



### Ammonia Screening Results



**DEVELOPMENT:** Erection of a free range egg production unit including silos and associated works

**LOCATION:**  
Cyniwyll  
Llanerfyl  
Welshpool  
Powys  
SY21 0EX

**CLIENT:** DN Bennett & Son

Roger Parry & Partners LLP  
The Estates Office, 20 Salop Road, Oswestry, Shropshire, SY11 2NU  
Tel: 01691 655334 Fax: 01691 657798  
Email: [richard@rogerparry.net](mailto:richard@rogerparry.net)

Also at: 11 Severn Street, Welshpool, Powys, SY21 7AG  
Tel: 01938 554499 Fax: 01938 554462  
email: [welshpool@rogerparry.net](mailto:welshpool@rogerparry.net)

Also at: Hogstow Hall, Minsterley, Shrewsbury, SY5 0HZ  
Tel: 01743 791336 Fax: 01743 792770  
email: [mail@rogerparry.net](mailto:mail@rogerparry.net)

*December 2017*



---

The Estates Office  
20 Salop Road,  
Oswestry  
Shropshire  
SY11 2NU

Phone 01691 655 334 mail@rogerparry.net  
[www.rogerparry.net](http://www.rogerparry.net)

*Offices also at Minsterley &  
Welshpool*

## Introduction

It is proposed to erect a free range egg production unit with silos and associated works at Cyniwll to accommodate a maximum of 32,000 birds.

The purpose of this report is to explain and examine if the proposed development will have any impact on the ecological interest of the area. Particular note is given to the levels of ammonia which shall arise from the proposed poultry unit.

## Location

The proposed development is located on the outskirts of Llanerfyl. The development is approximately 120 metres away from Cyniwyll.

It is noted that there is an existing range of modern farm buildings positioned between the Farmhouse and the proposed development. The existence of modern buildings adjoining the proposed development is beneficial as it provides an ideal screen for the development from the Farmhouse.

## Environmental Sites

Within a 10km radius of the application site, there are 25 environmental sites, ranging from 1.7km to 9.1km away from the proposed site and the three closest Ancient Semi Natural Woodlands have been assessed:

	Region	Site Name	Site Code	Designation Status	Distance from Installation (m)	Sensitive Habitats
1.	Wales	27447 Ancient Semi Natural Woodland	27447		261	Sensitive Habitat
2.	Wales	31979 Ancient Semi Natural Woodland	31979		414	Sensitive Habitat
3.	Wales	26558 Ancient Semi Natural Woodland	26558		374	Sensitive Habitat
4.	Wales	Cors Lawnt	4134	SSSI	1744	Sensitive Habitat
5.	Wales	Mawnog Gwaunynog	3992	SSSI	2341	Sensitive Habitat
6.	Wales	Coed y Lawnt a Coed Oli	6043	SSSI	2539	Sensitive Habitat
7.	Wales	Gwaun Wern-y-Wig	5976	SSSI	3155	Sensitive Habitat
8.	Wales	Gwaun Efail Wig	4515	SSSI	4059	Sensitive Habitat



The Estates Office  
20 Salop Road,  
Oswestry  
Shropshire  
SY11 2NU

Phone

01691 655 334

mail@rogerparry.net  
www.rogerparry.net

Offices also at Minsterley &  
Welshpool

<b>9.</b>	Wales	Gweunydd Ger Fronhaul	5011	SSSI	4574	Sensitive Habitat
<b>10.</b>	Wales	Coed Copi'R Graig	6225	SSSI	4732	Sensitive Habitat
<b>11.</b>	Wales	Cors Llyn Coethlyn	6018	SSSI	5134	Sensitive Habitat
<b>12.</b>	Wales	Cors Ty-Gwyn	4140	SSSI	5224	Sensitive Habitat
<b>13.</b>	Wales	Gweunydd Ceunant	5036	SSSI	6001	Non-sensitive Habitat
<b>14.</b>	Wales	Pen-Dugwm Woods	4367	SSSI	6212	Sensitive habitat
<b>15.</b>	Wales	Ffridd Mathrafal Track Section	5666	SSSI	6215	Non-sensitive Habitat
<b>16.</b>	Wales	Cors Farchwel	4622	SSSI	6320	Sensitive habitat
<b>17.</b>	Wales	Gwaun Efail-Llwydiarth	5250	SSSI	6732	Sensitive Habitat
<b>18.</b>	Wales	Cors Cefn Llwyd	5018	SSSI	7074	Sensitive Habitat
<b>19.</b>	Wales	Cors Llanllugan (Llanllugan Mire)	5911	SSSI	7242	Sensitive Habitat
<b>20.</b>	Wales	Gweunydd Dyfnant	6177	SSSI	7294	Sensitive Habitat
<b>21.</b>	Wales	Coed Ty-Mawr	6546	SSSI	7756	Sensitive Habitat
<b>22.</b>	Wales	Gweunydd Dolwen	5014	SSSI	7976	Sensitive Habitat
<b>23.</b>	Wales	Gweunydd Pen-y-Coed	6490	SSSI	8111	Sensitive Habitat
<b>24.</b>	Wales	Berwyn a Mynyddoedd de Clwyd / Berwyn and South Clwyd Mountains	UK0012926	SAC	8889	Sensitive Habitat
<b>25.</b>	Wales	Berwyn	4203	SSSI	8889	Sensitive Habitat
<b>26.</b>	Wales	Berwyn	UK9013111	SPA	8889	Sensitive Habitat
<b>27.</b>	Wales	Glebe Field I Llanwddyn	4684	SSSI	9095	Sensitive Habitat



The Estates Office  
20 Salop Road,  
Oswestry  
Shropshire  
SY11 2NU

Phone

01691 655 334

mail@rogerparry.net  
www.rogerparry.net

Offices also at Minsterley &  
Welshpool

28.	Wales	Gweunydd Newydd	Llechwedd-	6356	SSSI	9199	Sensitive Habitat
-----	-------	--------------------	------------	------	------	------	----------------------

## SCAIL Modelling – Assessment of Ammonia

The SCAIL calculation stands for a Simply Calculation of Atmospheric Impact Limits. It is a screening tool for assessing the impact from agricultural sources on semi-natural areas such as SSSI's. The SCAIL model was developed from the Integrated Pollution Prevention and Control (IPPC) Directive which requires permits for pig and poultry systems with more than a certain number of livestock. It is noted that for poultry units the IPPC directive only applies to poultry units with more than 40,000 places. The SCAIL model provides a worse case scenario to the impact of such developments.

The Environment Agency provide detailed guidance regarding Ammonia, Nitrogen and Background levels together with sources, critical loads and levels from farming operations within their document "H1 Environmental Risk Assessment for Permits, Annex B – Intensive Farming" December 2011 (ERA H1).

ERA H1 Section 7.4.3 states that

*"An emission is insignificant where PC process contribution is <4% of Critical Levels for SACs, SPAs and Ramsars, <20% for SSSIs and <50% for local and national nature reserves, ancient woodland and local wildlife sites".*

As well as housing the birds, the application of manure to the land can have an impact on designated sites. The application proposed will see manure taken from the building every 10 days and spread on the available farm land in accordance with the Codes of Good Agricultural and Environmental Condition and Cross Compliance Regulations.

Manure will be:

- Spread in suitable weather conditions
- At least 10 metres away from any water course
- Incorporated into the ground within a maximum of 24 hours after application




---

The Estates Office  
20 Salop Road,  
Oswestry  
Shropshire  
SY11 2NU

Phone      01691 655 334      mail@rogerparry.net  
[www.rogerparry.net](http://www.rogerparry.net)

*Offices also at Minsterley & Welshpool*



[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, spreading, 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](#)

<b>Project Details</b>	
Project Notes	Cynewyll
Project Run Mode <input checked="" type="radio"/> Conservative Met <input type="radio"/> Realistic Met	
<b>Location Details</b>	
Select Country	Wales
<b>Installation Details</b>	
Installation	1
Installation Name	Cynewyll
Installation Location	305106,310361 <input type="checkbox"/> Landranger * x,y <a href="#">CHOOSE/VERIFY LOCATION</a>
<b>Source Details</b>	
Source	1 <input type="radio"/>
Source	<input type="radio"/> Pig <input checked="" type="radio"/> Poultry <input type="radio"/> Cattle <input type="radio"/> User defined emissions
New or Existing Source	New
Source Name	Cynewyll
Source Location	Provides a link to GoogleMaps to check the location. 305106,310361 <input type="checkbox"/> Landranger * x,y <a href="#">VERIFY LOCATION</a>
Source Type	Housing
Type	Barn and free range
Details	Aviary system
Livestock Number	32000
Housing Floor Area	2730 m <sup>2</sup>
Naturally Vented	<input type="checkbox"/>
Building Height	5.81 m
Fan Location	Roof
No. of Fans (optional)	12



22/12/2017

## SCAIL - Simple Calculation of Atmospheric Impact Limits

Fan Diameter	1.040	m
Fan Flowrate	5.09	m <sup>3</sup> /s
<b>Total emissions :</b>		
Pollutant	Source Emissions	Running total of all emission sources Units
NH <sub>3</sub>	2560	2560 (kg)
PM <sub>10</sub>	1056	1056 (kg)
Odour	1412812800	1412812800 (kOU)

