

**SITE CONDITION REPORT FOR Go Plant Limited,
Unit 22, Shawfield Road, Carlton Industrial
Estate, Barnsley, South, Yorkshire, S71 3HS**

1.0 SITE DETAILS	
Name of the applicant	Go Plant Limited
Activity address	Unit 22, Shawfield Road, Carlton Industrial Estate, Barnsley, South, Yorkshire, S71 3HS
National grid reference	SE 36551 08839

Document reference and dates for Site Condition Report at permit application and surrender	V2 25.05.2021
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Document references for site plans (including location and boundaries)	Proposed Permitted Area within application documents
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Note:

In Part A of the application form you must give us details of the site's location and provide us with a site plan. We need a detailed site plan (or plans) showing:

- *Site location, the area covered by the site condition report, and the location and nature of the activities and/or waste facilities on the site.*
- *Locations of receptors, sources of emissions/releases, and monitoring points.*
- *Site drainage.*
- *Site surfacing.*

If this information is not shown on the site plan required by Part A of the application form then you should submit the additional plan or plans with this site condition report.

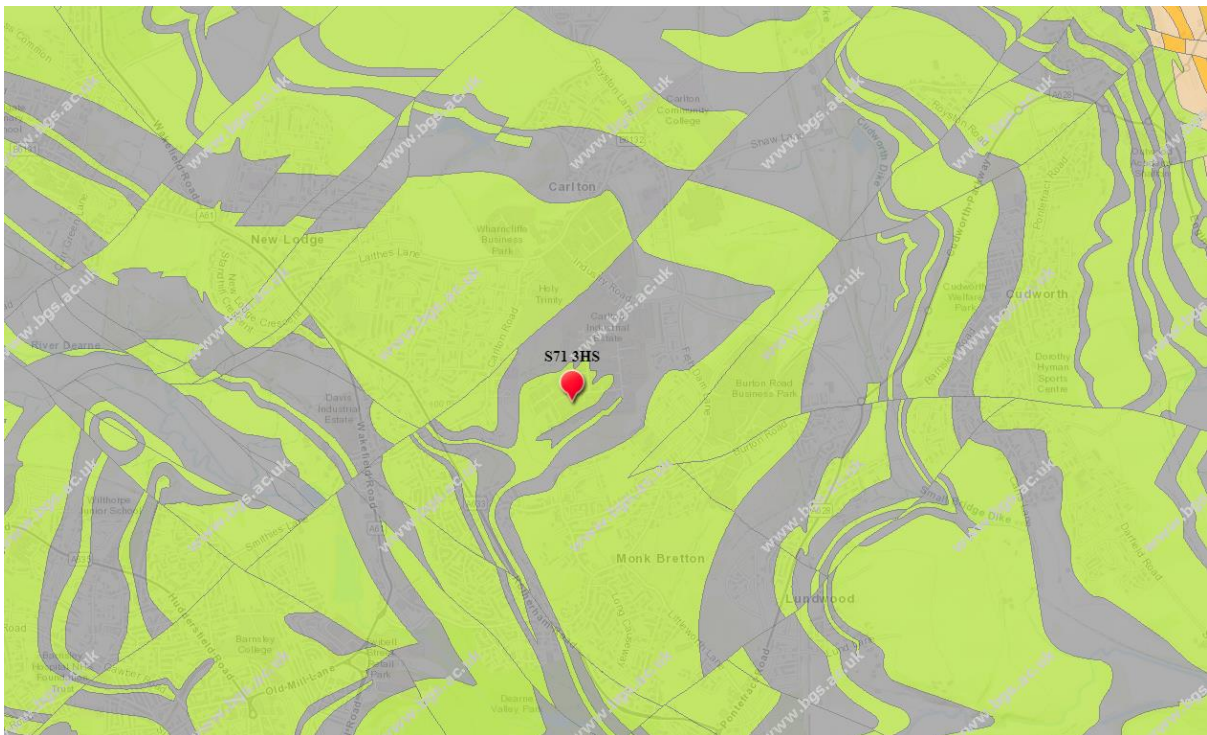
2.0 Condition of the land at permit issue

