



**ENVIRONMENT
AGENCY**

Variation Notice with introductory note

Pollution Prevention and Control (England & Wales) Regulations 2000

Nantycaws Generation Plant

Novera Energy Generation No. 2
Limited

Nantycaws Landfill Site

Llanddarog Road

Nantycaws

Camarthenshire

SA32 8BG

Variation Notice Number

JP3235MR

Permit number

LP3038SU

Nantycaws Generation Plant
Permit Number JP3235MR

Introductory note

This introductory note does not form a part of the permit

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 1 containing conditions to be deleted, schedule 2 conditions to be amended and schedule 3 conditions to be added.

| Detail | Date | Response Date |
|-------------------------------------|------------------------|-----------------------|
| Application LP3038SU | Received 03/12/04 | |
| Response to request for information | Request dated 17/01/05 | 11/02/05 and 17/02/05 |
| Response to request for information | Request date 09/02/05 | 23/02/05 |
| Permit determined | 28/04/05 | |
| Variation application JP3235MR | Received 05/10/06 | |
| Variation Permit determined | 01/12/06 | |

Other PPC Permits relating to this installation

| Permit holder | Permit Number | Date of Issue |
|----------------------|----------------------|----------------------|
| CWM Environmental | CP3735PB | 02/08/05 |

Superseded Licences/Authorisations/Consents relating to this installation

| Holder | Reference Number | Date of Issue |
|-------------------|-------------------------|----------------------|
| CWM Environmental | SWW160L EAWML/34144 | 28/02/97 |

Other existing Licences/Authorisations/Registrations relating to this site

| Holder | Reference Number | Date of issue |
|----------------|-------------------------|----------------------|
| Not applicable | | |

End of Introductory Note

Variation Notice

Pollution Prevention and Control
(England and Wales) Regulations 2000

Variation Notice

Permit number

LP3038SU

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JP3235MR

The Environment Agency (the Agency) in exercise of its powers under Regulation 17 of the Pollution Prevention and Control (England and Wales) Regulations 2000 (SI 2000 No 1973) hereby varies the permit held by you

Novera Energy Generation No. 2 Limited (“the operator”),
whose registered office is

**2nd Floor, Malt Building
Wilderspool Park
Greenalls Avenue
Warrington
Cheshire
WA4 6HL**

company registration number 2366593

to operate an installation at

**Nantycaws Landfill Site
Llanddarog Road
Nantycaws
Carmarthenshire
SA32 8BG**

to the extent set out in schedules 1 to 3 of this variation notice .

The notice shall take effect from 11/12/2006

| Signed | Date |
|--------|------------|
| | 01/12/2006 |

Audrey Evans

Authorised to sign on behalf of the Agency

SCHEDULE 1 – CONDITIONS TO BE DELETED

None

SCHEDULE 2 – CONDITIONS TO BE AMENDED

1.1 Permitted Activities

1.1.1 The Operator is authorised to carry out the activities and the associated activities specified in Table 1.1.1.

| Activity listed in Schedule 1 of the PPC Regulations / Associated Activity | Description of specified activity | Limits of specified activity |
|--|---|---|
| Section 1.1A1 (b)(iii) : Burning any fuel manufactured from, or comprising , any other waste in an appliance with a rated thermal input of greater than 3 megawatts (MW) | Generating electricity from landfill gas utilising spark ignition engines | Receipt of pre-treated landfill gas to emission of combustion products, does not include gas collection and delivery from landfill site or treatment of collected condensate. |

2.1.1 The Permitted Installation shall, subject to the conditions of this Permit, be operated using the techniques and in the manner described in the documentation specified in Table 2.1.1, or as otherwise agreed in writing by the Agency in accordance with conditions 1.5.1 and 1.5.2 of this Permit.

| Table 2.1.1: Operating techniques | | |
|-----------------------------------|--|---------------|
| Description | Parts | Date Received |
| Application | The response to questions 2.1 and 2.2 given in pages 9-18, section 2.1-2.2, of the application | 01/12/04 |
| Variation Application | The responses to the questions in section C2 of the variation application. | 05/10/06 |

2.2.1.2 Emissions to air from the emission points in Table 2.2.1 shall only arise from the source specified in that Table.

Table 2.2.1 : Emission points to air

| Emission point reference or description | Source | Location of emission point |
|---|----------------------------------|---|
| A1 No 1 engine 6.8 metre stack | Landfill gas combustion products | Jenbacher Genset exhaust stack Engine No1 as shown on figure 2.4 'Emission Points' |
| A2 No 2 engine 6.8 metre stack | Landfill gas combustion products | Jenbacher Genset exhaust stack Engine No2 as shown on figure 2.4 'Emission Points' |

2.2.1.3 The limits for emissions to air for the parameters and emission point set out in Table 2.2.2 shall not be exceeded.

Table 2.2.2 : Emission limits to air and monitoring

| Emission point reference | Parameter | Limit (including Reference Period) ¹ | Monitoring frequency | Monitoring method |
|--------------------------|---|---|----------------------|--|
| A1 and A2 | Oxides of Nitrogen (NO _x) | 650 mg/m ³ | Annual | ISO 10849: 1996 |
| A1 and A2 | Carbon Monoxide (CO) | 1500 mg/m ³ | Annual | ISO 12039: 2001 |
| A1 and A2 | Total Volatile Organic Compounds (VOCs) | 1750 mg/m ³ | Annual | BS EN 12619: 1999 or BS EN 13526: 2002 |
| A1 and A2 | Total Non-Methane Volatile organic Compounds (NMVOCs) | 150 mg/m ³ | Annual | BS EN 13526 :2002 |

Note 1: See Section 6 for reference conditions

2.2.8.1 The Operator shall comply with the requirements specified in Table 2.2.11, which supplement or replace emission limit values in accordance with Regulation 12(8) of the PPC Regulations.

