

NON-TECHNICAL SUMMARY

Introduction

This document forms the application for the environmental permit to operate a waste intake facility at Christchurch water recycling centre (WRC). The facility is located off Stony Lane in Christchurch, Dorset. The applicant and operator of the Treatment Centre installation will be Wessex Water Enterprises Limited.

The proposed activities fall under the Environmental Permitting (England and Wales) Regulations 2016 (EPR) as a waste operation for the following activity:

- D13: Blending or mixing prior to submission to any of the operations numbered D1 to D12

Activity Description

Permitted Activity

This permit is to accept additional specified liquid wastes brought in by tanker and discharged via inlet at the head of the sewage treatment works. The Treatment Centre accepts imports of liquid waste from landfill sites within the local area. The main activity at the Treatment Centre is the acceptance of liquid waste prior to discharge into Christchurch WRC. The WRC is a separately regulated facility and is regulated through the requirements of the discharge consent.

The main waste the site is proposing to receive is leachate which will be delivered to the site via road tanker and these loads will be directly discharged into the inlet. The site is currently only proposing to accept leachate initially, however other EWC codes are provided in this application for future use. The additional waste codes in Table 2.1 will go through the same process as the leachate.

Two tanker loads will be accepted per day; one in the morning and one in the afternoon and each tank will contain approximately 27 m³ of waste which will equate to approximately 54 Te per day accepted on site.

Further Treatment within WRC (Outside of Permit)

Upon discharge into the works inlet, the waste will be mechanically screened and then treated through the WRC treatment processes. All treatment is to be undertaken at the existing WRC through tertiary aeration. Treated final effluent is discharged to the local water course in accordance with an Environment Agency (EA) discharge consent.

There will be no storage or treatment of waste on site. All treatment and storage will take place within the WRC.

No hazardous materials will be accepted at the facility.

Odour, noise and dust problems are not expected from the Christchurch Treatment Centre. The site was operated for a trial period and did not received any complaints relating to odour, noise or dust within this time.

Permit Application

This permit application is structured as follows. A full description of the operations, management and monitoring measures is provided within this supporting information document. An environmental management system (EMS) is in the process of being developed on site, which will cover the elements required by the Environmental Permit; this includes details of the site operations, maintenance procedures, accident and incident management, non-conformances, and complaints procedures; staff training and records management.

Application forms can be found in Appendix A. Site plans and layouts can be found in Appendix B.

An Environmental Risk Assessment can be found in Appendix C. This has been carried out to assess the potential impacts of odour, noise and vibration, fugitive emissions, visible plumes, and accidents. These impacts have been assessed and range from very low to low.

A description of the condition of the site at the time of this application is provided in the Site Condition Report (SCR) included in Appendix D. This provides a coherent record of the site and its baseline conditions at the time of permitting.

In summary, the proposed facility has been designed and is operated to ensure that any potential significant impacts to the environment and human health do not arise as a result of its operation.