<p>Environmental setting including:</p> <ul style="list-style-type: none"> • geology • hydrogeology • surface waters 	<p>The site is located on the Carlton industrial estate to the North East of Barnsley Town Centre.</p>
<p>Pollution history including:</p> <ul style="list-style-type: none"> • pollution incidents that may have affected land • historical land-uses and associated contaminants • any visual/olfactory evidence of existing contamination • evidence of damage to pollution prevention measures 	<p>Pollution incidents that may have affected land – No known from previous history historical land-uses and associated contaminants – the site has been used as a general industrial site with mixed uses.</p> <p>No visual evidence of pollution on the floor.</p>
<p>Evidence of historic contamination, for example, historical site investigation, assessment, remediation and verification reports (where available)</p>	<p>No evidence has been provided to the client from the landlords of the property</p>
<p>Baseline soil and groundwater reference data</p>	<p>Not available</p>
<p>Supporting information</p>	<ul style="list-style-type: none"> • Source information identifying environmental setting and pollution incidents • Historical Ordnance Survey plans • Site reconnaissance • Historical investigation / assessment / remediation / verification reports • Baseline soil and groundwater reference data

Environmental setting including:

- geology
- hydrogeology
- surface waters

Geology



The British Geological Survey website shows the site is located on Pennine Middle Coal Measures Formation - Sandstone. Sedimentary Bedrock formed approximately 310 to 318 million years ago in the Carboniferous Period. Local environment previously dominated by swamps, estuaries and deltas.

This flanked by Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone. Sedimentary Bedrock formed approximately 310 to 318 million years ago in the Carboniferous Period. Local environment previously dominated by swamps, estuaries and deltas.

Surface Waters

River catchment taken from Environment Agency catchment Data Explorer
Site –

Cudworth Dike within the River Dearne catchment



River Basin District

Name
Humber

Management Catchment

Name
Aire and Calder
Don and Rother
Humber AWB
Humber GW

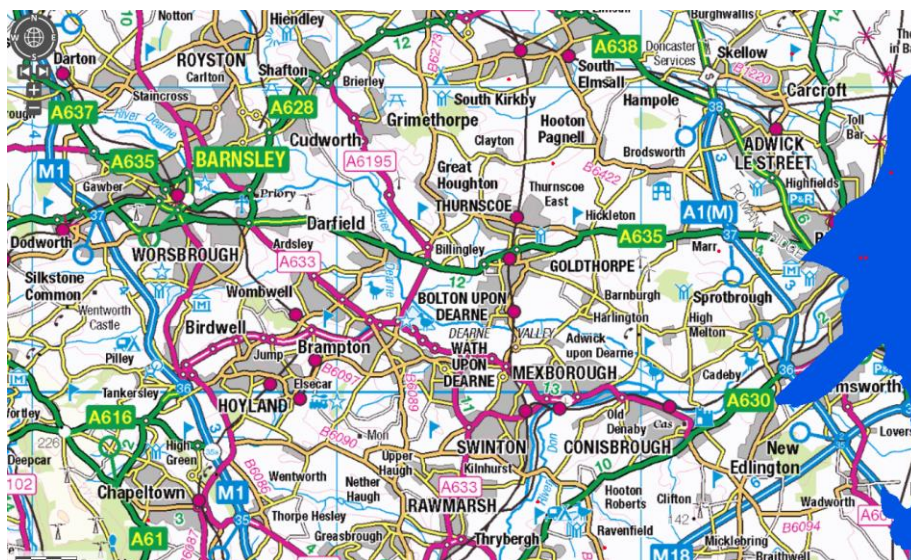
Operational Catchment

Name
Aire and Calder Carb Limestone - Millstone Grit Coal - Measures
Calder Lower
Dearne
Don and Rother Canals
Don and Rother Millstone grit and Coal Measures

Hydrology

Map showing source protection zones east over 9 miles away – Source Magic

Map



Records from the British Geological Society's (BGS) provided the following information taken from Carlton industrial Estate –