Table 2.2.11 Equivalent parameters and technical measures

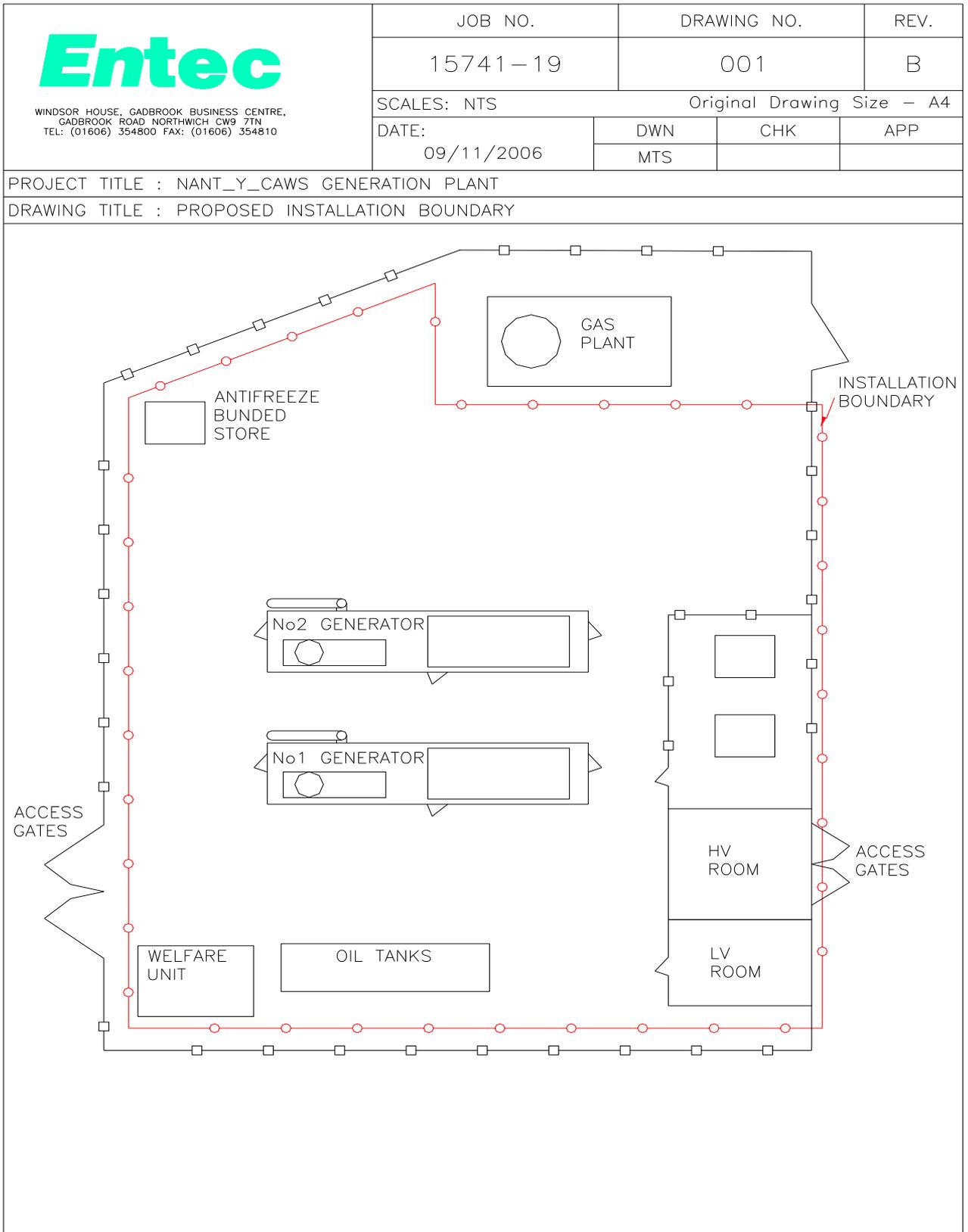
| Parameter or measure | Requirement or description of measure, and frequency if relevant |
|----------------------|--|
| Landfill gas quality | Full analysis of the constituents of the Landfill gas fuel having regard to Agency Guidance LFTGN 04 September 2004. Sample to be taken after treatment (condensate removal) as close as possible to the inlet points to the engines. Analysis results should be submitted to the Agency on an annual basis as set out in Schedule 2, and conditions 4.1.2 and 4.1.3. of permit LP3038SU as amended by variation JP3235MR. |

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.

| Parameter | Emission point | Reporting period | Period begins |
|--|----------------|------------------|---------------|
| Oxides of nitrogen (As NO ₂) mg m ⁻³ | A1, A2 | Annually | 01/01/07 |
| Carbon Monoxide (CO) mg/m ⁻³ | A1, A2 | Annually | 01/01/07 |
| Volatile organic Compounds (VOCs) mg m ⁻³ | A1, A2 | Annually | 01/01/07 |
| Total Non-methane volatile organic compounds (NMVOCs) | A1, A2 | Annually | 01/01/07 |
| Landfill gas quality | - | Annually | 01/01/07 |

Schedule 5 site plan



SCHEDULE 3 – CONDITIONS TO BE ADDED

None

End of Variation Notice.