SET EMISSIONS VALUES

## Designated Site details:

Search Radius 10 km

RUN RECEPTOR SEARCH

No. of Designated Sites: 25 found

VERIFY RECEPTOR LOCATIONS

Site No.	Name	Distance(km)	Designation	Easting	Northing
1	Cors Llawn	1.744	SSSI	304738	312066
2	Hawneg Gwaunymog	2.341	SSSI	307278	311234
3	Coed y Llawn a Coed Gili	2.339	SSSI	304697	312866
4	Gwaun Wen-y-Wig	3.155	SSSI	307489	312428
5	Gwaun Efail Wig	4.059	SSSI	309107	311041
6	Gweunydd Ger Fronhaul	4.574	SSSI	309381	308733
7	Coed Cop/R Graig	4.732	SSSI	303917	314940
8	Cors Llyn Coethlyn	5.134	SSSI	301655	314162
9	Cors Ty-Gwyn	5.224	SSSI	310290	311000
10	Gweunydd Ceunant	6.001	SSSI	311005	311457
11	Pen-Dugwm Woods	6.212	SSSI	310437	313549
12	Plrid Mairfael Track Section	6.215	SSSI	311314	310080
13	Cors Farchwel	6.32	SSSI	309025	315319
14	Gwaun Efali-Lwydlaeth	6.732	SSSI	306877	316855
15	Cors Cefn Llwyd	7.074	SSSI	312117	309420
16	Cors Llanlugan (Uanllugan Mire)	7.242	SSSI	306466	303247
17	Gweunydd Dylfnt	7.294	SSSI	299887	315457
18	Coed Ty-Hawr	7.756	SSSI	312847	309875
19	Gweunydd Dolwen	7.976	SSSI	297727	307330
20	Gweunydd Pen-y-Coed	8.111	SSSI	297957	314192
21	Berwyn a Mynyddoedd de Clwyd / Berwyn and South Clwyd Mountains	8.889	SAC	299173	316980
22	Berwyn	8.889	SSSI	299173	316980
23	Berwyn	8.889	SPA	299173	316980
24	Globe Field, Llanwddyn	9.095	SSSI	302467	319064
25	Gweunydd Llechwadd- Newydd	9.199	SSSI	296158	312497

User specified site 3 Add site

Site Name 26558 Ancient Semi Natural

Site Location

304806,310137

Landranger x,y

VERIFY LOCATION

Habitat within site

Broadleaved, Mixed and Yew Woodland

CHECK BACKGROUND LEVELS

## Human Health Receptor Details:

Receptor Select Add Receptor

PM<sub>10</sub> percentile Annual Average

Receptor Name

Receptor Location

<http://www.scaill.net.uk/index.htm?&action=run.html>

2/2



11 Severn Street,  
Welshpool  
Powys  
SY21 7AG

Phone 01938 554499

mail@rogerparry.net

[www.rogerparry.net](http://www.rogerparry.net)

Offices also at Minsterley

27447 Ancient Semi Natural Woodland 0.2km (Grid Ref: 304991, 310595)

Site Code:	N/A										
Designation Status:	User defined										
Distance from Installation (m):	261										
Receptor Type:	Broadleaved, Mixed and Yew Woodland										
<b>Installation Information</b>											
No.	Name	No. of sources	No. of new sources	PM <sub>10</sub> (t/a)	NH <sub>3</sub> (t/a)	Odour (kOu/a)	Conc NH <sub>3</sub> ( $\mu\text{g}/\text{m}^3$ )	Dep N (kg/ha/yr)	Dep Acid (kEq H+/ha/yr)	Conc PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	Conc Odour (Ou/m <sup>3</sup> )
1	Cynewyll	1	1	-	2.6	-	1.62	8.39	0.566	-	-
<b>Total Depositions/Concentrations and Exceedances</b>											
Concentrations/Depositions and Critical Loads/Levels		NH <sub>3</sub> ( $\mu\text{g}/\text{m}^3$ )	N Dep. (kg N/ha/yr)	Acid Dep. (kEq H+/ha/yr)		PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	Odour (Ou/m <sup>3</sup> )				
Process Contribution (PC) at receptor edge Background concentration at receptor edge		1.62 1.10 2.72	12.60 28.70 41.3	0.850 2.40 (N:2.05 S:0.35) 3.25		-	-				
Predicted Environmental Concentration/Deposition (PEC)		Lower: 1 Upper: 3	10.0 Broadleaved, Mixed and Yew Woodland	maxN: 2.11 maxS: 1.97 minN: 0.14 Broadleaved, Mixed and Yew Woodland		-	-				
Environmental Assessment Level or Critical Load / Level											
% of relevant standard PC		Lower: 162% Upper: 54%	126%	40%		-	-				
% of relevant standard PEC		Lower: 272% Upper: 91%	413%	154%		-	-				
<b>EXCEEDANCE</b>		Lower: 1.72 Upper: No exceedance	31.30	1.14		-	-				



11 Severn Street,  
Welshpool  
Powys  
SY21 7AG

Phone 01938 554499

[mail@rogerparry.net](mailto:mail@rogerparry.net)  
[www.rogerparry.net](http://www.rogerparry.net)

*Offices also at Minsterley*

31979 Ancient Semi Natural Woodland 0.4km (Grid Ref: 304699, 310438)

Site Code:	N/A										
Designation Status:	User defined										
Distance from Installation (m):	414										
Receptor Type:	Broadleaved, Mixed and Yew Woodland										
<b>Installation Information</b>											
No.	Name	No. of sources	No. of new sources	PM <sub>10</sub> (t/a)	NH <sub>3</sub> (t/a)	Odour (kOu/a)	Conc NH <sub>3</sub> ( $\mu\text{g}/\text{m}^3$ )	Dep N (kg/ha/yr)	Dep Acid (kEq H+/ha/yr)	Conc PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	Conc Odour (Ou/m <sup>3</sup> )
1	Cynewyll	1	1	-	2.6	-	0.87	4.49	0.303	-	-
<b>Total Depositions/Concentrations and Exceedances</b>											
Concentrations/Depositions and Critical Loads/Levels		NH <sub>3</sub> ( $\mu\text{g}/\text{m}^3$ )	N Dep. (kg N/ha/yr)	Acid Dep. (kEq H+/ha/yr)	PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	Odour (Ou/m <sup>3</sup> )					
Process Contribution (PC) at receptor edge Background concentration at receptor edge		0.87 1.10 1.97	6.80 28.70 35.5	0.460 2.40 (N:2.05 S:0.35) 2.86	- -	- -					
Predicted Environmental Concentration/Deposition (PEC)											
Environmental Assessment Level or Critical Load / Level		Lower: 1 Upper: 3	10.0 Broadleaved, Mixed and Yew Woodland	maxN: 2.11 maxS: 1.97 minN: 0.14 Broadleaved, Mixed and Yew Woodland	-	-					
%											
% of relevant standard PC		Lower: 87% Upper: 29%	68%	22%	-	-					
% of relevant standard PEC		Lower: 197% Upper: 66%	355%	136%	-	-					
<b>EXCEEDANCE</b>		Lower: 0.97 Upper: No exceedance	25.50	0.75	-	-					



11 Severn Street,  
Welshpool  
Powys  
SY21 7AG

Phone 01938 554499

[mail@rogerparry.net](mailto:mail@rogerparry.net)  
[www.rogerparry.net](http://www.rogerparry.net)

*Offices also at Minsterley*

26558 Ancient Semi Natural Woodland 0.3km (Grid Ref: 304806, 310137)

Site Code:	N/A										
Designation Status:	User defined										
Distance from Installation (m):	374										
Receptor Type:	Broadleaved, Mixed and Yew Woodland										
<b>Installation Information</b>											
No.	Name	No. of sources	No. of new sources	PM <sub>10</sub> (t/a)	NH <sub>3</sub> (t/a)	Odour (kOu/a)	Conc NH <sub>3</sub> ( $\mu\text{g}/\text{m}^3$ )	Dep N (kg/ha/yr)	Dep Acid (kEq H+/ha/yr)	Conc PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	Conc Odour (Ou/m <sup>3</sup> )
1	Cynewyll	1	1	-	2.6	-	0.99	5.15	0.348	-	-
<b>Total Depositions/Concentrations and Exceedances</b>											
Concentrations/Depositions and Critical Loads/Levels		NH <sub>3</sub> ( $\mu\text{g}/\text{m}^3$ )	N Dep. (kg N/ha/yr)	Acid Dep. (kEq H+/ha/yr)	PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	Odour (Ou/m <sup>3</sup> )					
Process Contribution (PC) at receptor edge Background concentration at receptor edge		0.99 1.10 2.09	7.70 28.70 36.4	0.520 2.40 (N:2.05 S:0.35) 2.92	- - -	- - -					
Predicted Environmental Concentration/Deposition (PEC)											
Environmental Assessment Level or Critical Load / Level		Lower: 1 Upper: 3	10.0 Broadleaved, Mixed and Yew Woodland	maxN: 2.11 maxS: 1.97 minN: 0.14 Broadleaved, Mixed and Yew Woodland	-	-					
%											
% of relevant standard PC		Lower: 99% Upper: 33%	77%	25%	-	-					
% of relevant standard PEC		Lower: 209% Upper: 70%	364%	138%	-	-					
<b>EXCEEDANCE</b>		Lower: 1.09 Upper: No exceedance	26.40	0.81	-	-					



