Results

Content Specific Help Text

Site Information

Greendale Mires SSSI

Country:
Site Name: Greendale Mires SSSI
Site Code: N/A
Designation Status: User defined
Distance from Installation (m): 8667
Receptor Type: Acid grassland
Grid Reference: 314573,504940
Met Site: STBE
Run Mode: Hybrid
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	Farm at Holmrook	1	1	-	1.6	-	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	0.00219	0.01	0.001	-	-
Background concentration at receptor edge	0.91	17.49	1.446 (N: 1.249|S: 0.197)	-	-
Predicted Environmental Concentration/Deposition (PEC)	0.91	17.5	1.45	-	-
Environmental Assessment Level or Critical Load / Level	Lower: 1 Upper: 3	5 Acid grassland ALTERNATIVE CRITICAL LOAD INFO	maxN: 1.03 maxS: 0.81 minN: 0.22 Acid grassland	-	-
USE OWN THRESHOLDS?					
% of relevant standard PC	Lower: 0% Upper: 0%	0%	0%	-	-
% of relevant standard PEC	Lower: 91% Upper: 30%	350%	141%	-	-
EXCEEDANCE	Lower: No exceedance Upper: No exceedance	12.50	0.42	-	-

Project Notes

R.Watson Holmrook

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BACK

Results

Content Specific Help Text

Site Information Drigg Coast SAC

Country:	
Site Name:	Drigg Coast SAC
Site Code:	N/A
Designation Status:	User defined
Distance from Installation (m):	1443
Receptor Type:	Dunes, Shingle & Machair
Grid Reference:	306800,498506
Met Site:	STBE
Run Mode:	Hybrid
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	Farm at Holmrook	1	1	-	1.6	-	0.09	0.46	0.031	-	-

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	0.08776	0.46	0.033	-	-
Background concentration at receptor edge	1.23	11.87	0.963 (N: 0.848|S: 0.115)	-	-
Predicted Environmental Concentration/Deposition (PEC)	1.32	12.33	1	-	-
Environmental Assessment Level or Critical Load / Level	Lower: 1 Upper: 3	5 Dunes, Shingle & Machair	maxN: 2.06 maxS: 0.81 minN: 1.25 Dunes, Shingle & Machair	-	-
		ALTERNATIVE CRITICAL LOAD INFO			
USE OWN THRESHOLDS?					
% of relevant standard PC	Lower: 9% Upper: 3%	9%	0%	-	-
% of relevant standard PEC	Lower: 132% Upper: 44%	247%	15%	-	-
EXCEEDANCE	Lower: 0.32 Upper: No exceedance	7.33	-1.06	-	-

Project Notes

R.Watson Holmrook

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Results

Content Specific Help Text

Site Information Drigg Coast SSSI

Country:	
Site Name:	Drigg Coast SSSI
Site Code:	N/A
Designation Status:	User defined
Distance from Installation (m):	1443
Receptor Type:	Dunes, Shingle & Machair
Grid Reference:	306800,498506
Met Site:	STBE
Run Mode:	Hybrid
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	Farm at Holmrook	1	1	-	1.6	-	0.09	0.46	0.031	-	-

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	0.08776	0.46	0.033	-	-
Background concentration at receptor edge	1.23	11.87	0.963 (N: 0.848|S: 0.115)	-	-
Predicted Environmental Concentration/Deposition (PEC)	1.32	12.33	1	-	-
Environmental Assessment Level or Critical Load / Level	Lower: 1 Upper: 3	5 Dunes, Shingle & Machair	maxN: 2.06 maxS: 0.81 minN: 1.25 Dunes, Shingle & Machair	-	-
		ALTERNATIVE CRITICAL LOAD INFO			
USE OWN THRESHOLDS?					
% of relevant standard PC	Lower: 9% Upper: 3%	9%	0%	-	-
% of relevant standard PEC	Lower: 132% Upper: 44%	247%	15%	-	-
EXCEEDANCE	Lower: 0.32 Upper: No exceedance	7.33	-1.06	-	-

Project Notes

R.Watson Holmrook

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Results

Content Specific Help Text

Site Information Drigg Holme (SSSI)

Country:	ENGLAND
Site Name:	Drigg Holme
Site Code:	1002638
Designation Status:	SSSI
Distance from Installation (m):	523
Receptor Type:	Habitat
Grid Reference:	307562,499101
Met Site:	STBE
Run Mode:	Hybrid
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	Farm at Holmrook	1	1	-	1.6	-	0.28	1.44	0.097	-	-

