ELLESMERE PORT WASTE TREATMENT FACILITY

NON-TECHNICAL SUMMARY

DUNTON TECHNOLOGIES LIMITED

DECEMBER 2019

IVY HOUSE environmental

SUMMARY TABLE: LANDFILL GAS SCREENING REPORT		
SITE:	Ellesmere Port Waste Treatment Facility – Non-Technical Summary	
CLIENT:	Dunton Technologies Limited	
DATE:	December 2019	
REFERENCE	IV.306.19	
DOCUMENT PROPOSAL:	Operation of a Hazardous and Non-Hazardous Waste Treatment Facility.	
COMMENTS:		

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Date:		
Version:	1.0	

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CONTENTS

1.0 INTRODUCTION 1

2.0 NON TECHNICAL SUMMARY 2

1.0 INTRODUCTION

1.1 PREAMBLE

This Environmental Permit Application has been prepared by Ivy House Environmental (Ivy) on behalf of the Operator, Dunton Technologies Limited (Dunton), in accordance with the requirements of the Environmental Permitting (England and Wales) Regulations 2016 as amended.

Dunton seeks a Bespoke Permit to operate a Hazardous and Non-Hazardous Waste Treatment Facility for the following:]

- Physico-chemical treatment of hazardous waste (asbestos picking);
- Physico-chemical treatment of hazardous waste (soil washing);
- Biological treatment of hazardous waste (in-vessel bioremediation);
- Storage of hazardous wastes pre-treatment; and
- Physico-chemical treatment of non-hazardous wastes (soil washing non hazardous soils stones etc into separate factions).

1.2 LIMITATIONS

This report has been produced in accordance with industry best practice at the time of writing.

Ivy House Environmental Ltd have, in the production of this report, relied upon information provided by third parties. Ivy House Environmental Ltd do not warrant the accuracy of this information and will not be responsible for any opinions which Ivy House Environmental has expressed, or conclusions which it has drawn, in reliance upon information which is subsequently proven to be inaccurate.

All statements and opinions provided in this report have been reported in good faith and are based on the information gained during, and restrictions imposed by, site investigation techniques used at the time. Ivy House Environmental cannot be held responsible for conditions not revealed by the investigation.

This report has been prepared for the sole use of the client and shall not be relied upon or transferred to third parties without the express written consent of Ivy House Environmental. Unauthorised third parties rely upon the information contained within this report at their own risk.

2.0 NON-TECHNICAL SUMMARY

2.1 Permit Application

This Environmental Permit Application is submitted to the Environment Agency by the operator, Dunton Technologies, under the requirements of the Environmental Permitting (England and Wales) Regulations as amended in 2016. It is a requirement of these Regulations that any application is accompanied by a Non-Technical Summary of the submitted documentation.

Ellesmere Port Waste Treatment Facility is located approximately 11.5 km north of Chester and is centred within the Ellesmere Port, (approximately 1,000 m north, north east of the Ellesmere Golf Course), the site is centred at approximate National Grid Reference (NGR) SJ 38346 79020.

Access for staff and visitors to the site is achieved via an unnamed access road off North Street which is located to the south of the site. HGV access is via the M53 towards the south of the site. The immediate surroundings of the site largely comprise an industrial setting with the nearest residential dwelling located approximately 1,000m south of the site off Carlton Crescent.

The site consists of designated waste reception and storage areas, including a weighbridge for incoming wastes and a quarantine area for non-conforming incoming wastes (which will ensure that quarantined wastes do not contaminate those which have been deemed suitable for treatment) as well as the asbestos treatment area and the soil washing plant.

The site location and the environmental permit boundary is provided on Drawing Number DEL/IV.306.19/LAY/01.This application is accompanied by all relevant documentation, as required by the aforementioned Regulations, and in the format set out in the Environment Agency guidance documents. In summary, these documents comprise:-

- Application Forms;
- Site Condition Report;
- Operating Techniques;
- Best Available Techniques (BAT);
- Environmental Risk Assessment;
- Odour Management Plan;
- Noise Management Plan; and

- . Dust Management Plan.

The Site Condition Report (Appendix B) sets out the history of the site provides a summary of the activities being applied for, plus a site description and a baseline site investigation that is utilised when the Applicant wishes to Surrender the Permit.

Specific details on the operations of the site are provided in the Operating Techniques (Appendix C), which describes both the operational techniques and the management procedures carried out at the site. In summary, this document will consist of:-

- Site Operations;
- Waste Types;
- Emissions Controls;
- Monitoring Proposals;
- Incidents and Non-Conformance Procedures;
- Accident Management; and
- Emergency Procedures.

The Best Available Techniques (BAT) Assessment (Appendix D) of the application sets out how site operations comply with BAT as set down by the European BREF and specifically outlines details of the following:

- Pre-Acceptance
- Acceptance;
- Storage;
- Point source emissions
- Containment;
- Abatement Measures;
- General Management;
- Monitoring; and
- Accidents.

An Environmental Risk Assessment (Appendix E) is concerned with the nature and extent of any linkages between the source of any environmental hazards, and the receptors, which may be susceptible to harm with such linkages being internal pathways. Where potential for harm is identified, the assessment identifies management or engineering techniques, which will mitigate such impacts.

The Odour Management Plan (Appendix F) sets out how the site will comply with the requirements of Environment Agency Guidance note H4 – how to comply with your environmental permit. In summary, the main odour management techniques are as follows:

- Use of abatement equipment;
- Covering of stockpiles;
- Waste acceptance procedures;
- Good housekeeping and regular cleaning of equipment and storage areas; and
- Operating a first in, first out system.

The Noise Management Plan (Appendix G) sets out how the site will comply with Environment Agency Guidance note Horizontal Guidance for Noise – Part 2. In summary, the main noise management techniques will be as follows:

- Use of a noise bund;
- Adherence to the planning permission hours;
- Site layout;
- Maintenance of roading and machinery; and
- Attenuation of noise creating machinery.

The Dust Management Plan (Appendix H) sets out the dust management procedures at the site and utilises both Health and Safety Guidance (for dealing with Asbestos), Guidance note S5.06 and M17. In summary, the site will control dust emission via the following techniques:

- Provision of bays;
- Dampening of stockpiles;
- Coverage of stockpiles;
- Provision of negative pressure and carbon and HEPA filters;

- Use of specialist buildings and equipment; and
- Good housekeeping, including the use of a Class H Vacuum Cleaner for any spills in the asbestos storage and treatment area.