



## **Decision document for a microwave induced pyrolysis plant**

(1) Huntingdonshire District Council has made a final decision as the regulator upon the application from the company known as Enval Ltd at 23 Science Park (Innovation Centre) Milton Road Cambridge CB4 0EY for a permit to operate a microwave induced pyrolysis plant at the following installation

Building 110 & 118, Alconbury Airfield

Ermine Street

Little Stukeley

Cambridgeshire

PE28 4WX.

(2) The Council received 1 representation(s) from the public during the 20-working day period of consultation upon the draft determination from 6 August 2012 to 31 August 2012. The Council has decided to issue a permit to the operator. The details of this decision and the representation(s) are available to view on the public register free of charge. It is held at Huntingdonshire District Council, Pathfinder House, St Mary's Street, Huntingdon, PE29 3TN and can be viewed **Monday to Thursday between the hours of 9am to 5pm and Friday 9am to 4.30pm.**

**Application consultation responses:**

Consultee	Comments
NHS Cambridgeshire	No concerns but FSA should be consulted where there is the potential for deposition on land used for the growing of food crops or animal rearing.

**Draft permit conditions justifications:**

Condition	Justification
1	To protect the environment from excessive emissions. Emission limits and frequency take from Environment Agency Guidance for monitoring landfill gas engine emissions as no other guidance available.
2	To protect the environment from excessive emissions. Emission limits and frequency take from Environment Agency Guidance for monitoring landfill gas engine emissions as no other guidance available.
3	To protect the environment from excessive emissions. Emission limits and frequency take from Environment Agency Guidance for monitoring landfill gas engine emissions as no other guidance available.
4	To protect the local environment.
5	To comply with the Waste Incineration Directive (WID) by proving that these pollutants are not being emitted.
6	To protect the environment and sensitive receptors.
7	To protect surface and groundwater.
8	To protect the environment from the company's activities.
9	To comply with WID and to ensure that the site does not accept unsuitable materials.
10	To ensure that no noncompliant material gets into the process.
11	To allow the operator to explore other materials for suitability.
12	To prevent suitable loads becoming uncontaminated with unsuitable material.
13	Clear up of accidents prevents excessive emissions escaping off site and investigation of accidents can prevent them from occurring again.
14	Suitable record keeping is essential to ensure compliance with permit conditions.
15	To prove compliance with emission limit values and allow the regulator to witness the testing.
16	To prove compliance with emission limit values.
17	To protect the environment.
18	To ensure that the local authority can prepare any contingency plans if necessary to ensure the public are protected.

19	To protect the local environment.
20	To protect the local environment.
21	To protect the local environment.
22	To protect the local environment.
23	To protect the environment from unabated releases.
24	To protect the environment from unabated releases.
25	To ensure adequate dispersions in order to protect the local environment.
26	To ensure adequate dispersions in order to protect the local environment.
27	To protect the local environment.
28	To ensure adequate dispersions in order to protect the local environment.
29	Failure of such equipment can have a negative impact on the environment and human health.
30	An effective environment management system will help the operator maintain compliance with regulatory requirements.
31	To enable the water environment to be properly protected in the event of any spillages.
32	To ensure consistency and transparency with any complaints.
33	Suitable training will prevent accidents occurring which will prevent unauthorised emissions being released.
34	Suitable training will prevent accidents occurring which will prevent unauthorised emissions being released.
35	Preventing incidents from happening or minimising incidents when occurring will prevent excessive emissions affecting the environment.
36	Standard condition to ensure that BAT is used.
37	Standard condition to enable the regulator to keep abreast of any changes and assess them in relation to the permit conditions and any substantial changes.

#### **Draft permit consultation responses:**

Response from applicant:	
Comment:	Decision:
Last line on Page 1, there is also an emergency pressure release valve which does not flare.	Included
In the table on page 2, in the section at the bottom describing the standard conditions the degree symbol needs to be a superscript - not 0oC.	Amended

Section 5) the word "month" has been left out.	Included
Section 14) the word "be" has been omitted:...The records shall <i>be</i> ..	Included
Section 18b) we suggest we tie down what is considered Key Plant - e.g. to Flare failure or the Pressure Release Valve? We don't think you want us to report when a screw feeder gets blocked.	Changed to In the event of failure of any key plant resulting in the use of the flare or the pressure release valve.
Section 23) again we need to add the emergency pressure release valve to this list.	Added
Section 27) we thought we'd discussed this at our meeting in Cambridge and agreed that we didn't need to do anything further than what was already there?	Recommended and agreed to change to "The operator shall ensure that all operational and storage areas are equipped with an impervious surface and storage areas are either inside a building or equipped with an impervious surface, spill containment kerbs, sealed construction joints and connected to a sealed drainage system or such alternative requirements as approved by the regulator."
There is a typo in the title between Sections 29 and 30. Management.	Changed
Typo in Section 32) "a competent person".	Changed
Page 1. Second from last paragraph, change "natural gas" for "propane".	Changed
Page 1. Our suggestion would be to change the last paragraph to "Possible emission points relate from spillages from raw materials and products produced as well as emissions to atmosphere from the generator, emergency flare and emergency relief valve, the latter one present for safety purposes in case of overpressure in the kiln."	Agreed and changed
Point 12. We don't have separate storage areas and all the material has to be in unit 110.	Recommended and agreed to change to "Any wastes agreed with condition 11 that causes breaches of any permit condition shall ceased being used and any other material contaminated with this material stream shall be disposed of to a suitably licensed premise."
Point 18b. Please could we also add the phrase "that results in an unexpected emission".	Agreed and changed
Responses from other interested parties	
No responses received.	