11 Severn Street,  
Welshpool  
Powys  
SY21 7AG

Phone 01938 554499

[mail@rogerparry.net](mailto:mail@rogerparry.net)  
[www.rogerparry.net](http://www.rogerparry.net)

*Offices also at Minsterley*

Cors Lawnt SSSI 1.7km (Grid Ref: 304738, 312066)

Site Code:	4134										
Designation Status:	SSSI										
Distance from Installation (m):	1744										
Receptor Type:	Habitat										
<b>Installation Information</b>											
No.	Name	No. of sources	No. of new sources	PM <sub>10</sub> (t/a)	NH <sub>3</sub> (t/a)	Odour (kOu/a)	Conc NH <sub>3</sub> ( $\mu\text{g}/\text{m}^3$ )	Dep N (kg/ha/yr)	Dep Acid (kEq H+/ha/yr)	Conc PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	Conc Odour (Ou/m <sup>3</sup> )
1	Cynewyll	1	1	-	2.6	-	0.08	0.42	0.028	-	-
<b>Total Depositions/Concentrations and Exceedances</b>											
Concentrations/Depositions and Critical Loads/Levels			NH <sub>3</sub> ( $\mu\text{g}/\text{m}^3$ )	N Dep. (kg N/ha/yr)		Acid Dep. (kEq H+/ha/yr)		PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	Odour (Ou/m <sup>3</sup> )		
Process Contribution (PC) at receptor edge Background concentration at receptor edge			0.08 1.10 1.18	0.42 19.60 20.02		0.028 1.69 (N:1.40 S:0.29) 1.72		-	-		
Predicted Environmental Concentration/Deposition (PEC)			Lower: 1 Upper: 3	5.0 Bogs		maxN: 0.84 maxS: 0.52 minN: 0.32 Bogs		-	-		
Environmental Assessment Level or Critical Load / Level									-		
% of relevant standard PC			Lower: 8% Upper: 3%	8%		4%		-	-		
% of relevant standard PEC			Lower: 118% Upper: 39%	400%		205%			-		
<b>EXCEEDANCE</b>			Lower: 0.18 Upper: No exceedance	15.02		0.88		-	-		



11 Severn Street,  
Welshpool  
Powys  
SY21 7AG

Phone 01938 554499

[mail@rogerparry.net](mailto:mail@rogerparry.net)  
[www.rogerparry.net](http://www.rogerparry.net)

*Offices also at Minsterley*

Mawnog Gwaunynog SSSI 2.3km (Grid Ref: 307278, 311234)

Site Code:	3992										
Designation Status:	SSSI										
Distance from Installation (m):	2341										
Receptor Type:	Habitat										
<b>Installation Information</b>											
No.	Name	No. of sources	No. of new sources	PM <sub>10</sub> (t/a)	NH <sub>3</sub> (t/a)	Odour (kOu/a)	Conc NH <sub>3</sub> ( $\mu\text{g}/\text{m}^3$ )	Dep N (kg/ha/yr)	Dep Acid (kEq H+/ha/yr)	Conc PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	Conc Odour (Ou/m <sup>3</sup> )
1	Cynewyll	1	1	-	2.6	-	0.06	0.44	0.03	-	-
<b>Total Depositions/Concentrations and Exceedances</b>											
Concentrations/Depositions and Critical Loads/Levels		NH <sub>3</sub> ( $\mu\text{g}/\text{m}^3$ )	N Dep. (kg N/ha/yr)	Acid Dep. (kEq H+/ha/yr)		PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	Odour (Ou/m <sup>3</sup> )				
Process Contribution (PC) at receptor edge Background concentration at receptor edge		0.06 1.26 1.32	0.47 28.56 29.03	0.032 1.66 (N:1.39 S:0.27) 1.69		-	-				
Predicted Environmental Concentration/Deposition (PEC)		Lower: 1 Upper: 3	5.0 Broad-leaved, mixed and yew woodland	maxN: 2.08 maxS: 1.64 minN: 0.44 Fen, marsh and swamp		-	-				
Environmental Assessment Level or Critical Load / Level											
% of relevant standard PC		Lower: 6% Upper: 2%	9%	1%		-	-				
% of relevant standard PEC		Lower: 132% Upper: 44%	581%	81%		-	-				
<b>EXCEEDANCE</b>		Lower: 0.32 Upper: No exceedance	24.03	-0.39		-					



11 Severn Street,  
Welshpool  
Powys  
SY21 7AG

Phone 01938 554499

[mail@rogerparry.net](mailto:mail@rogerparry.net)  
[www.rogerparry.net](http://www.rogerparry.net)

*Offices also at Minsterley*

Coed y Lawnt a Coed Oli SSSI 2.5km (Grid Ref: 304697, 312866)

Site Code:	6043										
Designation Status:	SSSI										
Distance from Installation (m):	2539										
Receptor Type:	Habitat										
<b>Installation Information</b>											
No.	Name	No. of sources	No. of new sources	PM <sub>10</sub> (t/a)	NH <sub>3</sub> (t/a)	Odour (kOu/a)	Conc NH <sub>3</sub> ( $\mu\text{g}/\text{m}^3$ )	Dep N (kg/ha/yr)	Dep Acid (kEq H+/ha/yr)	Conc PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	Conc Odour (Ou/m <sup>3</sup> )
1	Cynewyll	1	1	-	2.6	-	0.05	0.4	0.027	-	-
<b>Total Depositions/Concentrations and Exceedances</b>											
Concentrations/Depositions and Critical Loads/Levels		NH <sub>3</sub> ( $\mu\text{g}/\text{m}^3$ )	N Dep. (kg N/ha/yr)	Acid Dep. (kEq H+/ha/yr)		PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	Odour (Ou/m <sup>3</sup> )				
Process Contribution (PC) at receptor edge Background concentration at receptor edge		0.05 1.10 1.15	0.39 28.70 29.09	0.026 2.40 (N:2.05 S:0.35) 2.43		-	-				
<b>Predicted Environmental Concentration/Deposition (PEC)</b>											
Environmental Assessment Level or Critical Load / Level		Lower: 1 Upper: 3	5.0 Broad-leaved, mixed and yew woodland	maxN: 1.66 maxS: 1.37 minN: 0.28 Broad-leaved, mixed and yew woodland		-	-				
% of relevant standard PC		Lower: 5% Upper: 2%	8%	2%		-	-				
% of relevant standard PEC		Lower: 115% Upper: 38%	582%	146%		-	-				
<b>EXCEEDANCE</b>		Lower: 0.15 Upper: No exceedance	24.09	0.77		-	-				



Gwaun Wern-y-Wig SSSI 3.1km (Grid ref: 307489, 312428)

Site Code:	5976										
Designation Status:	SSSI										
Distance from Installation (m):	3155										
Receptor Type:	Habitat										
<b>Installation Information</b>											
No.	Name	No. of sources	No. of new sources	PM <sub>10</sub> (t/a)	NH <sub>3</sub> (t/a)	Odour (kOu/a)	Conc NH <sub>3</sub> ( $\mu\text{g}/\text{m}^3$ )	Dep N (kg/ha/yr)	Dep Acid (kEq H+/ha/yr)	Conc PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	Conc Odour (Ou/m <sup>3</sup> )
1	Cynewyll	1	1	-	2.6	-	0.04	0.2	0.014	-	-
<b>Total Depositions/Concentrations and Exceedances</b>											
Concentrations/Depositions and Critical Loads/Levels			NH <sub>3</sub> ( $\mu\text{g}/\text{m}^3$ )	N Dep. (kg N/ha/yr)		Acid Dep. (kEq H+/ha/yr)		PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	Odour (Ou/m <sup>3</sup> )		
Process Contribution (PC) at receptor edge Background concentration at receptor edge			0.04 1.26 1.3	0.21 19.46 19.67		0.014 1.66 (N:1.39 S:0.27) 1.67		-	-		
Predicted Environmental Concentration/Deposition (PEC)			Lower: 1 Upper: 3	8.0 Acid grassland		maxN: 0.86 maxS: 0.49 minN: 0.37 Acid grassland		-	-		
Environmental Assessment Level or Critical Load / Level								-	-		
% of relevant standard PC			Lower: 4% Upper: 1%	3%		1%		-	-		
% of relevant standard PEC			Lower: 130% Upper: 43%	246%		194%		-	-		
<b>EXCEEDANCE</b>			Lower: 0.30 Upper: No exceedance	11.67		0.81		-	-		