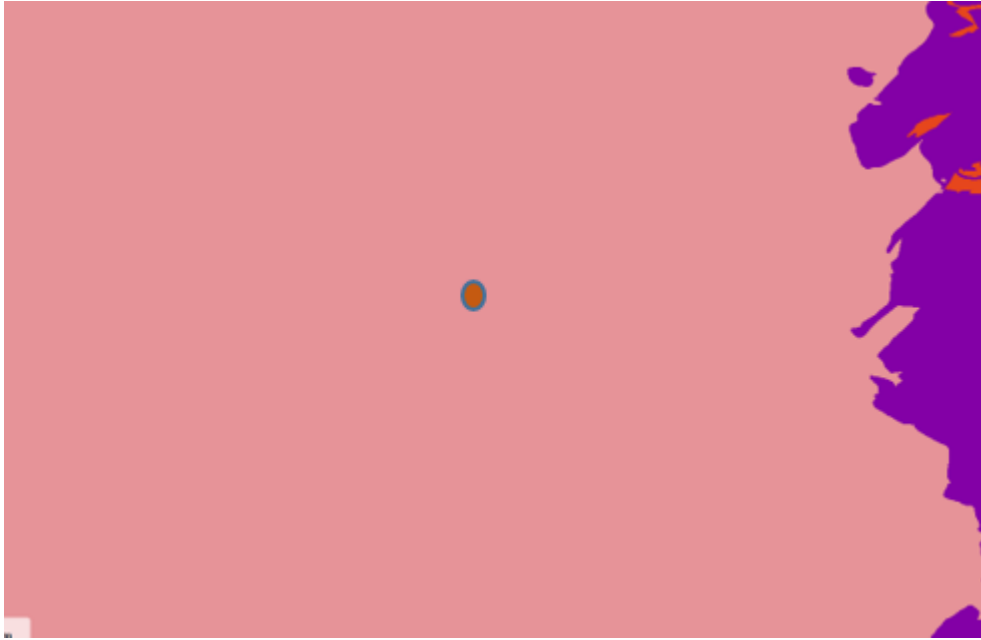
BOREHOLE RECORD									
Contract No. 14792/98		Client ARRAN DESIGN SERVICES <i>SE 30NE 330</i>							
Ground Level		Location SHAWFIELD ROAD, BARNSELEY <i>3654</i>							
BOREHOLE No. 1		Date JANUARY 1999 <i>0807</i>							
Depth	Thick-ness	Legend	Description of Strata	Type of Sample	C kN/m ²	M %	Ø	Density kg/m ³	N
0.500	0.500		Made up ground. Topsoil						
1.300	0.800		Stiff grey brown mottled silty clay	1,000 u	108.6	14		1960	
				2,000 p					40
4.200			Very stiff grey and brown mudstone, siltstone and shale	3,000 p					48

Norwest Holst Soil Engineering Ltd.							Borehole No.
BOREHOLE LOG							3
Contract No. F8517		Location Carleton Est. Barnsley			Sheet 1 of 1		
Client Associated Structural Design		Method of Boring Cable Percussion			Chainage		
Diameter of Borehole 150mm		Ground Level			Date 30/7/89		
Description of Strata	Legend	Depth Below G.L. (m)	O.D. Level (m)	Casing Depth at Sampling	Sampling and Coring	"N"/R.Q.D. %	Daily Progress
TOPSOIL		0.20			0.40		30/7
Stiff to very stiff grey brown mottled very silty CLAY with fine rootlets.		1.10			0.50 (50)		
Brown/grey mottled, blocky fractured completely to very highly weathered slightly micaceous silty MUDSTONE, very weak/very stiff		2.30			1.20		
Grey brown stained on fractures					1.50 (90)		
					2.20		
					2.50 (100)		

Both stiff grey clay at a depth of up to 0.5m with a thickness of 0.8 – 0.9m providing a barrier to migration of waters to the ground water.

Principal aquifer - Source Magic Map

The site is located within a principal aquifer



Pollution history including:

Pollution incidents that may have affected land
Historical land-uses and associated contaminants

Local Permitted Activities

The following information is taken from the Environment Agency Public Register for waste operations

Name	Permit Number	Distance (km)	Address
Glass Recycling (U K) Ltd	GP3792ZE/V004	1.1	418, Carlton Road, Carlton, Barnsley, South Yorkshire, S71 3HX
J Blackburn & Sons Ltd	EB3532RE/A001	1.2	Units 27 & 28 Wharcliffe Business Park, Longfields Road, Carlton, Barnsley, South Yorkshire, S71 3HT

The following information is taken from the Environment Agency Public Register for waste operations

Any visual/olfactory evidence of existing contamination

The permitted area is currently set on hard standing with no visual pollution.

