



**ENVIRONMENT
AGENCY**

Variation Notice with introductory note

Pollution Prevention and Control Regulations 2000

Landfill (England and Wales) Regulations 2002

Bryn Posteg Landfill
Sundorne Products (Llanidloes) Ltd
Tylwch Road
Llanidloes
Powys
SY18 6JJ

Variation Notice number

HP3536SG

Permit number

BU7766

Introductory note

This introductory note does not form a part of the Variation Notice.

The following Notice is issued under Regulation 17 of The Pollution Prevention and Control (England and Wales) Regulations 2000 (S.I.2000 No. 1973 (as amended) (the Regulations) to vary the conditions of a Permit issued under the Regulations to operate an installation.

The Notice comprises Schedule A containing conditions to be deleted, Schedule B conditions to be amended and Schedule C conditions to be added. The Notice is subject to the express conditions set out in Schedules A to C.

The Permit, as amended by this Variation Notice, contains conditions which have to be complied with. It should be noted that aspects of the operation of the installation which are not regulated by those conditions are subject to the condition implied by Regulation 12(10) of the PPC Regulations, that the Operator shall use the best available techniques for preventing or, where that is not practicable, reducing emissions from the installation. Techniques include both the technology used and the way in which the installation is designed, built, maintained, operated and decommissioned.

Brief description of the changes introduced by this variation notice.

This variation is to remove the gas engine from the permit since this part of the installation will be permitted to another operator.

Other PPC Permits relating to this installation

Permit holder	Permit Number	Date of Issue
Gwynt Cymru Limited	TP3736SQ	

Other existing Licences/Authorisations/Registrations relating to this installation

Holder	Reference Number	Date of issue
Trade Effluent Discharge Consent	01226025501	01/03/85

Superseded Licenses/Consents/Authorisations relating to this installation

Holder	Reference Number	Date of Issue
Waste Management Licence	EAWML 47065	01/04/1996

Talking to us

If you contact the Agency about this Permit please quote the Permit Number.

The Operator should use the Emergency Hotline telephone number (0800 80 70 60) or any other number notified to it to give a notification under condition 5.1.1 of the Permit.

Confidentiality

The Permit/Variation requires the Operator to provide information to the Agency. The Agency will place the information onto the public registers in accordance with the requirements of the PPC Regulations. If the Operator considers that any information provided is commercially confidential, it may apply to the Agency to have such information withheld from the register as provided in the PPC Regulations. To enable the Agency to determine whether the information is commercially confidential, the Operator should clearly identify the information in question and should specify clear and precise reasons.

Variations to the permit

This Permit may be varied in the future. The Status Log within the Introductory Note to any such variation will include summary details of the Permit, variations issued up to that point in time and state whether a consolidated version of the Permit has been issued.

Surrender of the permit

Before this Permit can be wholly or partially surrendered, an application to surrender the Permit has to be made. For the applicant to be successful, they would have to be able to demonstrate to the Agency, in accordance with Regulation 19 of the PPC Regulations, that there is no pollution risk and that no further steps are required to return the site to a satisfactory state.

Transfer of the permit or part of the permit

Before the Permit can be wholly or partially transferred to another person, a joint application to transfer the Permit has to be made by both the existing and proposed holders, in accordance with Regulation 18 of the PPC Regulations. A transfer will be allowed unless the Agency considers that the proposed holder will not be the person who will have control over the operation of the installation or will not ensure compliance with the conditions of the transferred Permit. If the Permit authorises the carrying out of a specified waste management activity, then there is a further requirement that the transferee is considered to be a "fit and proper person" to carry out that activity.

Status Log

Detail	Date	Comment
ApplicationBU7766	Received 22/04/03	Duly made 02/05/03
Response to request for information	Request Schedule 4 dated 6/07/03	Response dated 31/07/03
Response to request for information	Schedule 4 dated 11/08/03	Response dated 05/09/03
	Follow-up Letter dated 21/10/03	Response dated 30/11/03 Response dated 29/12/03
	Follow-up Letter dated 22/12/03	Response dated 05/01/04 Response dated 20/01/04
	Follow-up Letter dated 23/02/04	Response dated 27/02/04
	Follow-up Letter dated 02/03/04	Response dated 11/03/04
Response to request for information	Letter dated 03/06/03	
	Schedule 4 dated 19/09/03	Response dated 01/10/03
	Letter dated 19/11/03	Response dated 20/11/03
	Follow-up Letter dated 22/12/03	Response dated 03/02/04
Response to request for information	Letter dated 11/09/03	Response dated 17/09/03
	Schedule 4 dated 14/10/03	Response dated 27/10/03 Response dated 22/12/03
	Letter dated 12/01/04	
	Follow-up Letter dated 04/02/04	Response dated 18/02/04 Response dated 23/02/04
Response to request for information	Letter dated 22/09/03	Response dated 01/10/03
		CQA Plan received dated 20/01/04
	Letter dated 02/03/04	Response dated 11/03/04 Response dated 12/05/04
Response to request for information	Letter dated 26/09/03	Response dated 20/10/03