11 Severn Street,  
Welshpool  
Powys  
SY21 7AG

Phone 01938 554499

[mail@rogerparry.net](mailto:mail@rogerparry.net)  
[www.rogerparry.net](http://www.rogerparry.net)

*Offices also at Minsterley*

Gwaun Efail Wig SSSI 4.0km (Grid ref: 309107, 311041)

Site Code:	4515										
Designation Status:	SSSI										
Distance from Installation (m):	4059										
Receptor Type:	Habitat										
<b>Installation Information</b>											
No.	Name	No. of sources	No. of new sources	PM <sub>10</sub> (t/a)	NH <sub>3</sub> (t/a)	Odour (kOu/a)	Conc NH <sub>3</sub> ( $\mu\text{g}/\text{m}^3$ )	Dep N (kg/ha/yr)	Dep Acid (kEq H+/ha/yr)	Conc PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	Conc Odour (Ou/m <sup>3</sup> )
1	Cynewyll	1	1	-	2.6	-	0.03	0.15	0.01	-	-
<b>Total Depositions/Concentrations and Exceedances</b>											
Concentrations/Depositions and Critical Loads/Levels		NH <sub>3</sub> ( $\mu\text{g}/\text{m}^3$ )	N Dep. (kg N/ha/yr)	Acid Dep. (kEq H+/ha/yr)		PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	Odour (Ou/m <sup>3</sup> )				
Process Contribution (PC) at receptor edge Background concentration at receptor edge		0.03 1.26 1.29	0.16 19.46 19.62	0.011 1.66 (N:1.39 S:0.27) 1.67		-	-				
<b>Predicted Environmental Concentration/Deposition (PEC)</b>											
Environmental Assessment Level or Critical Load / Level		Lower: 1 Upper: 3	8.0 Acid grassland	maxN: 2.08 maxS: 1.64 minN: 0.44 Acid grassland		-	-				
% of relevant standard PC		Lower: 3% Upper: 1%	2%	0%		-	-				
% of relevant standard PEC		Lower: 129% Upper: 43%	245%	80%		-	-				
<b>EXCEEDANCE</b>		Lower: 0.29 Upper: No exceedance	11.62	-0.41		-	-				



11 Severn Street,  
Welshpool  
Powys  
SY21 7AG

Phone 01938 554499

[mail@rogerparry.net](mailto:mail@rogerparry.net)  
[www.rogerparry.net](http://www.rogerparry.net)

*Offices also at Minsterley*

Gweunydd Ger Fronhaul SSSI 4.5km (Grid ref: 309381, 308733)

Site Code:	5011										
Designation Status:	SSSI										
Distance from Installation (m):	4574										
Receptor Type:	Habitat										
<b>Installation Information</b>											
No.	Name	No. of sources	No. of new sources	PM <sub>10</sub> (t/a)	NH <sub>3</sub> (t/a)	Odour (kOu/a)	Conc NH <sub>3</sub> ( $\mu\text{g}/\text{m}^3$ )	Dep N (kg/ha/yr)	Dep Acid (kEq H+/ha/yr)	Conc PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	Conc Odour (Ou/m <sup>3</sup> )
1	Cynewyll	1	1	-	2.6	-	0.03	0.13	0.009	-	-
<b>Total Depositions/Concentrations and Exceedances</b>											
Concentrations/Depositions and Critical Loads/Levels			NH <sub>3</sub> ( $\mu\text{g}/\text{m}^3$ )	N Dep. (kg N/ha/yr)		Acid Dep. (kEq H+/ha/yr)		PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	Odour (Ou/m <sup>3</sup> )		
Process Contribution (PC) at receptor edge Background concentration at receptor edge			0.03 1.29 1.32	0.16 18.48 18.64		0.011 1.56 (N:1.32 S:0.24) 1.57		-	-		
Predicted Environmental Concentration/Deposition (PEC)			Lower: 1 Upper: 3	10.0 Neutral grassland		maxN: 4.86 maxS: 4.00 minN: 0.86 Neutral grassland		-	-		
Environmental Assessment Level or Critical Load / Level									-		
% of relevant standard PC			Lower: 3% Upper: 1%	2%		0%		-	-		
% of relevant standard PEC									-		
EXCEEDANCE			Lower: 0.32 Upper: No exceedance	8.64		-3.29		-	-		



11 Severn Street,  
Welshpool  
Powys  
SY21 7AG

Phone 01938 554499

[mail@rogerparry.net](mailto:mail@rogerparry.net)  
[www.rogerparry.net](http://www.rogerparry.net)

*Offices also at Minsterley*

Coed Copi'R Graig SSSI 4.7km (Grid ref: 303917, 314940)

Site Code:	6225										
Designation Status:	SSSI										
Distance from Installation (m):	4732										
Receptor Type:	Habitat										
<b>Installation Information</b>											
No.	Name	No. of sources	No. of new sources	PM <sub>10</sub> (t/a)	NH <sub>3</sub> (t/a)	Odour (kOu/a)	Conc NH <sub>3</sub> ( $\mu\text{g}/\text{m}^3$ )	Dep N (kg/ha/yr)	Dep Acid (kEq H+/ha/yr)	Conc PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	Conc Odour (Ou/m <sup>3</sup> )
1	Cynewyll	1	1	-	2.6	-	0.02	0.19	0.013	-	-
<b>Total Depositions/Concentrations and Exceedances</b>											
Concentrations/Depositions and Critical Loads/Levels		NH <sub>3</sub> ( $\mu\text{g}/\text{m}^3$ )	N Dep. (kg N/ha/yr)	Acid Dep. (kEq H+/ha/yr)		PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	Odour (Ou/m <sup>3</sup> )				
Process Contribution (PC) at receptor edge Background concentration at receptor edge		0.02 1.10 1.12	0.16 28.70 28.86	0.011 2.40 (N:2.05 S:0.35) 2.41		-	-				
<b>Predicted Environmental Concentration/Deposition (PEC)</b>											
Environmental Assessment Level or Critical Load / Level		Lower: 1 Upper: 3	5.0 Broad-leaved, mixed and yew woodland	maxN: 3.38 maxS: 3.02 minN: 0.36 Broad-leaved, mixed and yew woodland		-	-				
% of relevant standard PC		Lower: 2% Upper: 1%	3%	0%		-	-				
% of relevant standard PEC		Lower: 112% Upper: 37%	577%	71%		-	-				
<b>EXCEEDANCE</b>		Lower: 0.12 Upper: No exceedance	23.86	-0.97		-	-				



11 Severn Street,  
Welshpool  
Powys  
SY21 7AG

Phone 01938 554499

[mail@rogerparry.net](mailto:mail@rogerparry.net)  
[www.rogerparry.net](http://www.rogerparry.net)

*Offices also at Minsterley*

Cors Llyn Coethlyn SSSI 5.1km (Grid ref: 301655, 314162)

Site Code:	6018										
Designation Status:	SSSI										
Distance from Installation (m):	5134										
Receptor Type:	Habitat										
<b>Installation Information</b>											
No.	Name	No. of sources	No. of new sources	PM <sub>10</sub> (t/a)	NH <sub>3</sub> (t/a)	Odour (kOu/a)	Conc NH <sub>3</sub> ( $\mu\text{g}/\text{m}^3$ )	Dep N (kg/ha/yr)	Dep Acid (kEq H+/ha/yr)	Conc PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	Conc Odour (Ou/m <sup>3</sup> )
1	Cynewyll	1	1	-	2.6	-	0.02	0.11	0.008	-	-
<b>Total Depositions/Concentrations and Exceedances</b>											
Concentrations/Depositions and Critical Loads/Levels		NH <sub>3</sub> ( $\mu\text{g}/\text{m}^3$ )	N Dep. (kg N/ha/yr)	Acid Dep. (kEq H+/ha/yr)		PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	Odour (Ou/m <sup>3</sup> )				
Process Contribution (PC) at receptor edge Background concentration at receptor edge		0.02 1.10 1.12	0.10 19.60 19.7	0.007 1.69 (N:1.40 S:0.29) 1.7		-	-				
Predicted Environmental Concentration/Deposition (PEC)		Lower: 1 Upper: 3	10.0 Fen, marsh and swamp	maxN: 0.87 maxS: 0.50 minN: 0.37 Fen, marsh and swamp		-	-				
Environmental Assessment Level or Critical Load / Level											
% of relevant standard PC		Lower: 2% Upper: 1%	1%	1%		-	-				
% of relevant standard PEC		Lower: 112% Upper: 37%	197%	195%		-	-				
<b>EXCEEDANCE</b>		Lower: 0.12 Upper: No exceedance	9.70	0.83		-	-				



11 Severn Street,  
Welshpool  
Powys  
SY21 7AG

Phone 01938 554499

[mail@rogerparry.net](mailto:mail@rogerparry.net)  
[www.rogerparry.net](http://www.rogerparry.net)

*Offices also at Minsterley*

Cors Ty-Gwyn SSSI 5.2km (Grid ref: 310290, 311000)

