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NWH WASTE SERVICES LTD

FACTORY ROAD TRANSFER STATION

NON-TECHNICAL SUMMARY

AUGUST 2019

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NON-TECHNICAL SUMMARY

AUGUST 2019

PREPARED BY:

Katie Heath Graduate Environmental
Scientist



APPROVED BY:

Alison Cook Associate Director



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1 INTRODUCTION

1.1 Overview

1.1.1 NWH Waste Services Ltd propose to operate a household, industrial and commercial waste transfer station at their site in Blaydon on Tyne and Wear, Newcastle.

1.1.2 This Non-technical Summary is provided in support of an application for a new bespoke waste operation permit for the waste transfer station.

1.1.3 The facility has been designed to provide comprehensive environmental protection, operating under an ISO14001 Management System. A summary of the Site's Environmental Management System is supplied with this application. This will be completed when site has been constructed.

1.2 Included Document

1.2.1 This environmental permit application comprises the following documents:

- Application forms;
 - Part A;
 - Part B2;
 - Part B4;
 - Part F1;
- A Fire Prevention Plan;
- The Environmental Management System;
- An Odour Management Plan;
- A Dust Management Plan;
- An Emissions Management Plan;
- An Amenity and Accident Risk Assessment;
- Site Condition Report;
- The Site Plan.

1.2.2 These documents demonstrate that the facility will operate in accordance with the relevant regulations and ensure that the necessary action and precautions have been taken, ensuring potential risks to the environment are minimised.

2 SITE SETTING

2.1 General

- 2.1.1 The Site is a detached industrial unit accessible from Factory Road, Blaydon-on-Tyne & Wear, Newcastle. The site is located at NGR NZ 11890 63703 and the nearest postcode is NE21 5RU.
- 2.1.2 The site is located in a mixed industrial/commercial and residential setting, with the western site boundary set upon the River Tyne. The Tyne Valley Railway Line runs east-west, approximately 170 metres to the south of the site
- 2.1.3 The site is within the industrial district of Blaydon Haughs, with areas of commerce located around 300 metres to the southwest. To the northwest, immediately across the River Tyne, there are mixed commerce and offices, including a day care centre.
- 2.1.4 The nearest residential properties are around 500 metres to the southwest in Blaydon-on-Tyne. The area has two schools and five care homes within a two kilometre radius of the site boundary. There is also a school in Stella, a town 1.3 kilometres west of the site.
- 2.1.5 To the north, across the river, the nearest properties are found in Bell's close, approximately 600 metres from the site, set between the residential areas of Lemington to the west and Benwell to the east. These areas include five schools within a two kilometre radius of the site boundary.

2.2 Designated Protected Habitats

- 2.2.1 Shibdon Pond SSSI and Local Nature Reserve is located around 800 metres southeast of the site.
- 2.2.2 To the north, there are two designated Local Nature Reserves set between the residential areas, between 0.8 - 2 kilometres from the site. These are Sugley Dene and Denton Dene and contain areas recognised as Ancient Woodland.
- 2.2.3 There is a small area (~ 3 hectares) of Ancient Woodland 1.2 kilometres to the west of the site, near Stella.
- 2.2.4 Around 1.4 kilometres to the south, several of the wooded areas of Axwell Park have been recognised as Woodpasture and Parkland BAP Priority Habitat.

3 ENVIRONMENTAL RISK AND MITIGATION

3.1 Overview

- 3.1.1 NWH's strict Environmental Management System has been developed to ensure the facility is operated in the safest and most effective way, minimising risk to the environment and human health.
- 3.1.2 All waste accepted onto site is subject to a stringent Waste Acceptance Systems and Procedures, with only permitted waste accepted on site for storage and sorting. Waste types accepted on site are proposed to continue to be those listed in Standard Rules SR2015 No.4, with only the proposed quantity increasing to over 75,000 tonnes per year.
- 3.1.3 All site operatives will be familiarised with the management system. Site equipment will be maintained in accordance with the manufacturer's guidelines.
- 3.1.4 The site has concrete surfacing and a sealed drainage system and only inert waste is stored outside. All non-inert waste is unloaded, stored and sorted inside a building.