Existing drains have all been mapped and assessed and those that will serve the proposed waste operation flow to the foul sewer.

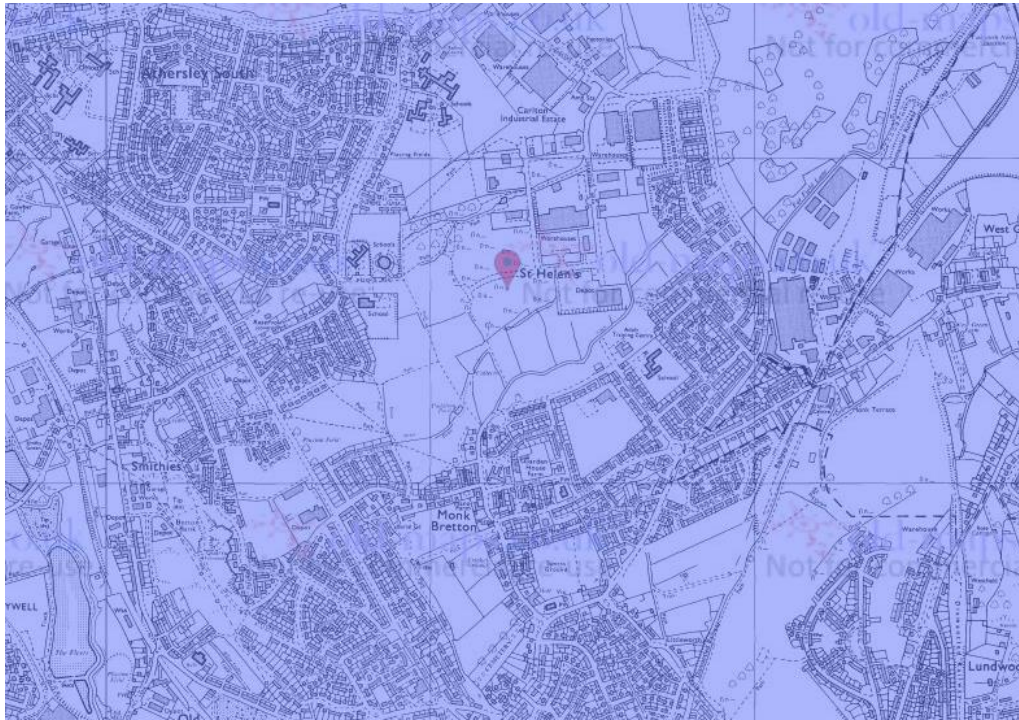
Evidence of damage to pollution prevention measures

The concrete pad is intact and in excellent condition.

Evidence of historic contamination, for example, historical site investigation, assessment, remediation and verification reports (where available)