Site Code:	4140										
Designation Status:	SSSI										
Distance from Installation (m):	5224										
Receptor Type:	Habitat										
<b>Installation Information</b>											
No.	Name	No. of sources	No. of new sources	PM <sub>10</sub> (t/a)	NH <sub>3</sub> (t/a)	Odour (kOu/a)	Conc NH <sub>3</sub> ( $\mu\text{g}/\text{m}^3$ )	Dep N (kg/ha/yr)	Dep Acid (kEq H+/ha/yr)	Conc PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	Conc Odour (Ou/m <sup>3</sup> )
1	Cynewyll	1	1	-	2.6	-	0.02	0.17	0.011	-	-
<b>Total Depositions/Concentrations and Exceedances</b>											
Concentrations/Depositions and Critical Loads/Levels		NH <sub>3</sub> ( $\mu\text{g}/\text{m}^3$ )	N Dep. (kg N/ha/yr)	Acid Dep. (kEq H+/ha/yr)		PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	Odour (Ou/m <sup>3</sup> )				
Process Contribution (PC) at receptor edge Background concentration at receptor edge		0.02 1.43 1.45	0.16 27.30 27.46	0.011 2.21 (N:1.95 S:0.26) 2.22		-	-				
<b>Predicted Environmental Concentration/Deposition (PEC)</b>											
Environmental Assessment Level or Critical Load / Level		Lower: 1 Upper: 3	5.0 Broad-leaved, mixed and yew woodland	maxN: 3.07 maxS: 2.71 minN: 0.36 Broad-leaved, mixed and yew woodland		-	-				
% of relevant standard PC		Lower: 2% Upper: 1%	3%	0%		-	-				
% of relevant standard PEC		Lower: 145% Upper: 48%	549%	72%		-	-				
<b>EXCEEDANCE</b>		Lower: 0.45 Upper: No exceedance	22.46	-0.85		-	-				



11 Severn Street,  
Welshpool  
Powys  
SY21 7AG

Phone 01938 554499

[mail@rogerparry.net](mailto:mail@rogerparry.net)  
[www.rogerparry.net](http://www.rogerparry.net)

*Offices also at Minsterley*

Pen-Dugwm Woods SSSI 6.2km (Grid ref: 310437, 313549)

Site Code:	4367										
Designation Status:	SSSI										
Distance from Installation (m):	6212										
Receptor Type:	Habitat										
<b>Installation Information</b>											
No.	Name	No. of sources	No. of new sources	PM <sub>10</sub> (t/a)	NH <sub>3</sub> (t/a)	Odour (kOu/a)	Conc NH <sub>3</sub> ( $\mu\text{g}/\text{m}^3$ )	Dep N (kg/ha/yr)	Dep Acid (kEq H+/ha/yr)	Conc PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	Conc Odour (Ou/m <sup>3</sup> )
1	Cynewyll	1	1	-	2.6	-	0.02	0.14	0.009	-	-
<b>Total Depositions/Concentrations and Exceedances</b>											
Concentrations/Depositions and Critical Loads/Levels		NH <sub>3</sub> ( $\mu\text{g}/\text{m}^3$ )	N Dep. (kg N/ha/yr)	Acid Dep. (kEq H+/ha/yr)		PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	Odour (Ou/m <sup>3</sup> )				
Process Contribution (PC) at receptor edge Background concentration at receptor edge		0.02 1.43 1.45	0.16 27.30 27.46	0.011 2.21 (N:1.95 S:0.26) 2.22		-	-				
<b>Predicted Environmental Concentration/Deposition (PEC)</b>											
Environmental Assessment Level or Critical Load / Level		Lower: 1 Upper: 3	5.0 Broad-leaved, mixed and yew woodland	maxN: 1.41 maxS: 1.12 minN: 0.28 Broad-leaved, mixed and yew woodland		-	-				
%											
% of relevant standard PC		Lower: 2% Upper: 1%	3%	1%		-	-				
% of relevant standard PEC		Lower: 145% Upper: 48%	549%	157%		-	-				
<b>EXCEEDANCE</b>		Lower: 0.45 Upper: No exceedance	22.46	0.81		-	-				



11 Severn Street,  
Welshpool  
Powys  
SY21 7AG

Phone 01938 554499

[mail@rogerparry.net](mailto:mail@rogerparry.net)  
[www.rogerparry.net](http://www.rogerparry.net)

*Offices also at Minsterley*

Cors Farchwel SSSI 6.3km (Grid ref: 309025, 315319)

Site Code:	4622										
Designation Status:	SSSI										
Distance from Installation (m):	6320										
Receptor Type:	Habitat										
<b>Installation Information</b>											
No.	Name	No. of sources	No. of new sources	PM <sub>10</sub> (t/a)	NH <sub>3</sub> (t/a)	Odour (kOu/a)	Conc NH <sub>3</sub> ( $\mu\text{g}/\text{m}^3$ )	Dep N (kg/ha/yr)	Dep Acid (kEq H+/ha/yr)	Conc PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	Conc Odour (Ou/m <sup>3</sup> )
1	Cynewyll	1	1	-	2.6	-	0.02	0.09	0.006	-	-
<b>Total Depositions/Concentrations and Exceedances</b>											
Concentrations/Depositions and Critical Loads/Levels		NH <sub>3</sub> ( $\mu\text{g}/\text{m}^3$ )	N Dep. (kg N/ha/yr)	Acid Dep. (kEq H+/ha/yr)		PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	Odour (Ou/m <sup>3</sup> )				
Process Contribution (PC) at receptor edge Background concentration at receptor edge		0.02 0.91 0.93	0.10 19.04 19.14	0.007 1.64 (N:1.36 S:0.28) 1.65		-	-				
Predicted Environmental Concentration/Deposition (PEC)		Lower: 1 Upper: 3	8.0 Acid grassland	maxN: 0.88 maxS: 0.51 minN: 0.37 Acid grassland		-	-				
Environmental Assessment Level or Critical Load / Level											
% of relevant standard PC		Lower: 2% Upper: 1%	1%	1%		-	-				
% of relevant standard PEC		Lower: 93% Upper: 31%	239%	188%							
<b>EXCEEDANCE</b>		Lower: No exceedance Upper: No exceedance	11.14	0.77		-	-				



11 Severn Street,  
Welshpool  
Powys  
SY21 7AG

Phone 01938 554499

[mail@rogerparry.net](mailto:mail@rogerparry.net)  
[www.rogerparry.net](http://www.rogerparry.net)

*Offices also at Minsterley*

Gwaun Efail-Llwydiarth SSSI 6.7km (Grid ref: 306877, 316855)

Site Code:	5250											
Designation Status:	SSSI											
Distance from Installation (m):	6732											
Receptor Type:	Habitat											
<b>Installation Information</b>												
No.	Name	No. of sources	No. of new sources	PM <sub>10</sub> (t/a)	NH <sub>3</sub> (t/a)	Odour (kOu/a)	Conc NH <sub>3</sub> ( $\mu\text{g}/\text{m}^3$ )	Dep N (kg/ha/yr)	Dep Acid (kEq H+/ha/yr)	Conc PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	Conc Odour (Ou/m <sup>3</sup> )	
1	Cynewyll	1	1	-	2.6	-	0.02	0.08	0.006	-	-	
<b>Total Depositions/Concentrations and Exceedances</b>												
Concentrations/Depositions and Critical Loads/Levels			NH <sub>3</sub> ( $\mu\text{g}/\text{m}^3$ )	N Dep. (kg N/ha/yr)		Acid Dep. (kEq H+/ha/yr)		PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	Odour (Ou/m <sup>3</sup> )			
Process Contribution (PC) at receptor edge Background concentration at receptor edge			0.02 0.91 0.93	0.10 19.04 19.14		0.007 1.64 (N:1.36 S:0.28) 1.65		-	-			
Predicted Environmental Concentration/Deposition (PEC)			Lower: 1 Upper: 3	8.0 Acid grassland		maxN: 2.10 maxS: 1.66 minN: 0.44 Acid grassland		-	-			
Environmental Assessment Level or Critical Load / Level									-			
% of relevant standard PC			Lower: 2% Upper: 1%	1%		0%		-	-			
% of relevant standard PEC									-			
EXCEEDANCE			Lower: No exceedance Upper: No exceedance		11.14		-0.45		-			



11 Severn Street,  
Welshpool  
Powys  
SY21 7AG

Phone 01938 554499

[mail@rogerparry.net](mailto:mail@rogerparry.net)  
[www.rogerparry.net](http://www.rogerparry.net)

*Offices also at Minsterley*

Cors Cefn Llwyd SSSI 7.0km (Grid ref: 312117, 309420)