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Response to request for information	Schedule 4 dated 19/11/03	Response dated 15/12/03
	Follow-up Letter dated 22/12/03	Response dated 07/01/04
	Letter dated 27/01/04	Response dated 29/01/04
	Follow-up letter dated 02/03/04	Response dated 11/03/04
		Leachate management plan dated March 2004
Response to request for information	E-mail dated 15/09/03	
	Further E-mail dated 25/09/03	Response by e-mail dated 26/09/03
		Response dated 04/11/03
	Letter dated 22/12/03	Response dated 09/01/04
Response to request for information	Letter dated 19/11/03	Response dated 27/11/03
	Financial Provision – Commercially confidential	Follow-up Response dated 05/12/03
	Letter dated 16/12/04	Response dated 17/02/04
Response to request for information - odour	Meeting of the 05/04/04	Appendix 1 & 2 dated 16/04/04
		Odour Management Plan dated 14/05/04
		Appendix 3 dated 17/05/04
Request to extend determination	Request dated 06/04/04	Request accepted 07/04/04
Request to extend determination	Request dated 07/05/04	Request accepted 10/05/04
Request to extend determination	Request dated 20/05/04	Request accepted 24/05/04
Request to extend determination	Request dated 28/05/04	Request accepted 01/05/04
Request to extend determination	Request dated 11/06/04	Request accepted 14/06/04
Permit determined	Issued 15/06/04	
Partial Transfer Application	Received 10 March 2005	Additional information received 18/03/05
		Duly Made 18 April 2005
		Additional information received 21/04/05
Request for further Information	Meeting of the 03/05/05 in connection to the Gas Engine permit	Response dated 10/05/05
		Response dated 25/05/05
New Permit (TP3736SQ) for Gas Engine	Issued 15 June 2005	
Variation (HP3536SG) to Permit BU7766	Issued 15 June 2005	

End of introductory Note

Variation Notice

Pollution Prevention and Control
(England and Wales) Regulations 2000



**ENVIRONMENT
AGENCY**

Variation Notice

Permit number **BU7766**

Variation Notice number **HP3536SG**

The Environment Agency in exercise of its powers under Regulation 17 of the Pollution Prevention and Control (England and Wales) Regulations 2000 (S.I. 2000 No. 1973) (as amended), hereby varies the Permit issued on 15 June 2004 and held by you.

Sundorne Products (Llanidloes) Ltd ("the Operator"),

whose Registered Office (or Principal Office) is

G. F. Potter
Potters Yard
Severn Road
Welshpool
Powys
SY21 7YE

Company registration number 3353423

which relates to the operation of part of the Installation at

Bryn Posteg Landfill
Tylwch Road
Llanidloes
Powys
SY18 6JJ

to the extent set out in Schedules A to C of this Variation Notice.

This Notice shall take effect from 15 June 2005 at 00.01 hours.

Signed

Dirk Comerford

Authorised to sign on behalf of the Environment Agency

Date

SCHEDULE A - CONDITIONS TO BE DELETED

1. None

SCHEDULE B - CONDITIONS TO BE AMENDED

2. Amend the following Conditions/Tables/Schedules within original permit BU7766 dated 15 June 2004

1. Table 1.1.1
2. Condition 1.2
3. Table 2.2.1
4. Table 2.2.2
5. Schedule 2
6. Schedule 3
7. Schedule 5

with those Conditions/Tables/Schedules as attached to this notice.

