Permit Variation

EPR/DB3902GK

Havant HWRC - Non Technical Summary

Veolia ES Hampshire Ltd

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1. Site Introduction

The Havant HWRC facility operated by Veolia ES Hampshire Limited 'Veolia' is located off Harts Farm Way in Havant, Hampshire (Grid Reference SU 70490 05860). The site consists of a Household Waste Recycling Centre for use by members of the public to deposit household wastes for onward recycling and recovery. The site operates using Roll on Roll off containers (RoRo) to contain all wastes deposited on site. The containers can be moved easily using on site plant when full or if they need to be isolated (for fire fighting purposes)

The waste accepted at the Havant HWRC is a combination of recyclable and non recyclable household and similar items including but limited to: garden wastes, bulky wastes, wood, DIY materials, waste WEEE. The non recyclable items will be sent for energy recovery at one of the 3 ERF's in Hampshire.

The application seeks the following modifications to permit reference DB3902GK:

- Change from Standard Rules 2008 No13 to a bespoke waste operation permit due to surface water run off from the temporary container storage area unable to connect to foul sewer.
- Addition of EWC 170504 Soil and Stones.

The address for the Facility is listed below:

Havant HWRC
Harts Farm Way
Havant
Hampshire
PO9 1JN

2. Rationale for change to bespoke permit

The site is a historic HWRC previously built and operated by Hampshire County Council in 2012. Veolia took over operation of the site in 2016. It was identified by the local EA officer during a site visit that the site had no suitable way to stop runoff from the site to the adjacent swale and roadside surface water collection point.

Veolia committed to investigating the drainage at the site in order to make improvements. On investigation it was found that a high voltage pipeline runs directly under the site.

The pipeline in question falls within 6ft of the drainage system requiring work which has raised both safety and environmental risks in completion. The lead lined cable was laid in the 1960s and is oil filled. The depth is expected to be around 600mm below the surface, carrying 132kV and powering 55,000 homes in the area. SSE have confirmed that digging in this vicinity risks the fragile cabling and could result not only in major spillages of 1000s of litres of oil but the potential for oil and electrical fires that could arc.

This application therefore seeks to vary the standard rules permit to a bespoke HWRC permit with an emission point to surface water. The site is considered to be a low risk operation given the nature of the material stored and the manner in which it is stored. I.e. all waste is containerised and run off from the containers is minimal. All surface drainage of storage areas flows to acro drains and then the swale via an oil interceptor.

The majority of surface runoff is from clean roadways. The waste storage areas are cleaned regularly and at the very least each time a full container is exchanged for an empty one. The majority of any rain falling on the containers is absorbed by the material within with a minimal outfall when loading onto a hook vehicle. It is unusual to have characterisation of HWRC water quality runoff, for the purposes of this application we have used sample analysis of water from a typical waste transfer station as the waste streams are similar in nature.

Analysis Results - (Results in mg/litre)

Determinand	Units	Interceptor 2 24/05/2018
pH	-	5.7
COD	Mg/l	272
Oil and grease	mg/l	<0.1
Suspended solids	g/l	178

The surface run off passes through an oil interceptor before reaching the drainage swale.

The site will continue to operate as it did under the standard rules conditions with a similar list of wastes but the input reduced from <75,000t to 25,000t in order to reflect actual inputs to the site.

The addition of EWC 170504 enables the site to accurately describe wastes already deposited. The addition of this waste code does not increase the risk of dust from the site given similar material is already accepted and the site has not received any dust complaints to date.

An environmental risk assessment has been completed and submitted to support this application.

As the Environment Agency have determined this application to be classed as a substantial variation a Site Condition Report (SCR) has been included.

3. Fire Control

An FPP has been produced with a Veolia template for our HWRC sites. This template incorporates the EA FPP guidance and enables our site managers to self audit their sites against the controls required for environmental protection. The FPP is included in this submission. Supplementary to the FPP is the Fire boom deployment. Given the nature of the site drainage and the inability to excavate in order to install further control Veolia proposes the use of fire booms.

In the unlikely event of a fire at the site the container with the fire will first be isolated by using a hook vehicle or grab vehicle to drag into the centre of the operational yard area thus preventing spread to other containers. Once isolated mobile booms and absorption socks will be placed around the container prior to the commencement of fire fighting.

The nature of a RoRo container means the majority of water sprayed on to once burning will remain within the body of the material due to the absorptive nature of waste. Any fire water that does drain through the waste will be trapped by the boom and absorbent socks and mats as placed and managed by trained site staff.



Deployable water retaining boom



A typical absorbent sock to be used in conjunction with the primary boom.

Once a fire has been extinguished a road tanker will be arranged to remove the firewater and a road sweeper vehicle used to clean the area once the extinguished container has been removed. The booms, socks and pads used will be collected and the site checked to ensure no further fire water remains. A sample of the drainage swale will be taken and sent to a lab for analysis to show no impact on the surface water has occurred.

4. Management System & Technical Competence

4.1. Management System

The Veolia Management System is registered and approved to standards ISO 9001, ISO 45001 and ISO 14001. The operational, monitoring and management procedures

implemented at the subject facility, are in accordance with the Veolia Management System and have been audited against the requirements of the standards detailed previously.

The proposed operation will be covered by group level and local procedures which form part of the Company's documented management system. A summary of Veolia's Management System is provided.

4.2. Technical competence

Certificates of Technical Competence (awarded by WAMITAB) are included. Veolia consider there are sufficient suitably trained staff members to provide coverage at the subject facility during leave periods.

5. Application contact information

First contact:

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6. Application Contents

Application Forms [Forms A, C2, C4 and F1]

Havant List of Wastes

Environmental Risk Assessment

Environmental Management System overview

Fire Prevention Plan

FPP Plan

1KM Receptor Plan

Boom Deployment

Site location plan

HWRC Site Plan

Technical Competency

Site Condition Report

Emission Point Plan