



**This form will report compliance with your permit as determined by an NRW officer**

|                                        |                                                                              |               |              |  |             |        |                 |       |
|----------------------------------------|------------------------------------------------------------------------------|---------------|--------------|--|-------------|--------|-----------------|-------|
| Site                                   | Llanddulas Composting Facility                                               |               |              |  | Permit Ref  | 103416 |                 |       |
| Operator/ Permit holder                | 3 C Waste Ltd                                                                |               |              |  |             |        |                 |       |
| Date                                   | 04/09/2013                                                                   |               |              |  | Time in     | 14:00  | Out             | 16:30 |
| What parts of the permit were assessed | Site operations, odour control procedures and bioaerosol monitoring returns. |               |              |  |             |        |                 |       |
| Assessment                             | Site Inspection                                                              | EPR Activity: | Installation |  | Waste Op    | X      | Water Discharge |       |
| Recipient's name/position              | Peter Taberner / Unit Manager                                                |               |              |  |             |        |                 |       |
| Officer's name                         | Aled Zachary                                                                 |               |              |  | Date issued |        | 17/09/2013      |       |

### Section 1 - Compliance Assessment Summary

This is based on the requirements of the permit under the Environmental Permitting Regulations. A detailed explanation and any action you may need to take are given in the "Detailed Assessment of Compliance" (section 3). This summary details where we believe any non-compliance with the permit has occurred, the relevant condition and how the non-compliance has been categorised using our Compliance Classification Scheme (CCS). CCS scores can be consolidated or suspended, where appropriate, to reflect the impact of some non-compliances more accurately. For more details of our CCS scheme, contact your local office.

#### Permit Conditions and Compliance Summary

#### Condition(s) breached

|                                                      |                                                      |    |        |
|------------------------------------------------------|------------------------------------------------------|----|--------|
| a) Permitted activities                              | 1. Specified by permit                               | A  |        |
| b) Infrastructure                                    | 1. Engineering for prevention & control of pollution | A  |        |
|                                                      | 2. Closure & decommissioning                         | N  |        |
|                                                      | 3. Site drainage engineering (clean & foul)          | N  |        |
|                                                      | 4. Containment of stored materials                   | A  |        |
|                                                      | 5. Plant and equipment                               | A  |        |
| c) General management                                | 1. Staff competency/ training                        | N  |        |
|                                                      | 2. Management system & operating procedures          | C4 | 3.2.1; |
|                                                      | 3. Materials acceptance                              | A  |        |
|                                                      | 4. Storage handling, labelling, segregation          | A  |        |
| d) Incident management                               | 1. Site security                                     | A  |        |
|                                                      | 2. Accident, emergency & incident planning           | N  |        |
| e) Emissions                                         | 1. Air                                               | A  |        |
|                                                      | 2. Land & Groundwater                                | A  |        |
|                                                      | 3. Surface water                                     | N  |        |
|                                                      | 4. Sewer                                             | N  |        |
|                                                      | 5. Waste                                             | A  |        |
| f) Amenity                                           | 1. Odour                                             | A  |        |
|                                                      | 2. Noise                                             | A  |        |
|                                                      | 3. Dust/fibres/particulates                          | A  |        |
|                                                      | 4. Pests, birds & scavengers                         | A  |        |
|                                                      | 5. Deposits on road                                  | A  |        |
| g) Monitoring and records, maintenance and reporting | 1. Monitoring of emissions & environment             | A  |        |
|                                                      | 2. Records of activity, site diary, journal & events | A  |        |
|                                                      | 3. Maintenance records                               | N  |        |
|                                                      | 4. Reporting & notification                          | A  |        |
| h) Resource efficiency                               | 1. Efficient use of raw materials                    | N  |        |
|                                                      | 2. Energy                                            | N  |        |

**KEY:** C1, C2, C3, C4 = CCS breach category (\* suspended scores are marked with an asterisk),  
A = Assessed (no evidence of non-compliance), N = Not assessed, NA = Not Applicable

|                             |   |                                                              |     |
|-----------------------------|---|--------------------------------------------------------------|-----|
| Number of breaches recorded | 1 | Total compliance score<br>(see section 5 for scoring scheme) | 0.1 |
|-----------------------------|---|--------------------------------------------------------------|-----|

If the Total No Breaches is greater than zero, then please see Section 3 for details of our proposed enforcement response

|                         |          |
|-------------------------|----------|
| INITIALS                | DATE     |
| OK FOR PUBLIC REGISTER  | 25/11/13 |
| COPY TO PUBLIC REGISTER | JB EDrm  |

## Section 2 – Compliance Assessment Report Detail

This section contains a report of our findings and will usually include information on:

- the part(s) of the permit that were assessed (e.g. maintenance, training, combustion plant, etc)
- where the type of assessment was 'Data Review' details of the report/results triggering the assessment
- any non-compliances identified
- any non-compliances with directly applicable legislation
- details of any multiple non-compliances
- information on the compliance score accrued inc. details of suspended or consolidated scores.
- details of advice given
- any other areas of concern
- all actions requested
- any examples of good practice.
- a reference to photos taken

This report should be clear, comprehensive, unambiguous and completed within 14 days of an assessment.