SCHEDULE C - CONDITIONS TO BE ADDED

3. None

SCHEDULE B

1. Table 1.1.1

Table 1.1.1		
Activity listed in Schedule 1 of the PPC Regulations / Associated Activity	Description of specified activity	Limits of specified activity
Section 5.2(a), The disposal of waste in a landfill.	Landfill for non-hazardous waste (landfill classification under the Landfill Regulations (2002))	Receipt handling, storage and disposal of non-hazardous wastes, consisting of the types and quantities specified in condition 2.1.2, as an integral part of landfilling.
Leachate management	Storage and treatment of leachate pre-discharge	Leachate arising from the Permitted landfill
Landfill gas management	Flaring of landfill gas only	Landfill gas arising from the Permitted landfill
Leachate discharges to foul sewers	Discharge of leachate from the landfill.	From leachate management system to point of entry to sewer
Surface Water discharges to controlled waters	Discharge of site drainage from the landfill.	From surface water management system to point of entry to controlled waters

2. Condition 1.2

1.2 Site

- 1.2.1 The activities authorised under condition 1.1.1 shall not extend beyond the Site, being the land shown edged in red on the Site Plan 1 in Schedule 5 to this Permit, excluding the area hatched brown identified as 'MRF Composting' on plan 1 and the area edged in green as detailed on plans No. 2 and 3 in Schedule 5.

3. Table 2.2.1

Table 2.2.1 : Emission points to air		
Emission point reference or description	Source	Location of emission point
Landfill Gas Flare - LG.	Landfill gas flare	Point LG as detailed on site plan No. 1168.GPM.MN07

4. Table 2.2.2

Table 2.2.2 : Emission limits to air and monitoring				
Emission point reference	Parameter	Limit (mg/m ³)	Monitoring frequency	Monitoring method
LG- Flare	Oxides of Nitrogen (NOx)	38.52	1 st year – 6 monthly thereafter Annual	Chemiluminescence
LG - Flare	Carbon Monoxide (CO)	32	Annual	Non- dispersive infra red analysis
LG - Flare	Total Volatile Organic Compounds (VOC's)	2.63	Annual	Extractive sampling and FID analysis
LG - Flare	Non Methane Volatile Organic Compounds (NMVOC's)	5	Annual	Extractive sampling onto sorbent, extraction by CS ₂ analysis by GC with appropriate detector
LG – Flare	SOx	17	1 st year – 6 monthly thereafter Annual	To be agreed with the Agency
LG – Flare	HCl	None	Annually	To be agreed with the Agency
LG – Flare	CO ₂	None	Annually	To be agreed with the Agency
LG – Flare	Polychlorinated dibenzodioxins & polychlorinated dibenzofurans	None	Annually	To be agreed with the Agency

5. Schedule 2

Schedule 2 - Reporting of monitoring data

Parameters for which reports shall be made, in accordance with conditions 4.1.2 and 4.1.3 of this Permit, are listed below.

Table S2: Reporting of monitoring data			
Parameter	Emission point	Reporting period	Period begins
Oxides of Nitrogen (NOx)	LG- Landfill Gas Flare	1 st year – 6 monthly thereafter Annual	From date of issue of permit
Carbon Monoxide (CO)	LG- Landfill Gas Flare	Annual	From date of issue of permit
Total Volatile Organic Compounds (VOC's)	LG- Landfill Gas Flare	Annual	From date of issue of permit
Non Methane Volatile Organic Compounds (NMVOC's)	LG- Landfill Gas Flare	Annual	From date of issue of permit
SOx	LG- Landfill Gas Flare	1 st year – 6 monthly thereafter Annual	From date of issue of permit
HCl	LG- Landfill Gas Flare	Annually	From date of issue of permit
CO ₂	LG- Landfill Gas Flare	Annually	From date of issue of permit
Dioxins	LG- Landfill Gas Flare	Annually	From date of issue of permit
Dissolved Oxygen	P1 & P2	Quarterly	From date of issue of permit
Ammoniacal Nitrogen (Mg/l)	P1 & P2	Monthly	From date of issue of permit
Suspended Solids	P1 & P2	Monthly	From date of issue of permit
BOD	P1 & P2	Monthly	From date of issue of permit
Water Flow	P1 & P2	Monthly	From date of issue of permit
pH	P1 & P2	Monthly	From date of issue of permit
Temperature	P1 & P2	Quarterly	From date of issue of permit
Electrical Conductivity	P1 & P2	Monthly	From date of issue of permit
Chloride	P1 & P2	Monthly	From date of issue of permit
COD	P1 & P2	Quarterly	From date of issue of permit
Hydrocarbons	P1 & P2	Monthly	From date of issue of permit
List I substances identified to be present within the leachate	P1 & P2	6 monthly	From date of issue of permit

