

# **SITE CONDITION REPORT**

For

**GD ENVIRONMENTAL SERVICES LTD**

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**Permit Holder:**

GD Environmental Services Ltd  
19 Eastbank Road  
Felnex Ind Est  
Newport  
NP19 4PP

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## 1. SITE DETAILS

SITE DETAILS	
Name of Applicant	GD Environmental Services Ltd
Activity Address	Eastbank Rd Felnex Ind Est Newport NP19 4PP
National Grid Reference	

The key objective of this report is to highlight the condition of the land during the desk top study. This report therefore includes the following;

- A summary of the site history of development and site setting including an understanding of the geological, hydrogeological and hydrological environment in the vicinity of the site;
- An assessment of existing land contamination based on the desk study research.

The Appendices to this report include drawings, Envirocheck data sheets and historical maps.

The assessment is required to support an application for an extension of a permitted boundary area.

The site is located at Felnex Industrial Estate. The site is operated by GD Environmental Services Ltd. The site will receive, process and recover household & Commercial waste.

The location of the site, it's boundaries and surrounding features of which are highlighted on Site Location Plan, Appendix 1.

The northern areas of the site are used as car parking areas and are surfaced with loose hardcore and gravel fill. The remaining areas of the site are covered by concrete hardstanding with an upper and lower steel mesh reinforcement.

## **2. CONDITION OF THE LAND**

The information below details the Environmental settings of the facility.

### **Geology**

The site was a Brownfield site prior to its use as a Waste Facility. Its use as a breakers yard is first indicated on the 1962 edition of the OS map hence it appears that the site has been continually used as a scrap and breakers yard for over 40 years.

The British Geological Survey (BGS) 1:500,00 drift and solid geological map sheet 230 indicates that the Geology beneath the site area is underlain by the sequence shown in table 1 below.

Soil Type
Tidal Flat Deposits / Clay and Silt
Mercia Mudstone
Minor Aquifer

### **Hydrogeology**

From reference to the Environment Agency's Groundwater Vulnerability Map the geology beneath the site is classified as a Minor Aquifer with soils of low permeability drift deposits with low leaching potential.

Shallow perched groundwater is anticipated in the more permeable horizons of the superficial deposits or Made Ground horizons or alluvial deposits were present. It is considered that overall the low permeability Boulder Clay deposits beneath the site act as an effective aquitard between any shallow groundwater in Made Ground deposits and superficial shallow sand and gravel horizons in the Boulder Clay and deeper aquifer anticipated in the Lower Coal Measures strata beneath. Groundwater within more permeable horizons within alluvial deposits or sands and gravels may contribute to groundwater recharge elsewhere in the catchment or provide baseflow to local surface water features. Shallow groundwater therefore considered to be a sensitive receptor given that shallow groundwater may be in hydraulic continuity with local surface watercourses.

No licensed abstractions are evident in the vicinity of the site and no groundwater Source Protection Zones have been identified within 5km of the site.

### **Surface Waters**

The surface drainage system receives run off from the concrete hardstanding area with the surface run-off draining to the drainage system, which directs run off into a Class 1

interceptor in the South West corner of the site. The interceptor discharges to a foul sewer outfall at the south western corner of the site, subject to a discharge consent.

#### **Pollution History**

There are no pollution incidents recorded at the site.

### **3. PERMITTED ACTIVITIES**

The principle activities at the site are processing and recycling of Household, Commercial & Industrial Wastes.

Waste is handled with the aid of mechanical plant. Wastes are processed through trommels, picking stations, shredders and balers on site.

WEEE wastes will be accepted on site under an S2 exemption. WEEE will be managed in accordance with relevant legislative requirements.

Tyres will be accepted on site for storage prior to removal for processing at a suitably authorised facility.

Batteries will be accepted on site under an S2 exemption for storage prior to removal for processing at a suitably authorised facility.

The permit variation does not make any changes to current site use.

The permit variation is to enable the extension of the site boundary.