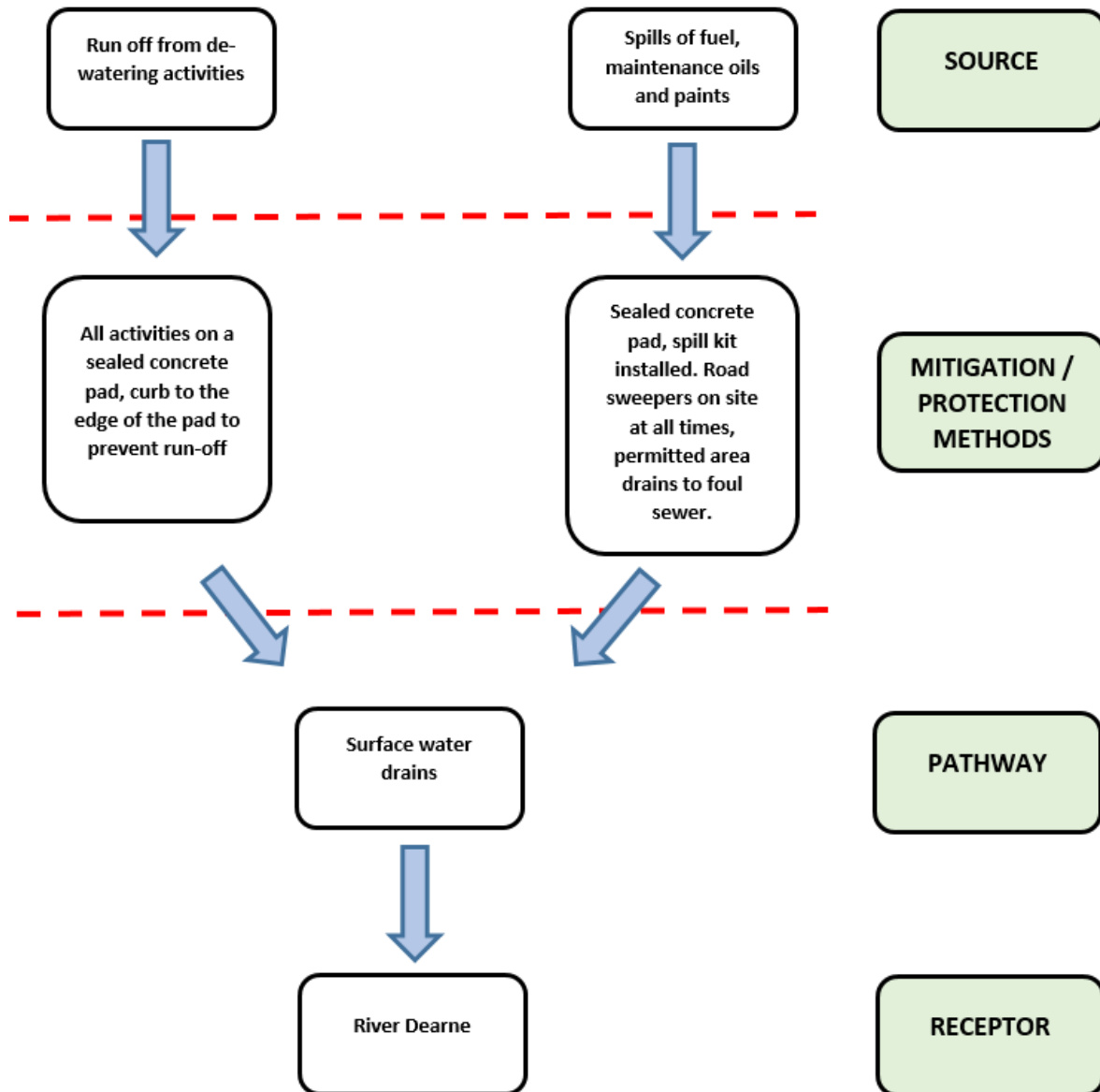
The following is known about sites history