### Procedures and Operations for the reduction of odour.

**Requirements** - Permit condition 3.1.1 states: Emissions of substances not controlled by emission limits (excluding odour) shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved emissions management plan, have been taken to prevent or where that is not practicable, to minimise, those emissions.

**Findings** - The proposed engineering of a new concrete composting pad on site was discussed. Management has approved capital expenditure for construction of an engineering pad, with construction due to commence in early October. It is anticipated the pad will be completed by January 2014, with the improvement condition within the permit allowing up to the end of March 2014 to complete the construction. Once the composting pad is complete this will allow the site to move to an open windrowing process as opposed to the ecopod / agbag system currently in use. It is anticipated that moving to open windrow composting will give a greater degree of control over the process and a reduction in the potential for odour creation as a result.

Consideration is also being given to the use of an AfOR approved additive that reduces odour in the compost. Once the site has moved to open windrowing this additive would be sprayed onto the windrow and incorporated into the compost once the windrow is turned. This has been trialled at other sites and proven to be successful at reducing odour / complaints regarding off-site odour.

Current odour controls include a site perimeter and mobile deodorising unit and monitoring of ecopods on a daily basis to ensure the process remains aerobic in nature (cold spots / anaerobic sections within the pod could lead to sulphurous odours being generated).

It is recommended the following actions are undertaken to reduce odour as far is practicable until the construction of the new composting infrastructure:

- A deodoriser (spray bar) should be fitted to the shredder unit when in operation.
- Shredding should only be carried out in favourable meteorological conditions.
- Off-site olfactory monitoring should be carried out when shredding / bagging of green waste, in addition to the daily odour checks by the site supervisor.
- The perimeter deodorising system should be upgraded to ensure there is sufficient coverage.
- The site's odour management plan should be updated to reflect current site activities.

### Bioaerosol Monitoring.

**Requirements** - The operator shall, unless otherwise agreed in writing by the Environment Agency, undertake the monitoring specified in the following tables in schedule 3 to this permit: (a) process monitoring specified in table S3.1; (b) bioaerosol monitoring specified in table S3.2.

**Findings** - Bioaerosol monitoring carried out in January and June 2013 has been reviewed. During the January monitoring exercise Mesophilic bacteria and *Aspergillus fumigatus* were estimated to be above guidance levels for exposure 25-50m downwind of shredding and material movement, although other monitoring points (including off-site) were compliant with the guidance levels. Sampling carried out in June demonstrated a similar trend with the sampling point immediately downwind of operations exceeding guidance levels although off-site monitoring points remained compliant.

As a result of the monitoring findings site operatives and visitors to the composting operation have been instructed to wear respiratory protective equipment.

Breaches of the guidance limits noted above have not been scored as breach of permit conditions pending further sampling due to assess any long term trends or evidence of off-site impact.

|                                                                                                                                                   |                                                                                          |        |                           |
|---------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|--------|---------------------------|
|  <b>Cyfoeth Naturiol Cymru</b><br><b>Natural Resources Wales</b> | <b>EPR Compliance Assessment Report</b>                                                  |        | Report ID: 103416/0188745 |
|                                                                                                                                                   | <b>This form will report compliance with your permit as determined by an NRW officer</b> |        |                           |
| Site                                                                                                                                              | Llanddulas Composting Facility                                                           | Permit | 103416                    |
| Operator/ Permit                                                                                                                                  | 3 C Waste Ltd                                                                            | Date   | 04/09/2013                |