Ammoniacal Nitrogen	LD	Monthly	From date of issue of permit
Suspended Solids	LD	Monthly	From date of issue of permit
COD	LD	Monthly	From date of issue of permit
Sulphate	LD	Monthly	From date of issue of permit
Soluble CH ₄	LD	Monthly	From date of issue of permit
Oils	LD	Monthly	From date of issue of permit
pH	LD	Monthly	From date of issue of permit
Temperature	LD	Monthly	From date of issue of permit
List I substances identified to be present within the leachate	LD	6 monthly	From date of issue of permit
Water Level (mAOD)	BH1/ 1999, BH2 A/03, BH4 A/03, BH6/ 03, BH8 /03, BH9 /03, BH10 /03, BH11 /03, BH107	Monthly	From date of issue of permit
pH	BH1/ 1999, BH2 A/03, BH4 A/03, BH6/ 03, BH8 /03, BH9 /03, BH10 /03, BH11 /03, BH107	Monthly	From date of issue of permit
Ammoniacal Nitrogen (mg/l)	BH1/ 1999, BH2 A/03, BH4 A/03, BH6/ 03, BH8 /03, BH9 /03, BH10 /03, BH11 /03, BH107	Quarterly	From date of issue of permit
Cadmium (mg/l)	BH1/ 1999, BH2 A/03, BH4 A/03, BH6/ 03, BH8 /03, BH9 /03, BH10 /03, BH11 /03, BH107	Quarterly	From date of issue of permit
Chloride (mg/l)	BH1/ 1999, BH2 A/03, BH4 A/03, BH6/ 03, BH8 /03, BH9 /03, BH10 /03, BH11 /03, BH107	Quarterly	From date of issue of permit
Nickel (mg/l)	BH1/ 1999, BH2 A/03, BH4 A/03, BH6/ 03, BH8 /03, BH9 /03, BH10 /03, BH11 /03, BH107	Quarterly	From date of issue of permit
Toluene	BH1/ 1999, BH2 A/03, BH4 A/03, BH6/ 03, BH8 /03, BH9 /03, BH10 /03, BH11 /03, BH107	Quarterly	From date of issue of permit
Xylene	BH1/ 1999, BH2 A/03, BH4 A/03, BH6/ 03, BH8 /03, BH9 /03, BH10 /03, BH11 /03, BH107	Quarterly	From date of issue of permit
Zinc (mg/l)	BH1/ 1999, BH2 A/03, BH4 A/03, BH6/ 03, BH8 /03, BH9 /03, BH10 /03, BH11 /03, BH107	Quarterly	From date of issue of permit
Ethylbenzene	BH1/ 1999, BH2 A/03, BH4 A/03, BH6/ 03, BH8 /03, BH9 /03, BH10 /03, BH11 /03, BH107	Quarterly	From date of issue of permit
Mecoprop	BH1/ 1999, BH2 A/03, BH4 A/03, BH6/ 03, BH8 /03, BH9 /03, BH10 /03, BH11 /03, BH107	Quarterly	From date of issue of permit
2-4 D	BH1/ 1999, BH2 A/03, BH4 A/03, BH6/ 03, BH8 /03, BH9 /03, BH10 /03, BH11 /03, BH107	Quarterly	From date of issue of permit
Temperature (°C)	BH1/ 1999, BH2 A/03, BH4 A/03, BH6/ 03, BH8 /03, BH9 /03, BH10 /03, BH11 /03, BH107	Quarterly	From date of issue of permit
Electrical conductivity	BH1/ 1999, BH2 A/03, BH4 A/03, BH6/ 03, BH8 /03, BH9 /03, BH10 /03, BH11 /03, BH107	Monthly	From date of issue of permit
Dissolved oxygen	BH1/ 1999, BH2 A/03, BH4 A/03, BH6/ 03,	Quarterly	From date of issue of permit