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	0.27638	1.4	0.1	-	-
Background concentration at receptor edge	1.33	12.44	1.007 (N: 0.889|S: 0.119)	-	-
Predicted Environmental Concentration/Deposition (PEC)	1.61	13.84	1.11	-	-
Environmental Assessment Level or Critical Load / Level	Lower: 1 Upper: 3	10 Alopecurus pratensis - Sanguisorba officinalis Grassland ALTERNATIVE CRITICAL LOAD INFO	maxN: 4.856 maxS: 4 minN: 0.856 Alopecurus pratensis - Sanguisorba officinalis Grassland	-	-
USE OWN THRESHOLDS?					
% of relevant standard PC	Lower: 28% Upper: 9%	14%	0%	-	-
% of relevant standard PEC	Lower: 161% Upper: 54%	138%	21%	-	-
EXCEEDANCE	Lower: 0.61 Upper: No exceedance	3.84	-3.75	-	-

Project Notes

R.Watson Holmrook

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Results

Content Specific Help Text

Site Information Hallsenna Moor SSSI

Country:	
Site Name:	Hallsenna Moor SSSI
Site Code:	N/A
Designation Status:	User defined
Distance from Installation (m):	1125
Receptor Type:	Acid grassland
Grid Reference:	307089,500491
Met Site:	STBE
Run Mode:	Hybrid
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	Farm at Holmrook	1	1	-	1.6	-	0.11	0.57	0.039	-	-

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	0.11006	0.57	0.041	-	-
Background concentration at receptor edge	1.37	12.63	1.021 (N: 0.902|S: 0.119)	-	-
Predicted Environmental Concentration/Deposition (PEC)	1.48	13.2	1.06	-	-
Environmental Assessment Level or Critical Load / Level	Lower: 1 Upper: 3	5 Acid grassland	maxN: 1.03 maxS: 0.81 minN: 0.22 Acid grassland	-	-
ALTERNATIVE CRITICAL LOAD INFO					
USE OWN THRESHOLDS?					
% of relevant standard PC	Lower: 11% Upper: 4%	11%	7%	-	-
% of relevant standard PEC	Lower: 148% Upper: 49%	264%	106%	-	-
EXCEEDANCE	Lower: 0.48 Upper: No exceedance	8.20	0.03	-	-

Project Notes

R.Watson Holmrook

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Results

Content Specific Help Text

Site Information Lakeland High Fells SAC

Country:	
Site Name:	Lakeland High Fells SAC
Site Code:	N/A
Designation Status:	User defined
Distance from Installation (m):	7378
Receptor Type:	Montane Habitats
Grid Reference:	314442,502708
Met Site:	STBE
Run Mode:	Hybrid
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	Farm at Holmrook	1	1	-	1.6	-	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	0.00288	0.01	0.001	-	-
Background concentration at receptor edge	0.99	16.21	1.337 (N: 1.158|S: 0.179)	-	-
Predicted Environmental Concentration/Deposition (PEC)	0.99	16.22	1.34	-	-
Environmental Assessment Level or Critical Load / Level	Lower: 1 Upper: 3	5 Montane Habitats	maxN: 0.59 maxS: 0.41 minN: 0.18 Montane Habitats ALTERNATIVE CRITICAL LOAD INFO	-	-
USE OWN THRESHOLDS?					
% of relevant standard PC	Lower: 0% Upper: 0%	0%	0%	-	-
% of relevant standard PEC	Lower: 99% Upper: 33%	324%	227%	-	-
EXCEEDANCE	Lower: No exceedance Upper: No exceedance	11.22	0.75	-	-

Project Notes

R.Watson Holmrook

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BACK

Results

Content Specific Help Text

Site Information Wasdalw Screes SSSSI

Country:	
Site Name:	Wasdalw Screes SSSSI
Site Code:	N/A
Designation Status:	User defined
Distance from Installation (m):	7378
Receptor Type:	Inland Rock & Scree
Grid Reference:	314442,502708
Met Site:	STBE
Run Mode:	Hybrid
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	Farm at Holmrook	1	1	-	1.6	-	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	0.00288	0.01	0.001	-	-
Background concentration at receptor edge	0.99	16.21	1.337 (N: 1.158|S: 0.179)	-	-
Predicted Environmental Concentration/Deposition (PEC)	0.99	16.22	1.34	-	-
Environmental Assessment Level or Critical Load / Level	Lower: 1 Upper: 3	5 Inland Rock & Scree	maxN: 4.69 maxS: 3.83 minN: 0.85 Inland Rock & Scree	-	-
		ALTERNATIVE CRITICAL LOAD INFO			
USE OWN THRESHOLDS?					
% of relevant standard PC	Lower: 0% Upper: 0%	0%	1%	-	-
% of relevant standard PEC	Lower: 99% Upper: 33%	324%	29%	-	-
EXCEEDANCE	Lower: No exceedance Upper: No exceedance	11.22	-3.35	-	-