Site Code:	5018										
Designation Status:	SSSI										
Distance from Installation (m):	7074										
Receptor Type:	Habitat										
<b>Installation Information</b>											
No.	Name	No. of sources	No. of new sources	PM <sub>10</sub> (t/a)	NH <sub>3</sub> (t/a)	Odour (kOu/a)	Conc NH <sub>3</sub> ( $\mu\text{g}/\text{m}^3$ )	Dep N (kg/ha/yr)	Dep Acid (kEq H+/ha/yr)	Conc PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	Conc Odour (Ou/m <sup>3</sup> )
1	Cynewyll	1	1	-	2.6	-	0.02	0.12	0.008	-	-
<b>Total Depositions/Concentrations and Exceedances</b>											
Concentrations/Depositions and Critical Loads/Levels			NH <sub>3</sub> ( $\mu\text{g}/\text{m}^3$ )	N Dep. (kg N/ha/yr)		Acid Dep. (kEq H+/ha/yr)		PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	Odour (Ou/m <sup>3</sup> )		
Process Contribution (PC) at receptor edge Background concentration at receptor edge			0.02 1.50 1.52	0.16 28.14 28.3		0.011 2.27 (N:2.01 S:0.26) 2.28		-	-		
<b>Predicted Environmental Concentration/Deposition (PEC)</b>			Lower: 1 Upper: 3	5.0 Broad-leaved, mixed and yew woodland		maxN: 3.01 maxS: 2.65 minN: 0.36 Broad-leaved, mixed and yew woodland		-	-		
Environmental Assessment Level or Critical Load / Level											
% of relevant standard PC			Lower: 2% Upper: 1%	3%		0%		-	-		
% of relevant standard PEC			Lower: 152% Upper: 51%	566%		76%		-	-		
<b>EXCEEDANCE</b>			Lower: 0.52 Upper: No exceedance	23.30		-0.73		-	-		



11 Severn Street,  
Welshpool  
Powys  
SY21 7AG

Phone 01938 554499

[mail@rogerparry.net](mailto:mail@rogerparry.net)  
[www.rogerparry.net](http://www.rogerparry.net)

*Offices also at Minsterley*

Cors Llanllugan (Llanllugan Mire) SSSI 7.2km (Grid ref: 306466, 303247)

Site Code:	5911										
Designation Status:	SSSI										
Distance from Installation (m):	7242										
Receptor Type:	Habitat										
<b>Installation Information</b>											
No.	Name	No. of sources	No. of new sources	PM <sub>10</sub> (t/a)	NH <sub>3</sub> (t/a)	Odour (kOu/a)	Conc NH <sub>3</sub> ( $\mu\text{g}/\text{m}^3$ )	Dep N (kg/ha/yr)	Dep Acid (kEq H+/ha/yr)	Conc PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	Conc Odour (Ou/m <sup>3</sup> )
1	Cynewyll	1	1	-	2.6	-	0.02	0.12	0.008	-	-
<b>Total Depositions/Concentrations and Exceedances</b>											
Concentrations/Depositions and Critical Loads/Levels		NH <sub>3</sub> ( $\mu\text{g}/\text{m}^3$ )	N Dep. (kg N/ha/yr)	Acid Dep. (kEq H+/ha/yr)		PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	Odour (Ou/m <sup>3</sup> )				
Process Contribution (PC) at receptor edge Background concentration at receptor edge		0.02 1.32 1.34	0.16 28.70 28.86	0.011 1.56 (N:1.32 S:0.24) 1.57		-	-				
Predicted Environmental Concentration/Deposition (PEC)		Lower: 1 Upper: 3	5.0 Broad-leaved, mixed and yew woodland	maxN: 2.00 maxS: 1.61 minN: 0.39 Montane habitats		-	-				
Environmental Assessment Level or Critical Load / Level											
% of relevant standard PC		Lower: 2% Upper: 1%	3%	0%		-	-				
% of relevant standard PEC		Lower: 134% Upper: 45%	577%	78%		-	-				
<b>EXCEEDANCE</b>		Lower: 0.34 Upper: No exceedance	23.86	-0.43		-	-				



11 Severn Street,  
Welshpool  
Powys  
SY21 7AG

Phone 01938 554499

[mail@rogerparry.net](mailto:mail@rogerparry.net)  
[www.rogerparry.net](http://www.rogerparry.net)

*Offices also at Minsterley*

Gweunydd Dyfnant SSSI 7.2km (Grid ref: 299887, 315457)

Site Code:	6177										
Designation Status:	SSSI										
Distance from Installation (m):	7294										
Receptor Type:	Habitat										
<b>Installation Information</b>											
No.	Name	No. of sources	No. of new sources	PM <sub>10</sub> (t/a)	NH <sub>3</sub> (t/a)	Odour (kOu/a)	Conc NH <sub>3</sub> ( $\mu\text{g}/\text{m}^3$ )	Dep N (kg/ha/yr)	Dep Acid (kEq H+/ha/yr)	Conc PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	Conc Odour (Ou/m <sup>3</sup> )
1	Cynewyll	1	1	-	2.6	-	0.01	0.08	0.005	-	-
<b>Total Depositions/Concentrations and Exceedances</b>											
Concentrations/Depositions and Critical Loads/Levels		NH <sub>3</sub> ( $\mu\text{g}/\text{m}^3$ )	N Dep. (kg N/ha/yr)	Acid Dep. (kEq H+/ha/yr)		PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	Odour (Ou/m <sup>3</sup> )				
Process Contribution (PC) at receptor edge Background concentration at receptor edge		0.01 0.51 0.52	0.05 19.46 19.51	0.004 1.74 (N:1.39 S:0.35) 1.74		-	-				
Predicted Environmental Concentration/Deposition (PEC)		Lower: 1 Upper: 3	8.0 Acid grassland	maxN: 0.91 maxS: 0.54 minN: 0.37 Acid grassland		-	-				
Environmental Assessment Level or Critical Load / Level											
% of relevant standard PC		Lower: 1% Upper: 0%	1%	0%		-	-				
% of relevant standard PEC		Lower: 52% Upper: 17%	244%	191%		-	-				
<b>EXCEEDANCE</b>		Lower: No exceedance Upper: No exceedance	11.51	0.83		-	-				



11 Severn Street,  
Welshpool  
Powys  
SY21 7AG

Phone 01938 554499

[mail@rogerparry.net](mailto:mail@rogerparry.net)  
[www.rogerparry.net](http://www.rogerparry.net)

*Offices also at Minsterley*

Coed Ty-Mawr SSSI 7.7km (Grid ref: 312847, 309875)

Site Code:	6546										
Designation Status:	SSSI										
Distance from Installation (m):	7756										
Receptor Type:	Habitat										
<b>Installation Information</b>											
No.	Name	No. of sources	No. of new sources	PM <sub>10</sub> (t/a)	NH <sub>3</sub> (t/a)	Odour (kOu/a)	Conc NH <sub>3</sub> ( $\mu\text{g}/\text{m}^3$ )	Dep N (kg/ha/yr)	Dep Acid (kEq H+/ha/yr)	Conc PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	Conc Odour (Ou/m <sup>3</sup> )
1	Cynewyll	1	1	-	2.6	-	0.01	0.11	0.007	-	-
<b>Total Depositions/Concentrations and Exceedances</b>											
Concentrations/Depositions and Critical Loads/Levels		NH <sub>3</sub> ( $\mu\text{g}/\text{m}^3$ )	N Dep. (kg N/ha/yr)	Acid Dep. (kEq H+/ha/yr)	PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	Odour (Ou/m <sup>3</sup> )					
Process Contribution (PC) at receptor edge Background concentration at receptor edge		0.01 1.50 1.51	0.08 28.14 28.22	0.005 2.27 (N:2.01 S:0.26) 2.28	- -	- -					
Predicted Environmental Concentration/Deposition (PEC)											
Environmental Assessment Level or Critical Load / Level		Lower: 1 Upper: 3	5.0 Broad-leaved, mixed and yew woodland	maxN: 1.79 maxS: 1.64 minN: 0.14 Broad-leaved, mixed and yew woodland	-	-					
% of relevant standard PC		Lower: 1% Upper: 0%	2%	1%	-	-					
% of relevant standard PEC		Lower: 151% Upper: 50%	564%	127%	-	-					
<b>EXCEEDANCE</b>		Lower: 0.51 Upper: No exceedance	23.22	0.48	-	-					



11 Severn Street,  
Welshpool  
Powys  
SY21 7AG

Phone 01938 554499

[mail@rogerparry.net](mailto:mail@rogerparry.net)  
[www.rogerparry.net](http://www.rogerparry.net)

*Offices also at Minsterley*

Gweunydd Dolwen SSSI 7.9km (Grid ref: 297727, 307330)