	BH8 /03, BH9 /03, BH10 /03, BH11 /03, BH107		
Sulphate (mg/l)	BH1/ 1999, BH2 A/03, BH4 A/03, BH6/ 03, BH8 /03, BH9 /03, BH10 /03, BH11 /03, BH107	Monthly	From date of issue of permit
Total alkalinity (mg/l) (as Ca CO ₃ at pH4.5)	BH1/ 1999, BH2 A/03, BH4 A/03, BH6/ 03, BH8 /03, BH9 /03, BH10 /03, BH11 /03, BH107	Quarterly	From date of issue of permit
PAH	BH1/ 1999, BH2 A/03, BH4 A/03, BH6/ 03, BH8 /03, BH9 /03, BH10 /03, BH11 /03, BH107	Quarterly	From date of issue of permit
BTEX	BH1/ 1999, BH2 A/03, BH4 A/03, BH6/ 03, BH8 /03, BH9 /03, BH10 /03, BH11 /03, BH107	Annually	From date of issue of permit
Phenol	BH1/ 1999, BH2 A/03, BH4 A/03, BH6/ 03, BH8 /03, BH9 /03, BH10 /03, BH11 /03, BH107	Quarterly	From date of issue of permit
Na (mg/l)	BH1/ 1999, BH2 A/03, BH4 A/03, BH6/ 03, BH8 /03, BH9 /03, BH10 /03, BH11 /03, BH107	Quarterly	From date of issue of permit
K (mg/l)	BH1/ 1999, BH2 A/03, BH4 A/03, BH6/ 03, BH8 /03, BH9 /03, BH10 /03, BH11 /03, BH107	Quarterly	From date of issue of permit
Ca (mg/l)	BH1/ 1999, BH2 A/03, BH4 A/03, BH6/ 03, BH8 /03, BH9 /03, BH10 /03, BH11 /03, BH107	Quarterly	From date of issue of permit
Mg (mg/l)	BH1/ 1999, BH2 A/03, BH4 A/03, BH6/ 03, BH8 /03, BH9 /03, BH10 /03, BH11 /03, BH107	Quarterly	From date of issue of permit
Fe (mg/l)	BH1/ 1999, BH2 A/03, BH4 A/03, BH6/ 03, BH8 /03, BH9 /03, BH10 /03, BH11 /03, BH107	Quarterly	From date of issue of permit
Cr (mg/l)	BH1/ 1999, BH2 A/03, BH4 A/03, BH6/ 03, BH8 /03, BH9 /03, BH10 /03, BH11 /03, BH107	Quarterly	From date of issue of permit
Cu (mg/l)	BH1/ 1999, BH2 A/03, BH4 A/03, BH6/ 03, BH8 /03, BH9 /03, BH10 /03, BH11 /03, BH107	Quarterly	From date of issue of permit
Pb (mg/l)	BH1/ 1999, BH2 A/03, BH4 A/03, BH6/ 03, BH8 /03, BH9 /03, BH10 /03, BH11 /03, BH107	Quarterly	From date of issue of permit
List I substances identified to be present within the leachate	BH1/ 1999, BH2 A/03, BH4 A/03, BH6/ 03, BH8 /03, BH9 /03, BH10 /03, BH11 /03, BH107	Annually	From date of issue of permit
Deposited Dust (BS1747) Units: (µg/m ² /day)	Monitoring point 1, Monitoring point 2, Monitoring point 3	Quarterly and when a new phase of the site is being constructed	From date of issue of permit
Methane	All Peripheral Landfill Gas monitoring boreholes identified on drawing No. 1168.GPM.MN01	Weekly	From date of issue of permit
Carbon Dioxide	All Peripheral Landfill Gas monitoring boreholes identified on drawing No.	Weekly	From date of issue of permit

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Oxygen	All Peripheral Landfill Gas monitoring boreholes identified on drawing No. 1168.GPM.MN01	Weekly	From date of issue of permit
Atmospheric Pressure	All Peripheral Landfill Gas monitoring boreholes identified on drawing No. 1168.GPM.MN01	Continuous	From date of issue of permit
Cadmium	LCP1, LCP2, LCP3, LCP6, LCP7 and LCP8 One of RLMP9A (x2), One of RLMP9B (x2) One of RLMP9C (x2), One of RLMP9D (x2)	6 monthly	From date of issue of permit
Chromium	LCP1, LCP2, LCP3, LCP6, LCP7 and LCP8 One of RLMP9A (x2), One of RLMP9B (x2) One of RLMP9C (x2), One of RLMP9D (x2)	6 monthly	From date of issue of permit
Copper	LCP1, LCP2, LCP3, LCP6, LCP7 and LCP8 One of RLMP9A (x2), One of RLMP9B (x2) One of RLMP9C (x2), One of RLMP9D (x2)	6 monthly	From date of issue of permit
Zinc	LCP1, LCP2, LCP3, LCP6, LCP7 and LCP8 One of RLMP9A (x2), One of RLMP9B (x2) One of RLMP9C (x2), One of RLMP9D (x2)	6 monthly	From date of issue of permit
Lead	LCP1, LCP2, LCP3, LCP6, LCP7 and LCP8 One of RLMP9A (x2), One of RLMP9B (x2) One of RLMP9C (x2), One of RLMP9D (x2)	6 monthly	From date of issue of permit
Nickel	LCP1, LCP2, LCP3, LCP6, LCP7 and LCP8 One of RLMP9A (x2), One of RLMP9B (x2) One of RLMP9C (x2), One of RLMP9D (x2)	6 monthly	From date of issue of permit
Cyanide	LCP1, LCP2, LCP3, LCP6, LCP7 and LCP8 One of RLMP9A (x2), One of RLMP9B (x2) One of RLMP9C (x2), One of RLMP9D (x2)	6 monthly	From date of issue of permit
pH	LCP1, LCP2, LCP3, LCP6, LCP7 and LCP8 One of RLMP9A (x2), One of RLMP9B (x2) One of RLMP9C (x2), One of RLMP9D (x2)	Monthly	From date of issue of permit
Leachate Head	Leachate levels shall be monitored at the abstraction point for all phases and two additional points within each new phase.	Monthly	From date of issue of permit
Full List I substances	LCP1, LCP2, LCP3, LCP6, LCP7 and LCP8 One of RLMP9A (x2), One of RLMP9B (x2) One of RLMP9C (x2), One of RLMP9D (x2)	Annually	From date of issue of permit

