Exceedances

Concentrations/Depositions and Critical Loads/Levels	**NH_3 (µg/m3)**	**N Dep. (kg N/ha/yr)**	**Acid Dep. (kEq H+/ha/yr)**	**PM_{10} (µg/m3)**	**Odour (Ou/m3)**
Process Contribution (PC) at receptor edge	0.02636	0.14	0.010	-	-
Background concentration at receptor edge	1.33	21.50	1.765 (N: 1.536|S: 0.229)	-	-
Predicted Environmental Concentration/Deposition (PEC)	1.36	21.64	1.78	-	-
Environmental Assessment Level or Critical Load / Level	Lower: 1 Upper: 3	10.0 Anthoxanthum odoratum - Geranium sylvaticum Grassland	maxN: 5.071 maxS: 4.000 minN: 1.071 Anthoxanthum odoratum - Geranium sylvaticum Grassland	-	-
		ALTERNATIVE CRITICAL LOAD INFO			
USE OWN THRESHOLDS?					
% of relevant standard PC	Lower: 3% Upper: 1%	1%	0.20%	-	-
% of relevant standard PEC	Lower: 136% Upper: 45%	216%	35%	-	-
EXCEEDANCE	Lower: 0.36 Upper: No exceedance	11.64	-3.30	-	-

Project Notes



Results

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Content Specific Help Text

Site Information Bowland Fells (SPA)

Country:	ENGLAND
Site Name:	Bowland Fells
Site Code:	UK9005151
Designation Status:	SPA
Distance from Installation (m):	2599
Receptor Type:	Habitat
Grid Reference:	370093,456032
Met Site:	HIGH
Run Mode:	Conservative
PM_{10} Percentile:	Average

Installation Information

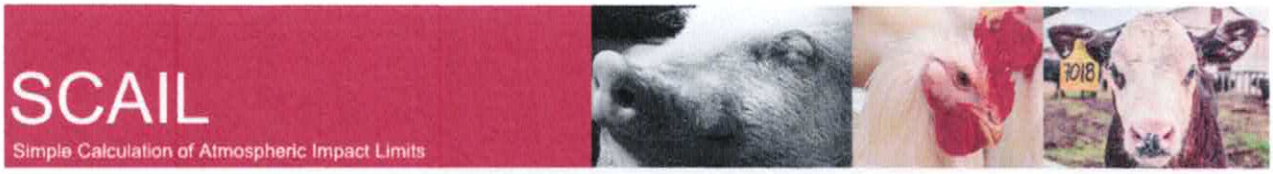
No.	Name	No. of sources	No. of new sources	PM_{10} (t/a)	NH_3 (t/a)	Odour (kOu/a)	Conc NH_3 (µg/m3)	Dep N (kg/ha/yr)	Dep Acid (kEq H+/ha/yr)	Conc PM_{10} (µg/m3)	Conc Odour (Ou/m3)
1	Slurry Lagoon	1	1	-	0.30	-	0.02	0.1	0.007	-	-

Total Depositions/Concentrations and Exceedances

Concentrations/Depositions and Critical Loads/Levels	NH_3 (µg/m3)	N Dep. (kg N/ha/yr)	Acid Dep. (kEq H+/ha/yr)	PM_{10} (µg/m3)	Odour (Ou/m3)
Process Contribution (PC) at receptor edge	0.02011	0.10	0.007	-	-
Background concentration at receptor edge	1.12	21.95	1.825 (N: 1.568|S: 0.257)	-	-
Predicted Environmental Concentration/Deposition (PEC)	1.14	22.05	1.83	-	-
Environmental Assessment Level or Critical Load / Level	Lower: 1 Upper: 3	5.0 Circus cyaneus ALTERNATIVE CRITICAL LOAD INFO	maxN: 0.822 maxS: 0.180 minN: 0.642 Circus cyaneus	-	-
USE OWN THRESHOLDS?					
% of relevant standard PC	Lower: 2% Upper: 1%	2%	0.85%	-	-
% of relevant standard PEC	Lower: 114% Upper: 38%	441%	224%	-	-
EXCEEDANCE	Lower: 0.14 Upper: No exceedance	17.05	1.01	-	-

Project Notes

Woodhouse Gate Slurry Lagoon



Results

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Content Specific Help Text

Site Information Bowland Fells (SSSI)

Country:	ENGLAND
Site Name:	Bowland Fells
Site Code:	1005542
Designation Status:	SSSI
Distance from Installation (m):	2599
Receptor Type:	Habitat
Grid Reference:	370093,456032
Met Site:	HIGH
Run Mode:	Conservative
PM_{10} Percentile:	Average

