

**Notice of request for more information**  
Environmental Permitting (England and Wales)  
Regulations 2016

## Notice requiring further information

To: Mrs. Rosemarie Hilda Carter  
Beeston Lodge  
Beeston Lane  
Spixworth  
Norwich  
NR10 3TN

Application number: PAN - 000505

Natural Resources Wales, in exercise of its powers under paragraph 4 of Part 1 of Schedule 5 of the above Regulations, requires you to provide the information detailed in the attached schedule. The information is required in order to determine your application for a permit, dated 25<sup>th</sup> July 2016. The information requested should be sent to the following address by the 20<sup>th</sup> February 2017.

Information should be sent to:

Wales Permitting Centre  
Natural Resources Wales  
Cambria House  
29 Newport Road  
Cardiff  
CF24 0TP

Name	Date
<b>Saul White</b>	<b>23<sup>rd</sup> January 2017</b>

Authorised on behalf of Natural Resources Wales

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Canolfan Trwyddedu Cymru (Caerdydd), Cyfoeth Naturiol Cymru, Tŷ Cambria, 29 Heol Casnewydd, Caerdydd. CF24 0TP  
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Correspondence welcomed in Welsh and English



## Schedule

Further information is required in relation to your containment measures and site drainage. The additional information that we require is itemised below;

### Site Drainage

1. Please provide further information stating how you propose to ensure surface water manhole covers within the dirty yard areas between the silage clamps and hoppers etc. are suitably sealed to prevent ingress of contaminated water.
2. Please provide details in regards to how the concrete apron/yard will be re-instated following cutting/excavations operations to re-lay the drainage system and how there will be no future risk of ground contamination from operations.
3. Valves used on the system should be suitable for use and ensure effective sealing when closed, please provide details on the above mentioned valves.
4. Please provide further information on how the redundant drainage legs between the clamps and the surface water drainage system will be sealed/isolated to prevent any future risk of surface water contamination (consideration must be given to acidic nature of silage liquor with regards to proposed solution).

### Containment – Dryer Hall

5. Clarification is required as to the potential volume of any other stored liquids in addition to the tanks already considered within the dryer hall.
6. With regards to the height of the upstands there is a need to ensure that the bund capacity allows for the loss of bund volume due to existing plant and equipment located on the floor of the bunded area. Clarification is required with respect to any potential further bund capacity reductions for example any proposals to locate a small site office in the building or the storage of additional materials etc.
7. Please provide details and confirm the use of localised deflector plates to prevent spillage from height etc.
8. Please provide details of the sealant to be used with the upstands within the dryer hall.
9. The metal upstands must be constructed of acid resistant metal due to the presence of sulphuric acid within the building. Please provide details of the materials used for the proposed upstands.

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10. There is a drain within the dryer hall that will be within the bunded area. We require clarification on what is to be done with this drain.
11. A leak detection system/alarm is required within the bunded area to detect tank failure/spillage, alert personnel and stop pumps that are sending liquids to the dryer hall to prevent overtopping as it is proposed that the plant will operate 24/7. Please provide details of the proposed leak detection system/alarm to be used.

### **Containment – Process Tank Separator Area**

12. As proposed in the original Schedule 5 response; a low level upstand set in very close proximity to tanks and pipework is unlikely to be effective at containing sudden tank failure or spills from a height such as a jetting leak from a tank or pipework. There are also concerns regarding durability and maintenance of the upstands and therefore their ability to effectively contain a spill long term. For the current proposal, a calculation has been provided for a 1 in 10 (10% AEP) rainfall event over 3 days (assuming no holding tank emptying). This volume would fill the containment tank. Presuming a 10% AEP rainfall over 24hrs with no holding tank emptying, the capacity would not be adequate to contain the failure of the largest tank. Please provide an alternative proposal for bunding the area mentioned above.
13. Please clarify if the tanks are hydraulically linked. CIRIA 736 recommends that hydraulically linked tanks are treated as a single tank and therefore require 110% containment. This would amount to total containment volume of 52m<sup>3</sup>. In the scenario proposed in the original Schedule 5 response the containment would be undersized. This will need to be factored in to any proposals submitted for the bunding.
14. Please provide details for the use of spill alarms/leak detection and interlocks to stop pumping of liquids to plant operating in the bund.
15. Please confirm what tank overfill protection is in place and provide details of the system.

### **Surface Water lagoon**

16. Please provide details of the construction materials and methods (Construction Quality Assurance) used for the surface water lagoon and details of any leak detection carried out.

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