

NON-TECHNICAL SUMMARY

Hazardous Waste Transfer Facility, Unit 145, Hartlebury Trading Estate, Hartlebury,
Worcestershire

Chloros Environmental Ltd

Version:	1.3	Date:	10 October 2018		
Doc. Ref:	3922-2385-NTS	Author(s):	RD	Checked:	RS
Client No:	2385	Job No:	3922		



Oaktree Environmental Ltd

Waste, Planning & Environmental Consultants

Oaktree Environmental Ltd, Unit 5, Oasis Park, 19 Road One, Winsford, Cheshire, CW7 3RY
Tel: 01606 558833 | Fax: 01606 861183 | E-Mail: sales@oaktree-environmental.co.uk | Web: www.oaktree-environmental.co.uk
REGISTERED IN THE UK | COMPANY NO. 4850754

Document History:

Version	Issue date	Author	Checked	Description
1.0	27/9/18	RD		Initial Draft
1.1	4/10/18	RD		Added Front page and tables 1 and 2
1.2	5/10/18	RD		Final Draft Reformatted
1.3	10/10/2018	RD	RS	Issued document for submission

Contents

DOCUMENT HISTORY:.....	I
CONTENTS.....	II
1 INTRODUCTION	1
2 PROPOSED PERMIT	3
2.1 PERMIT AREA.....	3
2.2 SITE OPERATIONS.....	3
3 ENERGY EFFICIENCY	7
4 USE OF RAW MATERIALS INCLUDING WATER	7
5 REDUCTION OF WASTE	7

1 Introduction

- 1.1 The proposed site which is to be operated by Chloros Environmental Ltd comprises a large warehouse and small outbuilding, car parking, yard areas, landscaped areas and two means of access to the public highway. The site is located on a wider area of land which was formerly used by the RAF for maintenance which closed in 1974 and by 1977 was re-developed as Hartlebury Trading Estate.
- 1.2 The permit application is for the transfer, bulking and blending of wastes both hazardous and non-hazardous and includes the compaction and shredding of wastes crushing of drums, baling of packaging and the washing of containers for re-use.
- 1.3 The operator offers a comprehensive service to companies dealing with small volumes of difficult to handle often hazardous wastes and is therefore requesting that the permit include the full range of wastes in the List of Wastes excluding explosives, clinical materials and wastes of animal origin.
- 1.4 The company currently operate from a permitted installation site at Site 7, Kidderminster Road, Cutnall Green, Droitwich, Worcestershire, WR9 0NS where they have the same range of waste types.
- 1.5 As a result of expansion plans and limitations on their current site they are seeking to develop this site and transfer their existing operations to the proposed site and expand operations.
- 1.6 A new planning consent is currently being sought to cover the proposed activities at the site.

1.7 This permit application is for the following activities:

- a) an installation for the following:
 - i) S5.3A(1)(a)(ii) physico-chemical treatment
 - ii) S5.3A(1)(a)(iii) blending and mixing hazardous waste
 - iii) S5.3A(1)(a)(iv) re-packaging of hazardous waste;
 - iv) S5.6A(1)(a) storage of waste; and

- b) a waste permit for transfer, treatment and storage of non-hazardous wastes (up to 150 tonnes per day).

- c) A waste operation covered by activity A16 – Physical treatment.

2 Proposed Permit

2.1 Permit area

2.1.1 Drawing No. 3922/2385/02 shows the proposed permit boundary.

2.2 Site operations

2.2.1 Table 1 below outlines the activities which will take place on the site under the installation permit.

2.2.2 The bulking facility is for liquid wastes which are bulked into industrial bulk containers (1,000l) or 205 litre drums.

2.2.3 Solid wastes will be repackaged, compacted, baled or simply grouped with the same types of waste to make a viable load for collection from site for onward recovery or disposal.

2.2.4 Reusable drums or industrial bulk containers will be washed in a bespoke washing system with the wash water recirculated until it is no longer viable at which point it will be tankered off-site to a suitably permitted treatment facility.

2.2.5 Table 2 below outlines the non-hazardous waste activities proposed to be undertaken at the site. These activities being the physical treatment and storage of typically small volume, difficult-to-handle non-hazardous wastes such as non-hazardous paints and small volumes of contaminated but not hazardous packaging.

2.2.6 Table B3 Table 1b in document 3922/2385/WAS lists all the waste types proposed to be handled and the likely handling proposed.

2.2.7 The capacity of the site is 1265 tonnes of hazardous or non-hazardous wastes the site will eventually handle upto 24,999 tonnes per annum.

Table 1: Types of activities (installation)

Installation Name	Schedule 1 References	Description of the activity	Activity Capacity	Annex I (D codes) & Annex II (R codes) and descriptions	Hazardous waste treatment capacity	Non-Hazardous waste Treatment capacity
Chloros Environmental Ltd. 145 Hartlebury Trading Estate	S5.3 Part A(1)(a)(ii)	Treatment of Hazardous Waste with a capacity exceeding 10t/day	150 t/day	R 3 Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes) R5 Recycling/reclamation of other inorganic materials D9 Physico-chemical treatment resulting in final compounds or mixtures which are discarded by any of the operations numbered D1 to D12, e.g. evaporation, drying, calcinations D13 Blending or mixing prior to submission to any of the operations numbered D1 to D12 D14 Repackaging prior to submission to any of the operations numbered D1 to D13	150t/day	N/A