Site Code:	5014											
Designation Status:	SSSI											
Distance from Installation (m):	7976											
Receptor Type:	Habitat											
<b>Installation Information</b>												
No.	Name	No. of sources	No. of new sources	PM <sub>10</sub> (t/a)	NH <sub>3</sub> (t/a)	Odour (kOu/a)	Conc NH <sub>3</sub> ( $\mu\text{g}/\text{m}^3$ )	Dep N (kg/ha/yr)	Dep Acid (kEq H+/ha/yr)	Conc PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	Conc Odour (Ou/m <sup>3</sup> )	
1	Cynewyll	1	1	-	2.6	-	0.01	0.07	0.005	-	-	
<b>Total Depositions/Concentrations and Exceedances</b>												
Concentrations/Depositions and Critical Loads/Levels			NH <sub>3</sub> ( $\mu\text{g}/\text{m}^3$ )	N Dep. (kg N/ha/yr)		Acid Dep. (kEq H+/ha/yr)		PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	Odour (Ou/m <sup>3</sup> )			
Process Contribution (PC) at receptor edge Background concentration at receptor edge			0.01 0.73 0.74	0.05 17.64 17.69		0.004 1.55 (N:1.26 S:0.29) 1.55		-	-			
Predicted Environmental Concentration/Deposition (PEC)			Lower: 1 Upper: 3	8.0 Acid grassland		maxN: 2.07 maxS: 1.63 minN: 0.44 Acid grassland		-	-			
Environmental Assessment Level or Critical Load / Level									-			
% of relevant standard PC			Lower: 1% Upper: 0%	1%		0%		-	-			
% of relevant standard PEC									-			
EXCEEDANCE			Lower: No exceedance Upper: No exceedance		9.69		-0.52		-			



11 Severn Street,  
Welshpool  
Powys  
SY21 7AG

Phone 01938 554499

[mail@rogerparry.net](mailto:mail@rogerparry.net)  
[www.rogerparry.net](http://www.rogerparry.net)

*Offices also at Minsterley*

Gweunydd Pen-y-Coed SSSI 8.1km (Grid ref: 297957, 314192)

Site Code:	6490											
Designation Status:	SSSI											
Distance from Installation (m):	8111											
Receptor Type:	Habitat											
<b>Installation Information</b>												
No.	Name	No. of sources	No. of new sources	PM <sub>10</sub> (t/a)	NH <sub>3</sub> (t/a)	Odour (kOu/a)	Conc NH <sub>3</sub> ( $\mu\text{g}/\text{m}^3$ )	Dep N (kg/ha/yr)	Dep Acid (kEq H+/ha/yr)	Conc PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	Conc Odour (Ou/m <sup>3</sup> )	
1	Cynewyll	1	1	-	2.6	-	0.01	0.07	0.005	-	-	
<b>Total Depositions/Concentrations and Exceedances</b>												
Concentrations/Depositions and Critical Loads/Levels			NH <sub>3</sub> ( $\mu\text{g}/\text{m}^3$ )	N Dep. (kg N/ha/yr)		Acid Dep. (kEq H+/ha/yr)		PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	Odour (Ou/m <sup>3</sup> )			
Process Contribution (PC) at receptor edge Background concentration at receptor edge			0.01 0.75 0.76	0.05 18.34 18.39		0.004 1.62 (N:1.31 S:0.31) 1.62		-	-			
Predicted Environmental Concentration/Deposition (PEC)			Lower: 1 Upper: 3	8.0 Acid grassland		maxN: 2.09 maxS: 1.65 minN: 0.44 Acid grassland		-	-			
Environmental Assessment Level or Critical Load / Level									-			
% of relevant standard PC			Lower: 1% Upper: 0%	1%		0%		-	-			
% of relevant standard PEC									-			
EXCEEDANCE			Lower: No exceedance Upper: No exceedance		10.39		-0.47		-			



11 Severn Street,  
Welshpool  
Powys  
SY21 7AG

Phone 01938 554499

[mail@rogerparry.net](mailto:mail@rogerparry.net)  
[www.rogerparry.net](http://www.rogerparry.net)

*Offices also at Minsterley*

Berwyn a Mynyddoedd de Clwyd / Berwyn and South Clwyd Mountains SAC 8.8km (Grid ref: 299173, 316980)

Site Code:	UK0012926												
Designation Status:	SAC												
Distance from Installation (m):	8889												
Receptor Type:	Habitat												
<b>Installation Information</b>													
No.	Name	No. of sources	No. of new sources	PM <sub>10</sub> (t/a)	NH <sub>3</sub> (t/a)	Odour (kOu/a)	Conc NH <sub>3</sub> ( $\mu$ g/m <sup>3</sup> )	Dep N (kg/ha/yr)	Dep Acid (kEq H+/ha/yr)	Conc PM <sub>10</sub> ( $\mu$ g/m <sup>3</sup> )	Conc Odour (Ou/m <sup>3</sup> )		
1	Cynewyll	1	1	-	2.6	-	0.01	0.06	0.004	-	-		
<b>Total Depositions/Concentrations and Exceedances</b>													
Concentrations/Depositions and Critical Loads/Levels			NH <sub>3</sub> ( $\mu$ g/m <sup>3</sup> )	N Dep. (kg N/ha/yr)		Acid Dep. (kEq H+/ha/yr)		PM <sub>10</sub> ( $\mu$ g/m <sup>3</sup> )	Odour (Ou/m <sup>3</sup> )				
Process Contribution (PC) at receptor edge Background concentration at receptor edge			0.01 0.51 0.52	0.05 19.46 19.51		0.004 1.74 (N:1.39 S:0.35) 1.74		-	-				
Predicted Environmental Concentration/Deposition (PEC)			Lower: 1 Upper: 3	5.0 Blanket bogs	maxN: 0.55 maxS: 0.23 minN: 0.18 Calcareous and calcshist screes of the montane to alpine levels (Thlaspietea rotundifolii)				-				
Environmental Assessment Level or Critical Load / Level													
% of relevant standard PC			Lower: 1% Upper: 0%	1%		0%		-	-				
% of relevant standard PEC			Lower: 52% Upper: 17%	390%		316%		-	-				
<b>EXCEEDANCE</b>			Lower: No exceedance Upper: No exceedance	14.51		1.19		-	-				



11 Severn Street,  
Welshpool  
Powys  
SY21 7AG

Phone 01938 554499

[mail@rogerparry.net](mailto:mail@rogerparry.net)  
[www.rogerparry.net](http://www.rogerparry.net)

*Offices also at Minsterley*

Berwyn SSSI 8.8km (Grid ref: 299173, 316980)

Site Code:	4203											
Designation Status:	SSSI											
Distance from Installation (m):	8889											
Receptor Type:	Habitat											
<b>Installation Information</b>												
No.	Name	No. of sources	No. of new sources	PM <sub>10</sub> (t/a)	NH <sub>3</sub> (t/a)	Odour (kOu/a)	Conc NH <sub>3</sub> ( $\mu\text{g}/\text{m}^3$ )	Dep N (kg/ha/yr)	Dep Acid (kEq H+/ha/yr)	Conc PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	Conc Odour (Ou/m <sup>3</sup> )	
1	Cynewyll	1	1	-	2.6	-	0.01	0.06	0.004	-	-	
<b>Total Depositions/Concentrations and Exceedances</b>												
Concentrations/Depositions and Critical Loads/Levels			NH <sub>3</sub> ( $\mu\text{g}/\text{m}^3$ )	N Dep. (kg N/ha/yr)		Acid Dep. (kEq H+/ha/yr)		PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	Odour (Ou/m <sup>3</sup> )			
Process Contribution (PC) at receptor edge Background concentration at receptor edge			0.01 0.51 0.52	0.05 19.46 19.51		0.004 1.74 (N:1.39 S:0.35) 1.74		-	-			
Predicted Environmental Concentration/Deposition (PEC)			Lower: 1 Upper: 3	5.0 Bogs		maxN: 0.74 maxS: 0.42 minN: 0.32 Bogs		-	-			
Environmental Assessment Level or Critical Load / Level									-			
% of relevant standard PC			Lower: 1% Upper: 0%	1%		0%		-	-			
% of relevant standard PEC									-			
EXCEEDANCE			Lower: No exceedance Upper: No exceedance		14.51		1.00		-			



11 Severn Street,  
Welshpool  
Powys  
SY21 7AG

Phone 01938 554499

[mail@rogerparry.net](mailto:mail@rogerparry.net)  
[www.rogerparry.net](http://www.rogerparry.net)

*Offices also at Minsterley*

Berwyn SPA 8.8km (Grid ref: 299173, 316980)

Site Code:	UK9013111										
Designation Status:	SPA										
Distance from Installation (m):	8889										
Receptor Type:	Habitat										
<b>Installation Information</b>											
No.	Name	No. of sources	No. of new sources	PM <sub>10</sub> (t/a)	NH <sub>3</sub> (t/a)	Odour (kOu/a)	Conc NH <sub>3</sub> ( $\mu\text{g}/\text{m}^3$ )	Dep N (kg/ha/yr)	Dep Acid (kEq H+/ha/yr)	Conc PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	Conc Odour (Ou/m <sup>3</sup> )
1	Cynewyll	1	1	-	2.6	-	0.01	0.06	0.004	-	-
<b>Total Depositions/Concentrations and Exceedances</b>											
Concentrations/Depositions and Critical Loads/Levels			NH <sub>3</sub> ( $\mu\text{g}/\text{m}^3$ )	N Dep. (kg N/ha/yr)		Acid Dep. (kEq H+/ha/yr)		PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	Odour (Ou/m <sup>3</sup> )		
Process Contribution (PC) at receptor edge Background concentration at receptor edge			0.01 0.51 0.52	0.05 19.46 19.51		0.004 2.51 (N:2.06 S:0.45) 2.51		-	-		
Predicted Environmental Concentration/Deposition (PEC)			Lower: 1 Upper: 3	10.0 Circus cyaneus		maxN: 0.89 maxS: 0.61 minN: 0.14 Milvus milvus		-	-		
Environmental Assessment Level or Critical Load / Level											
% of relevant standard PC			Lower: 1% Upper: 0%	1%		0%		-	-		
% of relevant standard PEC			Lower: 52% Upper: 17%	195%		282%			-		
<b>EXCEEDANCE</b>			Lower: No exceedance Upper: No exceedance	9.51		1.62		-	-		