6. Schedule 3

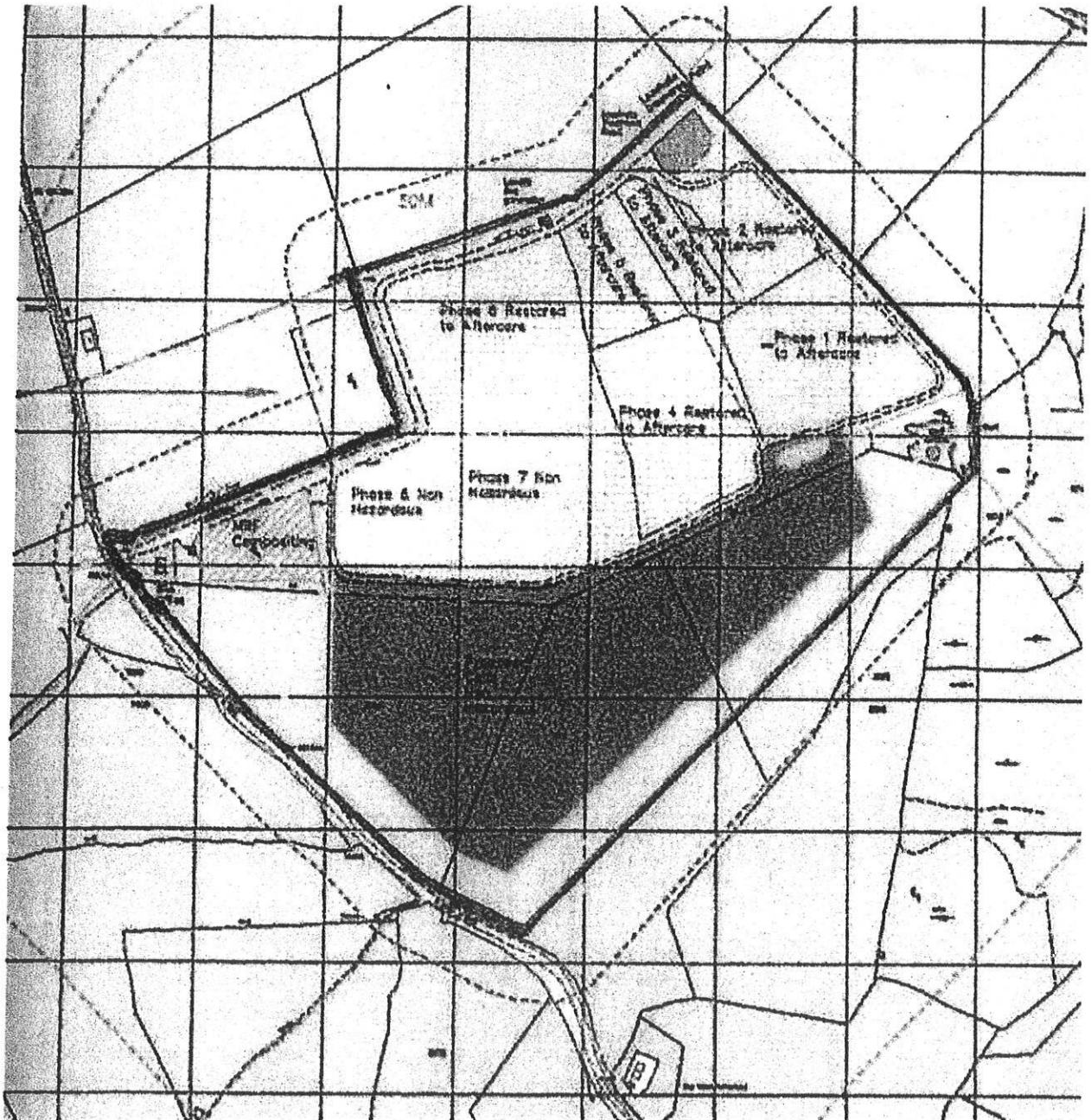
Schedule 3 - Forms to be used

Table S3:Reporting Forms		
Media/parameter	Form Number	
Air (Flare only)	}	} Reporting format to be agreed in writing with the Agency.
Surface Water	}	
Foul Water	}	
Ground Water	}	
Dust	}	
Landfill Gas	}	
Leachate	}	
Waste Return	}	