Project Notes

R.Watson Holmrook

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BACK

SCAIL

Simple Calculation of Atmospheric Impact Limits

Results

Content Specific Help Text

Site Information Wast Water SAC

Country:	
Site Name:	Wast Water SAC
Site Code:	N/A
Designation Status:	User defined
Distance from Installation (m):	7848
Receptor Type:	Inland Rock & Scree
Grid Reference:	314392,503777
Met Site:	STBE
Run Mode:	Hybrid
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	Farm at Holmrook	1	1	-	1.6	-	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	0.00262	0.01	0.001	-	-
Background concentration at receptor edge	0.97	16.85	1.392 (N: 1.204|S: 0.188)	-	-
Predicted Environmental Concentration/Deposition (PEC)	0.97	16.86	1.39	-	-
Environmental Assessment Level or Critical Load / Level	Lower: 1 Upper: 3	5 Inland Rock & Scree	maxN: 4.69 maxS: 3.83 minN: 0.85 Inland Rock & Scree	-	-
		ALTERNATIVE CRITICAL LOAD INFO			
USE OWN THRESHOLDS?					
% of relevant standard PC	Lower: 0% Upper: 0%	0%	0%	-	-
% of relevant standard PEC	Lower: 97% Upper: 32%	337%	30%	-	-
EXCEEDANCE	Lower: No exceedance Upper: No exceedance	11.86	-3.30	-	-

Project Notes

R.Watson Holmrook

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BACK

Results

Content Specific Help Text

Site Information Wast Water SSSI

Country:	
Site Name:	Wast Water SSSI
Site Code:	N/A
Designation Status:	User defined
Distance from Installation (m):	7848
Receptor Type:	Inland Rock & Scree
Grid Reference:	314392,503777
Met Site:	STBE
Run Mode:	Hybrid
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	Farm at Holmrook	1	1	-	1.6	-	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	0.00262	0.01	0.001	-	-
Background concentration at receptor edge	0.97	16.85	1.392 (N: 1.204|S: 0.188)	-	-
Predicted Environmental Concentration/Deposition (PEC)	0.97	16.86	1.39	-	-
Environmental Assessment Level or Critical Load / Level	Lower: 1 Upper: 3	5 Inland Rock & Scree	maxN: 4.69 maxS: 3.83 minN: 0.85 Inland Rock & Scree	-	-
		ALTERNATIVE CRITICAL LOAD INFO			
USE OWN THRESHOLDS?					
% of relevant standard PC	Lower: 0% Upper: 0%	0%	0%	-	-
% of relevant standard PEC	Lower: 97% Upper: 32%	337%	30%	-	-
EXCEEDANCE	Lower: No exceedance Upper: No exceedance	11.86	-3.30	-	-

Project Notes

R.Watson Holmrook

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BACK

Results

Content Specific Help Text

Site Information Mofrecambe bay & Duddon SPA

Country:	
Site Name:	Mofrecambe bay & Duddon SPA
Site Code:	N/A
Designation Status:	User defined
Distance from Installation (m):	923
Receptor Type:	Maritime Cliff and Slopes
Grid Reference:	307169,498874
Met Site:	STBE
Run Mode:	Hybrid
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	Farm at Holmrook	1	1	-	1.6	-	0.17	0.91	0.061	-	-

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	0.17471	0.91	0.065	-	-
Background concentration at receptor edge	1.29	12.26	0.993 (N: 0.875|S: 0.118)	-	-
Predicted Environmental Concentration/Deposition (PEC)	1.46	13.17	1.06	-	-
Environmental Assessment Level or Critical Load / Level	Lower: 1 Upper: 3	No sensitive habitat or species at this site	There is no comparable acid critical load class for which the CL function in calculated. The soil base empirical CL (based on the dominant soil) for grid square is 4.00 (keq/ha/yr)	-	-
		ALTERNATIVE CRITICAL LOAD INFO			
USE OWN THRESHOLDS?					
% of relevant standard PC	Lower: 17% Upper: 6%	n/a	n/a	-	-
% of relevant standard PEC	Lower: 146% Upper: 49%	n/a	n/a	-	-
EXCEEDANCE	Lower: 0.46 Upper: No exceedance	n/a	n/a	-	-

Project Notes

R.Watson Holmrook

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