11 Severn Street,  
Welshpool  
Powys  
SY21 7AG

Phone 01938 554499

[mail@rogerparry.net](mailto:mail@rogerparry.net)  
[www.rogerparry.net](http://www.rogerparry.net)

*Offices also at Minsterley*

Glebe Field I Llanwddyn SSSI 9.0km (Grid ref: 302467, 319064)

Site Code:	4684										
Designation Status:	SSSI										
Distance from Installation (m):	9095										
Receptor Type:	Habitat										
<b>Installation Information</b>											
No.	Name	No. of sources	No. of new sources	PM <sub>10</sub> (t/a)	NH <sub>3</sub> (t/a)	Odour (kOu/a)	Conc NH <sub>3</sub> ( $\mu\text{g}/\text{m}^3$ )	Dep N (kg/ha/yr)	Dep Acid (kEq H+/ha/yr)	Conc PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	Conc Odour (Ou/m <sup>3</sup> )
1	Cynewyll	1	1	-	2.6	-	0.01	0.06	0.004	-	-
<b>Total Depositions/Concentrations and Exceedances</b>											
Concentrations/Depositions and Critical Loads/Levels		NH <sub>3</sub> ( $\mu\text{g}/\text{m}^3$ )	N Dep. (kg N/ha/yr)	Acid Dep. (kEq H+/ha/yr)		PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	Odour (Ou/m <sup>3</sup> )				
Process Contribution (PC) at receptor edge Background concentration at receptor edge		0.01 0.72 0.73	0.05 18.34 18.39	0.004 1.61 (N:1.31 S:0.30) 1.61		-	-				
Predicted Environmental Concentration/Deposition (PEC)		Lower: 1 Upper: 3	10.0 Neutral grassland	maxN: 5.00 maxS: 4.00 minN: 1.00 Neutral grassland		-	-				
Environmental Assessment Level or Critical Load / Level											
% of relevant standard PC		Lower: 1% Upper: 0%	1%	0%		-	-				
% of relevant standard PEC		Lower: 73% Upper: 24%	184%	32%		-	-				
<b>EXCEEDANCE</b>		Lower: No exceedance Upper: No exceedance	8.39	-3.39		-	-				



11 Severn Street,  
Welshpool  
Powys  
SY21 7AG

Phone 01938 554499

[mail@rogerparry.net](mailto:mail@rogerparry.net)  
[www.rogerparry.net](http://www.rogerparry.net)

*Offices also at Minsterley*

Gweunydd Llechwedd-Newydd SSSI 9.1km (Grid ref: 296158, 312497)

Site Code:	6356										
Designation Status:	SSSI										
Distance from Installation (m):	9199										
Receptor Type:	Habitat										
<b>Installation Information</b>											
No.	Name	No. of sources	No. of new sources	PM <sub>10</sub> (t/a)	NH <sub>3</sub> (t/a)	Odour (kOu/a)	Conc NH <sub>3</sub> ( $\mu\text{g}/\text{m}^3$ )	Dep N (kg/ha/yr)	Dep Acid (kEq H+/ha/yr)	Conc PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	Conc Odour (Ou/m <sup>3</sup> )
1	Cynewyll	1	1	-	2.6	-	0.01	0.06	0.004	-	-
<b>Total Depositions/Concentrations and Exceedances</b>											
Concentrations/Depositions and Critical Loads/Levels		NH <sub>3</sub> ( $\mu\text{g}/\text{m}^3$ )	N Dep. (kg N/ha/yr)	Acid Dep. (kEq H+/ha/yr)		PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	Odour (Ou/m <sup>3</sup> )				
Process Contribution (PC) at receptor edge Background concentration at receptor edge		0.01 0.75 0.76	0.05 18.34 18.39	0.004 1.62 (N:1.31 S:0.31) 1.62		-	-				
Predicted Environmental Concentration/Deposition (PEC)		Lower: 1 Upper: 3	8.0 Acid grassland	maxN: 2.09 maxS: 1.65 minN: 0.44 Acid grassland		-	-				
Environmental Assessment Level or Critical Load / Level											
% of relevant standard PC		Lower: 1% Upper: 0%	1%	0%		-	-				
% of relevant standard PEC		Lower: 76% Upper: 25%	230%	78%		-	-				
<b>EXCEEDANCE</b>		Lower: No exceedance Upper: No exceedance	10.39	-0.47		-	-				



11 Severn Street,  
Welshpool  
Powys  
SY21 7AG

Phone 01938 554499

[mail@rogerparry.net](mailto:mail@rogerparry.net)  
[www.rogerparry.net](http://www.rogerparry.net)

*Offices also at Minsterley*

SSSI Name	Background Levels		Contribution to ammonia average (NH3) concentration from this proposal	Critical level for habitat (ug)	% contribution to NH3 critical levels (CL for habitat is 3ug)*	Contribution to Nitrogen (N) deposition from this proposal	CL for habitat (kg/ha /yr)	% contribution to N critical loads (CL for habitat Low Level)
	NH3 (ug)	N (kg)						
27447 Ancient Semi Natural Woodland	1.10	28.70	1.62	3	54%	12.60	10	126%
31979 Ancient Semi Natural Woodland	1.10	28.70	0.87	3	29%	6.80	10	68%
26558 Ancient Semi Natural Woodland	1.10	28.70	0.99	3	33%	7.70	10	77%
Cors Lawnt	1.10	19.60	0.08	3	2.6%	0.42	5	8.4%
Mawnog Gwaunynog	1.26	28.56	0.06	3	2%	0.47	5	9.4%
Coed y Lawnt a Coed Oli	1.10	28.70	0.05	3	1.6%	0.39	5	7.8%
Gwaun Wern-y-Wig	1.26	19.46	0.04	3	1.3%	0.21	8	2.6%
Gwaun Efail Wig	1.26	19.46	0.03	3	1%	0.16	8	2%
Gweunydd Ger Fronhaul	1.29	18.48	0.03	3	1%	0.16	10	1.6%
Coed Cop'R Graig	1.10	28.70	0.02	3	0.66%	0.16	5	3.2%
Cors Llyn Coethlyn	1.10	19.60	0.02	3	0.66%	0.10	10	1%
Cors Ty-Gwyn	1.43	27.30	0.02	3	0.66%	0.16	5	3.2%
Pen-Dugwm Woods	1.43	27.30	0.02	3	0.66%	0.16	5	3.2%
Cors Farchwel	0.91	19.04	0.02	3	0.66%	0.10	8	1.25%
Gwaun Efail-Llwydiarth	0.91	19.04	0.02	3	0.66%	0.10	8	1.25%
Cors Cefn Llwyd	1.50	28.14	0.02	3	0.66%	0.16	5	3.2%



11 Severn Street,  
Welshpool  
Powys  
SY21 7AG

Phone      01938 554499

[mail@rogerparry.net](mailto:mail@rogerparry.net)

[www.rogerparry.net](http://www.rogerparry.net)

Offices also at Minsterley

Cors Llanllugan (Llanllugan Mire)	1.32	28.70	0.02	3	0.66%	0.16	5	3.2%
Gweunydd Dyfnant	0.51	19.46	0.01	3	0.33%	0.05	8	0.62%
Coed Ty-Mawr	1.50	28.14	0.01	3	0.33%	0.08	5	1.6%
Gweunydd Dolwen	0.73	17.64	0.01	3	0.33%	0.05	8	0.62%
Gweunydd Pen-y-Coed	0.75	18.34	0.01	3	0.33%	0.05	8	0.62%
Berwyn a Mynyddoedd de Clwyd / Berwyn and South Clwyd Mountains	0.51	19.46	0.01	3	0.33%	0.05	5	1%
Berwyn	0.51	19.46	0.01	3	0.33%	0.05	5	1%
Berwyn	0.51	19.46	0.01	3	0.33%	0.05	10	0.5%
Glebe Field I Llanwddyn	0.72	18.34	0.01	3	0.33%	0.05	10	0.5%
Gweunydd Llechwedd-Newydd	0.75	18.34	0.01	3	0.33%	0.05	8	0.62%

## Conclusion

Based upon the results of the preliminary ammonia screening assessment, it is considered that the CCW would not require further modelling of ammonia emissions for the proposed poultry farm as ammonia emissions have been screened as insignificant following use of the SCAIL screening tool.



11 Severn Street,  
Welshpool  
Powys  
SY21 7AG

Phone      01938 554499

[mail@rogerparry.net](mailto:mail@rogerparry.net)  
[www.rogerparry.net](http://www.rogerparry.net)

*Offices also at Minsterley*