Prior to the 1990's the site was farmland, the image below is from 1993

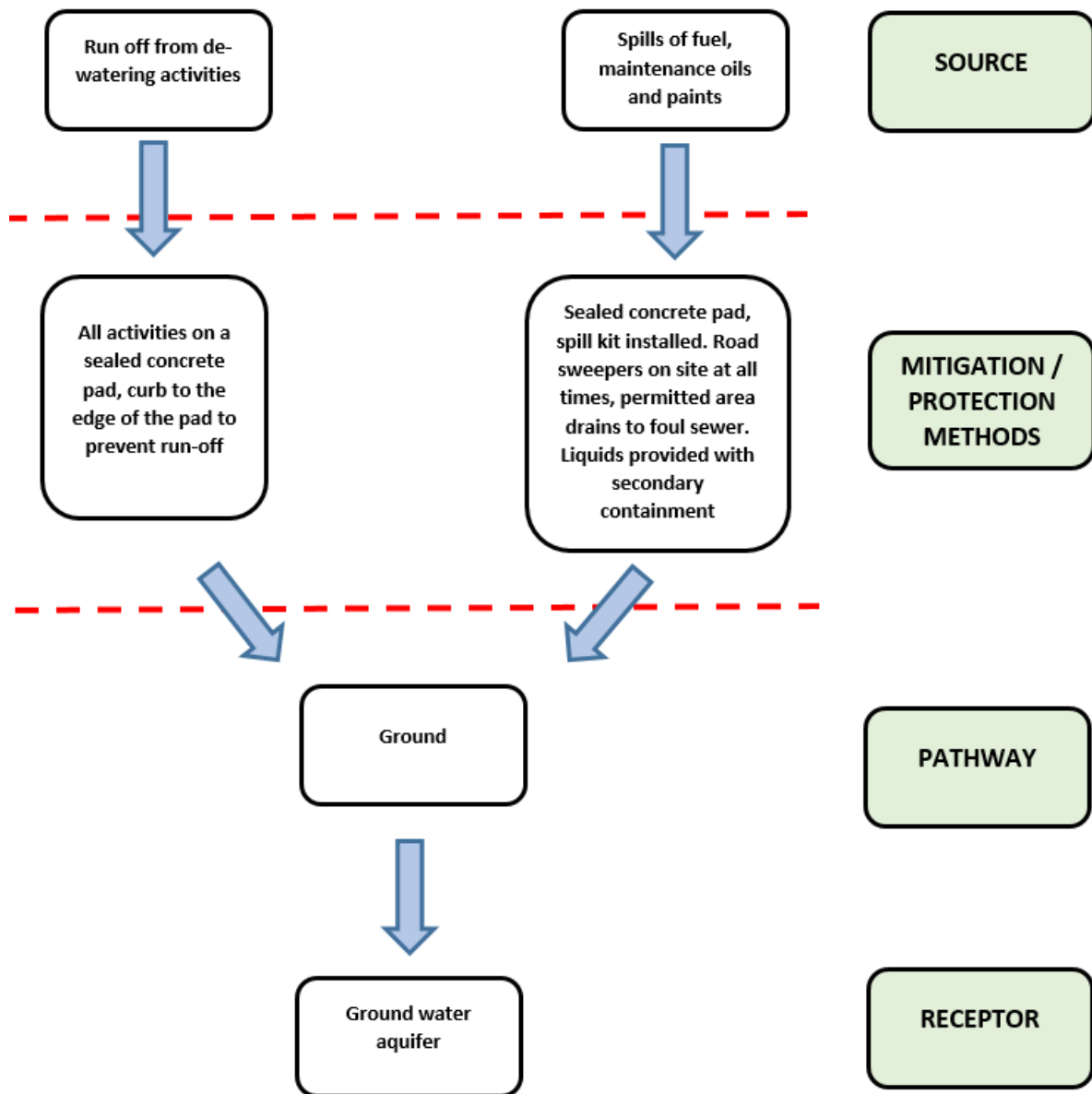


Once built the site has been used for storage of drilling equipment and vehicles until Go Plant Limited started renting the site in 1995.

Basic Conceptual Site Model (CSM) showing the source-pathway-receptor linkage and how they are to be broken - Surface Water – River Dearne



Basic Conceptual Site Model (CSM) showing the source-pathway-receptor linkage and how they are to be broken - Ground Water – Principal Aquifer