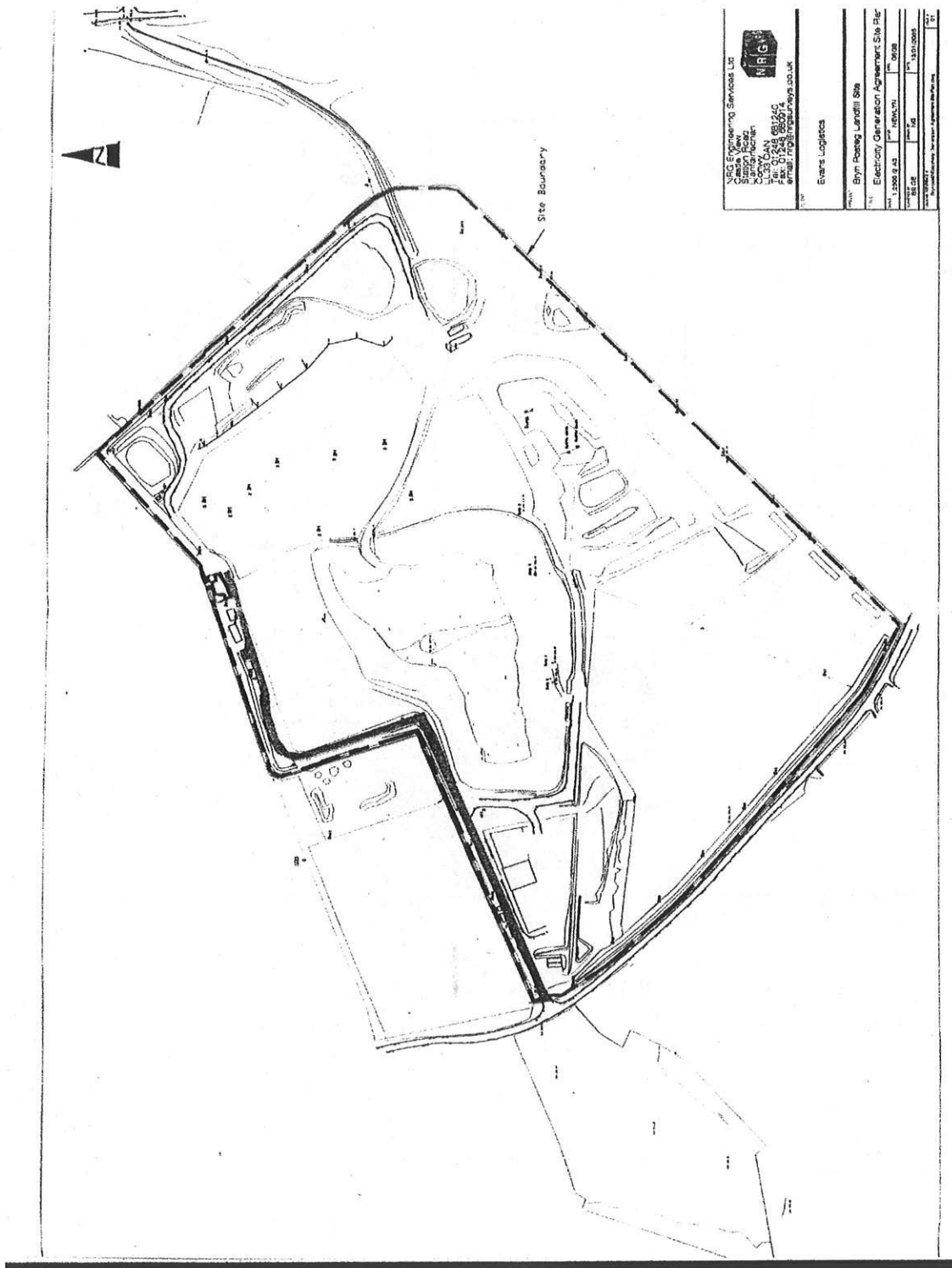
7. Schedule 5

Schedule 5 - Site Plan

Plan No. 1:

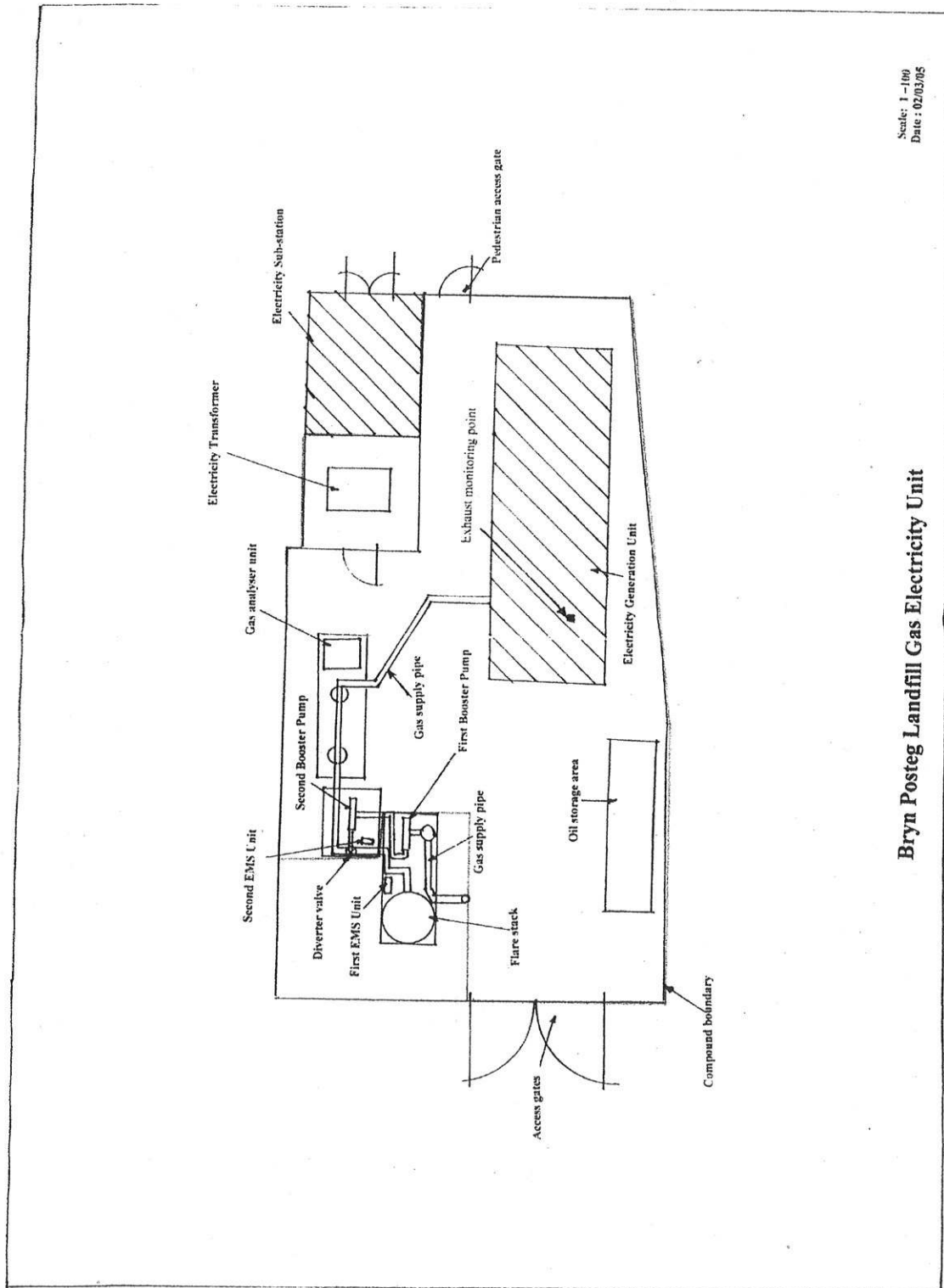


Plan No. 2:



NRG NRG Engineering Services Ltd Station Road Kington Leicestershire LE12 0JN Tel: 01530 851240 Fax: 01530 850774 Email: nrg@nrgservices.co.uk	
Event Logistics	
Bryn Pwll Llandudno Site	
Electricity Generation Agreement Site Plan	
Scale	1:1000
Drawn	13/05/05
Check	13/05/05
Approved for Issue Date: 13/05/05 By: [Signature]	

Plan No. 3:



Bryn Posteg Landfill Gas Electricity Unit

