



## FEMAS Sector Note No. 7 – Distilling and Malting

These Sector Notes apply to businesses producing [or placing on the market](#) distillery and malt by-products for use [as](#) animal feed.

These Notes are not exhaustive, are intended to assist in the application of the corresponding requirements of the FEMAS Standard and are not to be considered in isolation.

**Section 1** of these Sector Notes includes definitions of specific relevance to this sector.

**Section 2** of these Sector Notes includes additional sector-specific information to assist Participants in complying with **Requirements, Interpretation, Guidance and Further Information** of the FEMAS Scheme. The FEMAS Scheme Rules provide the following definitions:

**Requirement** – Sets mandatory standards with which Applicants and Participants must comply to achieve and maintain certification.

**Interpretation** – Provides specific means for Applicants and Participants to achieve the desired outcome of the preceding Requirement. Applicants and Participants are expected to consider Interpretation and apply as relevant to their business. Failure to follow interpretation, resulting in the desired outcome of the Requirement not being achieved will lead to a non-conformance being raised against the requirement.

**Guidance** – Non-mandatory suggestions of useful tools and techniques for achieving and maintaining compliance or continuous improvement.

**Further information** – External sources of useful information, typically including references/web links to documents or other sources of information.

**NOTE: Revisions introduced in this edition of the Sector Notes are highlighted in Blue.**

### 1 Definitions

<b>Distillery &amp; Malt By-Products</b>	By-products derived from the production of malt and distilled spirits for human consumption. Including but not limited to draff, pot ale, pot ale syrup, distillers' grains, malt rootlets, screenings.
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## 2 Sector-Specific Notes

HACCP and Feed Safety Risk Assessment		
<b>B 1.7</b>	<i>Interpretation</i>	<p><i>Sector-specific potential hazards include but are not limited to:</i></p> <ul style="list-style-type: none"> <li>• <i>Contamination or damage of raw materials during drying undertaken by suppliers (e.g. presence of partially combusted fuels, heavy metals, <b>Dioxins and PCBs</b>, and product burnt during drying)</i></li> <li>• <i>The presence of undesirable weed seeds</i></li> <li>• <i>The Presence of N-nitrosodimethylamine (NDMA)</i></li> <li>• <i>The concentration of contaminants in by-products/ co-products</i></li> <li>• <i>Potential presence of Mycotoxins due to growing, harvest and storage conditions</i></li> <li>• <i>The effect on the quality of water drawn from rivers and streams in times of spate or flooding</i></li> <li>• <i>Potential hazards should be considered where the smoke generated from peat burning is brought into direct contact with the Malt. In addition to potential chemical contaminants carried in the smoke, the effect on palatability of feed smelling of smoke should be considered.</i></li> </ul>

Third Party Contracted Transport		
<b>E 3</b>	<i>Interpretation</i>	<p><i>Bulk hauliers hired by a FEMAS Participant to carry Pot Ale, which is to be transported for further processing prior to being placed on the market as a feed, will be considered by FEMAS to be raw material hauliers and the requirements under <b>E 3.1 and E 3.2</b> therefore apply in these circumstances.</i></p> <p><i>This activity should be included in the FEMAS Participant's scope of certification.</i></p>

Sales Contracts/Agreements/Feed Specifications		
<b>F 1.1</b>	<i>Interpretation</i>	<p><i>Sensitivity to copper toxicity in feed varies by species. Where copper is a hazard, the specification of distillery co-products should therefore include the range of copper content in the feed.</i></p>

<b>Despatch of Feed in Bulk Road Transport</b>		
<b>H 15</b>	<b>Interpretation</b>	<p><i>Where Pot Ale is transported for further processing prior to being placed on the market as a feed, it is considered by FEMAS to be a raw material. The distillery by-products of Spent Lees &amp; Washing Waters are also permitted to be carried in the same tanker (either as a mix or separate), without the requirement for cleaning between individual loads, provided that the tanker is emptied between loads and a risk assessment has been conducted to ensure that there are systems in place to control any potential contaminants.</i></p> <p><i>For the avoidance of doubt, other by-products, bio-sludges and Anaerobic Digestion digestates are not permitted to be carried on this transport.</i></p> <p><i>For the further avoidance of doubt, where Pot Ale is placed directly onto the market as a feed, full compliance with section <b>H15</b> of FEMAS (Despatch of Feed in Bulk Road Transport) will apply.</i></p>

<b>Analysis</b>		
<b>I 5.2</b>	<b>Requirement</b>	<p>Where smoke generated from peat burning is brought into direct contact with the Malt, this must be selected from the list of fuels in the Heat treatment section of the Calculator.</p>



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