3.2 Control of Dust

- 3.2.1 Dust will be managed in line with the Environmental Management System and Dust Management Plan provided with this application.
- 3.2.2 Due to the site location in relation to sensitive receptors and the westerly prevailing wind patterns, it is considered that dust from the site has a low risk of causing adverse effects or complaint.
- 3.2.3 Good management and maintenance practices for site roads and machinery will ensure dust emissions are kept to a minimum, with water suppression equipment available for use as and when required.

3.3 Control of Odour

- 3.3.1 The Site's Odour Management Plan is attached in support of this application. The plan details how the management and design of the site will ensure any odorous releases are minimised.

- 3.3.2 The Waste Transfer Station will handle general waste and inert material in accordance with the Site's Waste Acceptance System. Waste will be managed on a first in first out basis, with non-inert waste removed from site within 4 days.
- 3.3.3 All odorous activities will occur in the proposed building in the northern footprint of the site. The building has roller-doors which will be shut to minimise releases of odour.

3.4 Fire Prevention

- 3.4.1 A Fire Prevention Plan has been provided by NWH in accordance with Environment Agency Guidance. The site is designed and operated in a manner that lessens the risk fire through the good management of waste, maintenance of site equipment, comprehensive monitoring and fire direction.
- 3.4.2 Waste piles and infrastructure are managed to prevent the spread of any occurrence of fire, with an adequate water supply available to ensure the fire is likely to be extinguished within 4 hours.

STOKE-ON-TRENT

Sir Henr. i Oo ufo n HOLJSe
Foq e L;,""
Ètruna
St oke-on -Trent
Sil 5-trn
Tel: +44 (W)1782 276 700

BIRMINGHAM

wo Oevon W;:iy
Lu11glo11dge hidrnoO;JV Park
Loogbri dge
Birm]ngh&m
B312:TS
Tel: -1 44 (O) i i 580 0909

SOT.TON

41-5-0 fl.tJrd P;:rk
A pln at|Way
M i ddl ebroo k
Soll on
BL6 6SU
Tel: 44 (0)20;:, 227 21.7

CARIJIFIF

udon; k iu 5e
16 C.H i;it; rc11 Ro.;id
C,rdiff
CF1 1U
Tel: +44(10)292 072 9191

CARLISLE

Marconi RoJd
Bur h !Rocid Ind u tn al E,tate
C-ol; i le
Cumima
CA17NA
Tel: +44 (10)1228 5-5-0 575

EDINBURGH

Gr,P li M ichaF i Hou e
14 Links Place
f d;nb1Jrgh
EK5 7I:Z
Tel. +44 (O)B1 555 3311

GLASGOW

/ W L Regent S,tre8t
Glasgow
G2 1AW
Tel: + (0)141433 7.210

LEEDS

36 Park Row
Leeds
LS1 5JL
Tel: +44 (0) 13 831 5533

LONDON

fh it d r'ioof
46 Chancery I a fle
London
WC2 .A IJE
Tel t44 (Ot207 242 3243

MANCHESTER

76 King StrccL
Manchester
M2.4NII
Tel +44 (0)161 817 5038

NEWCASTLE UPON TYNE

O t y Quadrant
11 Watcdoe Squafc
Newc;is L; upon Tyne
NE1 4DP
Tel: +44 (10)191 232 0943

TRURO

Baldt.u 1;-oV,e
WlialJiin; 3.r t ti S.c;ie m;t> Park
Aalcthu
Truro
TR10 6EH
Tel • 4 (0)187 256 0738

INTERNATIONAL OFFICES

ALMATY

2.9/6 Satpacv Avenue
Regen() Hotel
OHk.e TDwer
Almaty
Kazakhstan
050040
Tel +7(727) i34 13J0

MOSCOW

21/5 t<u,n e l skly MO<i! St.
Moscow
Rt;is;ci
Tel: +7(495) 61:6 07 6/

