

		Vivergo Fuels	
		Integrated Management System Summary	

Document Title: Integrated Management System Summary

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1 Vivergo Fuels Business Overview

Vivergo Fuels (VFL) is an ABF Sugar business. The primary business activity is to produce bio-ethanol and animal feed from a feed grade wheat feedstock. During operation, VFL...

- Is one of the largest producers of Ethanol in Europe.
- Consumes 1.2 million tonnes of wheat per annum.
- Produces approx. 410kte of Ethanol per annum.
- Produces 440kte of high protein animal feed per annum.
- Delivers greenhouse gas savings in excess of 50% when compared to fossil fuels.

We operate an Integrated Management System (IMS) that applies to all business activities associated with the operation of a bio-ethanol and animal feed plant at Vivergo Fuels Ltd. (VFL). All activities shall be undertaken in a manner that ensures we meet our compliance obligations including maintaining certification to...

- BS EN ISO 14001:2015 Environmental Management Systems
- BS EN ISO 50001:2018 Energy Management System

...and aspiring to the principles of...

- BS EN ISO45001:2018 Health and Safety Management System
- BS EN ISO 9001:2015 Quality Management Systems

2 Scope

Our IMS manual details the scope of each certification. This includes physical site boundaries as well as the processes and products that are covered. Key processes, support processes and the manufacturing sub-processes within VFL are detailed in process maps.

3 Vivergo Management System Policies

There are four overarching policies that cover Safety, Health and Environment, Energy, Quality and Animal Feed Safety. The policies lay out the overall aims and commitments of the organisation for each of the standards we adhere to and are endorsed by Senior Management. Policies are available to external organisations upon request.

4 Management System Objectives

Vivergo is committed to improving HSEQ and business performance. Objectives are set at business and individual levels. They aim to drive business, team and individual performance in these areas.

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5 Control of Documented Information

All documents making up the Integrated Management System are managed and controlled within an Electronic Document Management System (EDMS). This includes policies, operating procedures, supporting documents, records and technical documents. Specifically, there is a procedure for managing any environmental complaints that may be received from neighbours.

6 Responsibilities and Authorities

All roles within organisation have a job description which describes the duties, responsibilities and authorities associated with role. Additionally, procedures detail specific responsibilities and authorities.

7 Management Review

Performance of the business and management system is regularly reviewed by the management team in various different forums. Opportunities for improvements are discussed and actioned.

8 Training and Competency

Vivergo Fuels understand that it is critical to the success of the business that team members have the necessary knowledge, skills and experience to meet the requirements of their roles. Training programmes are in place for roles at all levels of the business and there are mechanisms in place to identify any gaps in skills, knowledge or training. Records are maintained of training and competency.

Competency is also assessed for contractors carrying out any work on the site.

9 Infrastructure

Process equipment, infrastructure and facilities are maintained according to the operational maintenance strategy to ensure it is kept in a safe and sound operational condition, minimising the risk of HSEQ incidents.

All process equipment is listed in the Maintenance Management System and has been assessed for process criticality. Calibration and maintenance records are maintained.

10 Emergency Preparedness and Response

VFL have a local emergency plan in place for dealing with any incidents that could occur on the site. Additionally, more detailed plans are in place for any foreseeable scenarios that have been identified. Front line emergency response to all incidents on the Saltend Chemicals Park is provided by the site landlord.

11 Management of Waste

Any waste produced is carefully managed through specialised waste contractors. The “hierarchy of waste” is applied and waste management legislation is adhered to.

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12 Measurement and Monitoring

The following systems will be used to monitor and control the production processes when the plant is operating:

- DCS: The Distributed Control system will be used by the operations staff to continuously monitor the real-time data from the manufacturing process.
- Laboratory analysis: Samples taken from the process will be tested according to a schedule.
- Data Historian: This database will be used to store and retrieve historical data from the process allowing for review of past and current process performance.
- AVI: Audio visual inspections of the process and products will be a regular on site manual monitoring activity by the operations staff.

13 Internal Audits

Vivergo will carry out internal audits to demonstrate the Management System is fit for purpose and continues to meet the requirements of the business.

14 Risk Assessment

Risk assessment techniques are used in all areas of the business to identify risks and hazards that could result in accidents or incidents that could cause harm to people, the environment, plant or other business risks. Actions are then taken to remove or minimise the risks.

15 Non-Conformance and Corrective Action

Any non-conformities are identified and recorded on an electronic database. Actions to correct the non-conformity are then raised and tracked in the system to ensure the issue is resolved.