|                                                                                                                                                                                                                                                                                                                                                    |          |                                                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------------------------------------------------|
| <b>Section 3- Enforcement Response</b>                                                                                                                                                                                                                                                                                                             |          | <b>Only one of the boxes below should be ticked</b> |
| You must take immediate action to rectify any non-compliance and prevent repetition.<br>Non-compliance with your permit conditions constitutes an offence and can result in criminal prosecutions and/or suspension or revocation of a permit. Please read the detailed assessment in Section 2 and the steps you need to take in Section 4 below. |          |                                                     |
| Other than the provision of advice and guidance, at present we do not intend to take further enforcement action in respect of the non-compliance identified above. This does not preclude us from taking enforcement action if further relevant information comes to light or advice isn't followed.                                               | <b>X</b> |                                                     |
| In respect of the above non-compliance you have been issued with a warning. At present we do not intend to take further enforcement action. This does not preclude us from taking additional enforcement action if further relevant information comes to light or offences continue.                                                               |          |                                                     |
| We will now consider what enforcement action is appropriate and notify you, referencing this form.                                                                                                                                                                                                                                                 |          |                                                     |

| <b>Section 4- Action(s)</b>                                                                                                                                                                                              |              |                                                                                  |          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------------------------------------------------------------------------------|----------|
| Where non-compliance has been detected and an enforcement response has been selected above, this section summarises the steps you need to take to return to compliance and also provides timescales for this to be done. |              |                                                                                  |          |
| Criteria Ref.                                                                                                                                                                                                            | CCS Category | Action Required/Advised                                                          | Due Date |
| See Section 1 above                                                                                                                                                                                                      |              |                                                                                  |          |
| C2                                                                                                                                                                                                                       | C4           | Submit an updated odour management plan referencing the revised site operations. | 31/10/13 |

## Section 5 - Compliance notes for the Operator

To ensure you correct actual or potential non-compliance we may

- advise on corrective actions verbally or in writing
- require you to take specific actions in writing
- issue a notice
- require you to review your procedures or management system
- change some of the conditions of your permit
- decide to undertake a full review of your permit

Any breach of a permit condition is an offence and we may take legal action against you.

● We will normally provide advice and guidance to assist you to come back into compliance either after an offence is committed or where we consider that an offence is likely to be committed. This is without prejudice to any other enforcement response that we consider may be required.

● Enforcement action can include the issue of a formal caution, prosecution, the service of a notice and or suspension or revocation of the permit.

**See our Enforcement and Civil Sanctions guidance for further information**

This report does not relieve the site operator of the responsibility to

- ensure you comply with the conditions of the permit at all times and prevent pollution of the environment
- ensure you comply with other legislative provisions which may apply.

### Non-compliance scores and categories

| CCS category | Description                                                                 | Score |
|--------------|-----------------------------------------------------------------------------|-------|
| C1           | A non-compliance which could have a <b>major</b> environmental effect       | 60    |
| C2           | A non-compliance which could have a <b>significant</b> environmental effect | 31    |
| C3           | A non-compliance which could have a <b>minor</b> environmental effect       | 4     |
| C4           | A non-compliance which has <b>no</b> potential environmental effect         | 0.1   |

**Operational Risk Appraisal (Opra)** - Compliance assessment findings may affect your Opra score and/or your charges. This score influences the resource we use to assess permit compliance.

## Section 6 – General Information

### Data protection notice

The information on this form will be processed by the Natural Resources Wales (NRW) to fulfill its regulatory and monitoring functions and to maintain the relevant public register(s). The NRW may also use and/or disclose it in connection with:

- offering/providing you with its literature/services relating to environmental matters
- consulting with the public, public bodies and other organisations (e.g. Health and Safety Executive, local authorities) on environmental issues
- carrying out statistical analysis, research and development on environmental issues
- providing public register information to enquirers
- investigating possible breaches of environmental law and taking any resulting action
- preventing breaches of environmental law
- assessing customer service satisfaction and improving its service
- Freedom of Information Act/Environmental Information Regulations request.

The NRW may pass it on to its agents/representatives to do these things on its behalf. You should ensure that any persons named on this form are informed of the contents of this data protection notice.

### Disclosure of information

The NRW will provide a copy of this report to the public register(s). However, if you consider that any information contained in this report should not be released to the public register(s) on the grounds of commercial confidentiality, you must write to your local area office within twenty working days of receipt of this form indicating which information it concerns and why it should not be released, giving your reasons in full.

### Customer charter

#### What can I do if I disagree with this compliance assessment report?

If you are unable to resolve the issue with your site officer, you should firstly discuss the matter with the officer's line managers. If you wish to raise your dispute further through our official Complaints and Commendations procedure, phone our general enquiry number 0300 065 3000 (Mon to Fri 08.00–18.00) and ask for the Customer Contact team or send an email to [enquiries@naturalresourceswales.gov.uk](mailto:enquiries@naturalresourceswales.gov.uk). If you are still dissatisfied you can make a complaint to the Public Services Ombudsman for Wales. For advice on how to complain to the Ombudsman phone their helpline on 0845 607 0987.