Installation Information

No.	Name	No. of sources	No. of new sources	PM_{10} (t/a)	NH_3 (t/a)	Odour (kOu/a)	Conc NH_3 (µg/m3)	Dep N (kg/ha/yr)	Dep Acid (kEq H+/ha/yr)	Conc PM_{10} (µg/m3)	Conc Odour (Ou/m3)
1	Slurry Lagoon	1	1	-	0.30	-	0.02	0.1	0.007	-	-

Total Depositions/Concentrations and Exceedances

Concentrations/Depositions and Critical Loads/Levels	NH_3 (µg/m3)	N Dep. (kg N/ha/yr)	Acid Dep. (kEq H+/ha/yr)	PM_{10} (µg/m3)	Odour (Ou/m3)
Process Contribution (PC) at receptor edge	0.02011	0.10	0.007	-	-
Background concentration at receptor edge	1.12	21.95	1.825 (N: 1.568|S: 0.257)	-	-
Predicted Environmental Concentration/Deposition (PEC)	1.14	22.05	1.83	-	-
Environmental Assessment Level or Critical Load / Level	Lower: 1 Upper: 3	5.0 Calluna Vulgaris - Deschampsia Flexuosa Heath	maxN: 0.654 maxS: 0.334 minN: 0.321 Calluna Vulgaris - Eriophorum Vaginatum Blanket Mire	-	-
		ALTERNATIVE CRITICAL LOAD INFO			
USE OWN THRESHOLDS?					
% of relevant standard PC	Lower: 2% Upper: 1%	2%	1.07%	-	-
% of relevant standard PEC	Lower: 114% Upper: 38%	441%	280%	-	-
EXCEEDANCE	Lower: 0.14 Upper: No exceedance	17.05	1.18	-	-

Project Notes

Woodhouse Gate Slurry Lagoon

SCAIL

Simple Calculation of Atmospheric Impact Limits

Results

Scail Home | User Guide | SCAIL-Agriculture Report | SEPA/EA/NIEA/EPA Contact Details | Online Tutorial

Content Specific Help Text

Site Information White Moss (SSSI)

Country:	ENGLAND
Site Name:	White Moss
Site Code:	1002735
Designation Status:	SSSI
Distance from Installation (m):	7876
Receptor Type:	Habitat
Grid Reference:	379057,454677
Met Site:	HIGH
Run Mode:	Conservative
PM_{10} Percentile:	Average

Installation Information

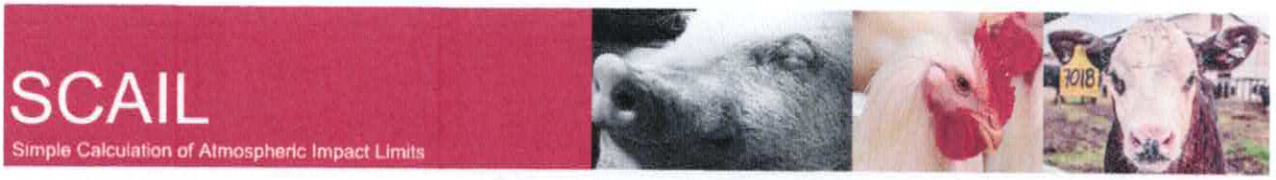
No.	Name	No. of sources	No. of new sources	PM_{10} (t/a)	NH_3 (t/a)	Odour (kOu/a)	Conc NH_3 (µg/m3)	Dep N (kg/ha/yr)	Dep Acid (kEq H+/ha/yr)	Conc PM_{10} (µg/m3)	Conc Odour (Ou/m3)
1	Slurry Lagoon	1	1	-	0.30	-	0	0.02	0.001	-	-

Total Depositions/Concentrations and Exceedances

Concentrations/Depositions and Critical Loads/Levels	**NH_3 (µg/m3)**	**N Dep. (kg N/ha/yr)**	**Acid Dep. (kEq H+/ha/yr)**	**PM_{10} (µg/m3)**	**Odour (Ou/m3)**
Process Contribution (PC) at receptor edge	0.00329	0.02	0.001	-	-
Background concentration at receptor edge	1.57	20.39	1.649 (N: 1.456|S: 0.193)	-	-
Predicted Environmental Concentration/Deposition (PEC)	1.57	20.41	1.65	-	-
Environmental Assessment Level or Critical Load / Level	Lower: 1 Upper: 3	5.0 Erica Tetralix - Sphagnum Papillosum Raised And Blanket Mire	maxN: 0.732 maxS: 0.411 minN: 0.321 Erica Tetralix - Sphagnum Papillosum Raised And Blanket Mire	-	-
		ALTERNATIVE CRITICAL LOAD INFO			
USE OWN THRESHOLDS?					
% of relevant standard PC	Lower: 0% Upper: 0%	0%	0.14%	-	-
% of relevant standard PEC	Lower: 157% Upper: 52%	408%	227%	-	-
EXCEEDANCE	Lower: 0.57 Upper: No exceedance	15.41	0.92	-	-

