

# Engreen Environmental Consultants Ltd.

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**Report Title:** Non-Technical  
Summary

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**Client:** G.H. BY PRODUCTS  
(DERBY) LIMITED

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**Issue Date:** July 2019

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**Report  
Reference:** P171-R06-F2

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**Submitted to:**

Environment Agency

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**Main Contributors:**

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**Authorised for issue by:**



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Report Issue History		
Report Number	Date	Comments
P171-R06-F1	18.06.19	Finalised for Issue
P171-R06-F2	31.07.19	Updated inline with EA Schedule 5 comments.

# 1 Non-Technical Summary

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## 1.1 Introduction

*See Report Ref: P171-R01-F1 – Site Information*

This document is the Non-Technical Summary for the Environmental Permit application for the proposed Park Farm waste storage and transfer facility, located in Willingham-by-Stow The National Grid Reference for the centre of the site is NGR SK 85925 84325.

The farm is currently used to rear cattle for food production. Slurry and wash waters from the farm are collected in a dedicated slurry tank of c.3,800m<sup>3</sup> capacity at the farm. The farm slurry tank is also used for the temporary storage of waste prior to recovery to land for agricultural benefit under deployments agreed by the Environment Agency. The waste storage infrastructure on site is to be expanded to include a new lagoon of c.4,500 m<sup>3</sup> capacity to supplement this existing farm tank.

The wastes to be stored within the lagoon and the farm tank will primarily be:

- slurry and wash waters from the farm;
- wash water / effluents from food manufacturing and processing.

A Bespoke Environmental Permit is required, as storage of wastes within the lagoon and farm tank fall outside of existing Standard Rules sets. The facility is required to apply for an Environmental Permit (EP) in order to comply with the Environmental Permitting (England and Wales) Regulations 2016, SI 2016/1154.

## 1.2 Description of the Facility

*See Report Ref: P171-R01-F1 – Site Information*

*See Report Ref: P171-R05-F1 – Site Drawings*

### 1.2.1 Basic Description

The basic process steps involved at the facility to bulk and transfer waste are:

- Pre-Waste Acceptance Checks – to assess the suitability of wastes prior to their scheduled delivery to site. All wastes deliveries are scheduled, and wastes are to be delivered in tankers / enclosed bowsers.
- Waste Acceptance – inspection of loads to ensure no non-conforming materials are being brought into the facility;
- Waste Reception and Storage – wastes are pumped from the tanker / bowser to the storage tank / lagoon.
- Waste Dispatch - wastes are pumped from the storage tank / lagoon to the tanker / bowser collecting the materials, prior to dispatch with the appropriate documentation.

### 1.2.2 Emissions

There are no point source emissions to air, water or sewer from the site.

### 1.2.3 Fugitive Emissions

Both the farm tank and the lagoon have been designed and constructed to meet Livestock manure and silage storage infrastructure for agriculture (C759) requirements.

The facility will undertake thorough infrastructure and planned preventative maintenance programmes that will be designed to ensure there is no loss of integrity to the systems in place to prevent fugitive emissions to air, land and to controlled waters.

### 1.3 Environmental Risk Assessments

#### 1.3.1 H1 Assessment

*See Report Ref: P171-R02-F1 - H1 Assessment*

The H1 Assessment has identified those processes and activities on site that have the potential to create an environmental impact on identified environmentally sensitive receptors, under normal, abnormal and emergency (accident) scenarios.

The results of the assessment have been summarised in Table 1.3.1 below.

<b>Item Evaluated</b>	<b>Impact Assessed</b>
Amenity (litter / vermin / mud / dust / fire)	Insignificant impact, no further assessment required.
Odour	Insignificant impact, no further assessment required.
Noise	Insignificant impact, no further assessment required.
Fugitive Air Releases	Insignificant impact, no further assessment required.
Surface Water	Insignificant impact, no further assessment required.
Groundwater	Insignificant impact, no further assessment required.
Air	No potential for impact, no further assessment required.
Waste Produced	Insignificant impact, no further assessment required.
Global Warming Potential (GWP) / Photochemical Ozone Creation Potential (POP).	Insignificant impact, no further assessment required.

The assessment has demonstrated that for the majority of operations and their potential impacts, there is a no / insignificant environmental risk associated with the activities outlined within the permit application. Therefore no further assessments or mitigation measures are considered to be necessary for these activities/impacts.

#### 1.4 Environmental Accident Management

*See Report Ref: EM 01-004 Environmental Accident Management Plan*

For those identified major environmental accident scenarios that would result in a rapid response being required to deal with a situation arising on site (e.g. failure of the farm tank) immediate actions required by site personnel are detailed. These actions are detailed in order to prevent uncontrolled release of material leaving site and potentially causing a pollution event.

## 1.5 Environmental Management System

*See Report Ref: P171-R04-F1 – EMS Summary*

During Permit determination site management will continue development of their existing Environmental Management System to ensure that it covers the requirements of the new storage permit, include the relevant Permit application documentation and address any issues raised by the EA during the determination process. The EMS will be audited at regular intervals to ensure continued compliance, implementation and effectiveness.

All staff will have clearly defined roles and responsibilities. Responsibility will be designated to a management representative for ensuring site operations are carried out in accordance with the Environmental Permit, to liaise with the Environment Agency as required and liaise with the public with regard to complaints.

## 1.6 Site Condition

*See Report Ref: P171-R03-F1 – Site Condition Report and EM 01-005 Site Closure Plan*

The site condition has been assessed in line with current Environment Agency guidance. Site Management confirmed that there have been no recorded pollution incidents, nor any use of the land which may have led to ground contamination issues that they are aware of.