Installation Name	Schedule 1 References	Description of the activity	Activity Capacity	Annex I (D codes) & Annex II (R codes) and descriptions	Hazardous waste treatment capacity	Non-Hazardous waste Treatment capacity
Chloros Environmental Ltd. 145 Hartlebury Trading Estate	S5.3 Part A(1)(a)(iii)	Treatment of Hazardous Waste with a capacity exceeding 10t/day	150 t/day	R 3 Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes) R5 Recycling/reclamation of other inorganic materials D9 Physico-chemical treatment resulting in final compounds or mixtures which are discarded by any of the operations numbered D1 to D12, e.g. evaporation, drying, calcinations D13 Blending or mixing prior to submission to any of the operations numbered D1 to D12 D14 Repackaging prior to submission to any of the operations numbered D1 to D13	150t/day	N/A

Installation Name	Schedule 1 References	Description of the activity	Activity Capacity	Annex I (D codes) & Annex II (R codes) and descriptions	Hazardous waste treatment capacity	Non-Hazardous waste Treatment capacity
Chloros Environmental Ltd. 145 Hartlebury Trading Estate	S5.3 Part A(1)(a)(iv)	Treatment of Hazardous Waste with a capacity exceeding 10t/day	150 t/day	R 3 Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes) R5 Recycling/reclamation of other inorganic materials D9 Physico-chemical treatment resulting in final compounds or mixtures which are discarded by any of the operations numbered D1 to D12, e.g. evaporation, drying, calcinations D13 Blending or mixing prior to submission to any of the operations numbered D1 to D12 D14 Repackaging prior to submission to any of the operations numbered D1 to D13	150t/day	N/A

Installation Name	Schedule 1 References	Description of the activity	Activity Capacity	Annex I (D codes) & Annex II (R codes) and descriptions	Hazardous waste treatment capacity	Non-Hazardous waste Treatment capacity
Chloros Environmental Ltd. 145 Hartlebury Trading Estate	S5.6 Part A(1)(a)	Temporary storage of hazardous waste with a total capacity exceeding 50 tonnes pending any of the activities listed in Sections 5.1, 5.2, 5.3 and paragraph (b) of this Section, except-- (i) temporary storage, pending collection, on the site where the waste is generated, or (ii) activities falling within Section 5.2.	1265 tonnes	R 13 Storage of waste pending any of the operations numbered R 1 to R 12 (excluding temporary storage, pending collection, on the site where the waste is produced) D15 Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where the waste is produced)	N/A	N/A
TOTAL			1265		150t/day	

N.B.
Daily treatment Capacity 150t/day combined hazardous and non-hazardous.
Total site storage capacity 1265 tonnes.
Annual throughput 24,999 tonnes combined hazardous and non-hazardous.

Table 2 Types of non hazardous waste activities

Name of waste operation	Description of waste operation	AnnexI (D codes) and AnnexII (R codes) and descriptions	Hazardous waste treatment capacity	Non-Hazardous waste Treatment capacity
Chloros Environmental Ltd. 145 Hartlebury Trading Estate	Physical Treatment of Non-Hazardous Waste Sorting and screening	R 3 Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes) R5 Recycling/reclamation of other inorganic materials D9 Physico-chemical treatment resulting in final compounds or mixtures which are discarded by any of the operations numbered D1 to D12, e.g. evaporation, drying, calcinations D13 Blending or mixing prior to submission to any of the operations numbered D1 to D12 D14 Repackaging prior to submission to any of the operations numbered D1 to D13		150t/day (No more than 50t /day for disposal)

Name of waste operation	Description of waste operation	AnnexI (D codes) and AnnexII (R codes) and descriptions	Hazardous waste treatment capacity	Non-Hazardous waste Treatment capacity
Chloros Environmental Ltd. 145 Hartlebury Trading Estate	Storage Of Non-Hazardous Waste	R 13 Storage of waste pending any of the operations numbered R 1 to R 12 (excluding temporary storage, pending collection, on the site where the waste is produced) D15 Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where the waste is produced)		1265t
For all Non Haz Waste Operations		Total Storage Capacity		1265t
		Annual Throughput		24,999 t
<p>N.B. Daily treatment Capacity 150t/day combined hazardous and non-hazardous. Total site storage capacity 1265 tonnes. Annual throughput 24,999 tonnes combined hazardous and non-hazardous.</p>				

2.1

3 Energy Efficiency

- 3.1 The site has objectives to save energy at all times and operate in as energy efficient manner as possible. The bulking and compaction operations minimise travel for the wastes. The drum washing provides re-usable containers thus avoiding the need for manufacture of new drums.
- 3.2 The company is committed to using the most efficient equipment as this is usually the most cost effective.

4 Use Of Raw Materials Including Water

- 4.1 The use of raw materials is quite limited fuel and lubricants for the forklifts water for the washing plant and wipes and rags for general cleaning.
- 4.2 Water use is predominantly for the washing plant the operator will explore the viability of harvesting rainwater for use in the plant.
- 4.3 The wash plant recycles water until it is no longer fit for purpose.

5 Reduction of Waste

- 5.1 The company is committed to reducing waste the company provides a service to ensure small volume difficult to handle wastes are recovered/recycled or disposed of as efficiently as possible.
- 5.2 The company is also committed to providing a service to customers which reduces the road miles per tonne for wastes by providing intermediate facilities for treating and bulking wastes.