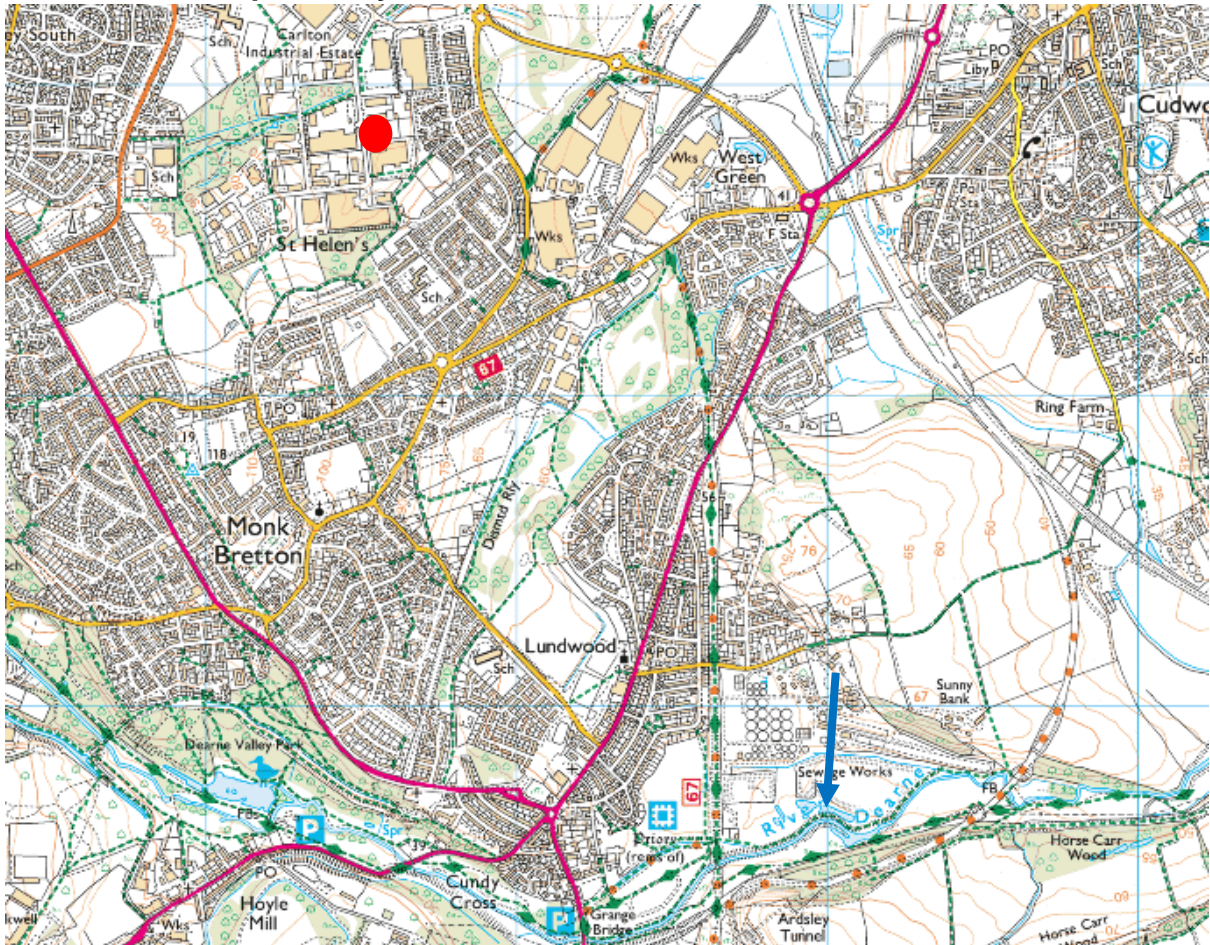
Description of nearby surface water features/watercourses and the potential risks



The site is located within the Dearne Valley Catchment, with the closest water course being open surface water drains, which are part of the River Dearne Catchment. The River Dearne is located over 2,000m from the site.

The River Dearne is fed in the locality by surface water drains and dykes from the Northwest Industrial Estate. In the event of and containment or spill at the site without any pollution prevention measures that are explained within the Environmental Risk Assessment and highlighted in the Basic Conceptual Site Model (CSM) there would certainly be an impact on surface water from runoff, however preventative measures have been taken, these include –

Drains – The whole operation is carried out on a sealed concrete pad that drains to the foul sewer. The pad is edged with a concrete curb. This also protects from spills of plant fuel, grease or any other liquids entering surface water drains.

Site location in proximity to the River Dearne



Symbol	Item
	Site
	River Dearne

3.0 Permitted activities	
Permitted activities	De-watering of road sweepings
Non-permitted activities undertaken	Related activities to serve the waste management activity including – <ul style="list-style-type: none"> - Office - Maintenance of plant and equipment
Document references for: <ul style="list-style-type: none"> • plan showing activity layout; and • environmental risk assessment. 	Site plan

Permitted activities

The permitted activity is the de-watering and storage of road sweepings.

The sweepings are derived mainly from construction sector.

Non-permitted activities undertaken

The site has a small office area and plant workshop.

The office is used solely for office activities and is not located within the permitted area.

The workshop area is used for maintaining the company’s fleet of road sweepers.

The is storage of hand tools, power tools, welding equipment and COSHH items within a COSHH cabinet.

Fuel is stored within bunded tank.