Project Notes

Woodhouse Gate Slurry Lagoon



Results

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Content Specific Help Text

Site Information New Ing Meadow (SSSI)

Country:	ENGLAND
Site Name:	New Ing Meadow
Site Code:	1006296
Designation Status:	SSSI
Distance from Installation (m):	8148
Receptor Type:	Habitat
Grid Reference:	378755,450547
Met Site:	HIGH
Run Mode:	Conservative
PM_{10} Percentile:	Average

Installation Information

No.	Name	No. of sources	No. of new sources	PM_{10} (t/a)	NH_3 (t/a)	Odour (kOu/a)	Conc NH_3 (µg/m3)	Dep N (kg/ha/yr)	Dep Acid (kEq H+/ha/yr)	Conc PM_{10} (µg/m3)	Conc Odour (Ou/m3)
1	Slurry Lagoon	1	1	-	0.30	-	0	0.02	0.001	-	-

Total Depositions/Concentrations and Exceedances

Concentrations/Depositions and Critical Loads/Levels	NH_3 (µg/m3)	N Dep. (kg N/ha/yr)	Acid Dep. (kEq H+/ha/yr)	PM_{10} (µg/m3)	Odour (Ou/m3)
Process Contribution (PC) at receptor edge	0.00311	0.02	0.001	-	-
Background concentration at receptor edge	1.66	19.95	1.612 (N: 1.425|S: 0.187)	-	-
Predicted Environmental Concentration/Deposition (PEC)	1.66	19.97	1.61	-	-
Environmental Assessment Level or Critical Load / Level	Lower: 1 Upper: 3	10.0 Anthoxanthum odoratum - Geranium sylvaticum Grassland ALTERNATIVE CRITICAL LOAD INFO	maxN: 5.071 maxS: 4.000 minN: 1.071 Anthoxanthum odoratum - Geranium sylvaticum Grassland	-	-
USE OWN THRESHOLDS?					
% of relevant standard PC	Lower: 0% Upper: 0%	0%	0.02%	-	-
% of relevant standard PEC	Lower: 166% Upper: 55%	200%	32%	-	-
EXCEEDANCE	Lower: 0.66 Upper: No exceedance	9.97	-3.46	-	-

Project Notes

Results

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Content Specific Help Text

Site Information Hesley Moss (SSSI)

Country:	ENGLAND
Site Name:	Hesley Moss
Site Code:	1006581
Designation Status:	SSSI
Distance from Installation (m):	9358
Receptor Type:	Habitat
Grid Reference:	378169,459993
Met Site:	HIGH
Run Mode:	Conservative
PM_{10} Percentile:	Average

Installation Information

No.	Name	No. of sources	No. of new sources	PM_{10} (t/a)	NH_3 (t/a)	Odour (kOu/a)	Conc NH_3 (µg/m3)	Dep N (kg/ha/yr)	Dep Acid (kEq H+/ha/yr)	Conc PM_{10} (µg/m3)	Conc Odour (Ou/m3)
1	Slurry Lagoon	1	1	-	0.30	-	0	0.01	0.001	-	-

Total Depositions/Concentrations and Exceedances

Concentrations/Depositions and Critical Loads/Levels	NH_3 (µg/m3)	N Dep. (kg N/ha/yr)	Acid Dep. (kEq H+/ha/yr)	PM_{10} (µg/m3)	Odour (Ou/m3)
Process Contribution (PC) at receptor edge	0.00248	0.01	0.001	-	-
Background concentration at receptor edge	1.40	20.19	1.646 (N: 1.442|S: 0.204)	-	-
Predicted Environmental Concentration/Deposition (PEC)	1.4	20.2	1.65	-	-
Environmental Assessment Level or Critical Load / Level	Lower: 1 Upper: 3	5.0 Erica Tetralix - Sphagnum Papillosum Raised And Blanket Mire	maxN: 0.815 maxS: 0.494 minN: 0.321 Erica Tetralix - Sphagnum Papillosum Raised And Blanket Mire	-	-
		ALTERNATIVE CRITICAL LOAD INFO			
USE OWN THRESHOLDS?					
% of relevant standard PC	Lower: 0% Upper: 0%	0%	0.12%	-	-
% of relevant standard PEC	Lower: 140% Upper: 47%	404%	202%	-	-
EXCEEDANCE	Lower: 0.40 Upper: No exceedance	15.20	0.83	-	-

Project Notes

Woodhouse Gate Slurry Lagoon