

#PIn Effluent Treat Plant

ROW02-CFL-P2-XX-RP-A-07020

Design and Access Statement

Status Code
S2

Revision
P01

RIBA Plan of Work Stage
Stage 3 Spatial Coordination

Information Management Process Activity

Uniclass 2015 classification
PM_40_30_23: Design philosophy statement

Status Description
Suitable for information

Date of Issue;
Wednesday, 12 August 2020

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P01	S2	Ch.003	Submission to Local Authority as Part of Formal Planning Application	CFL	12/08/2020

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Design and Access Statement

Proposed Effluent Treatment Plant

Rowan Foods Ltd
Ash Road South
Wrexham Industrial Estate
LL13 9UG

August 2020

Introduction

This document contains information to support a Full Planning application for a proposed installation of additional effluent treatment plant facility for Rowan Foods, at their site on Ash Road South, Wrexham Industrial Estate.

This application pertains to the following works –

Proposed expansion of effluent treatment plant equipment.

The proposed works are required due to the costs of the temporary effluent treatment plant currently being rented to Rowan Foods. The proposed effluent treatment plant equipment works are required to meet the existing requirements set by Welsh Water Plc for the site and are being carried out as part of Rowan Foods commitment to the current and long term future of the facility.

The requirement for the effluent treatment plant equipment is a result of the ongoing success of Rowan Foods in expanding their product range and potential increase in order numbers.

All existing parking provisions and employment figures will remain unaffected as part of the proposed works.

Amount

- The proposed works involve the following:
- Installation of 1No. Balance Tank colour black
 - Installation of 1No. Control Room colour olive green
 - Installation of 1No. DAF Clarifier colour stainless steel
 - Installation of 1No. Caged Acid IBC colour galvanised
 - Installation of 1No. Caged Caustic IBC colour galvanised
 - Installation of 1No. Caged Coag IBC colour galvanised

1. Accessibility

1.1
The site is bound to the North, East & West by neighbouring industrial buildings with a small stream running along the north boundary of the site. The South of the site runs parallel to Ash Road South which is in turn bound to the South by Erlas Black Woods and an area of undeveloped green land.

1.2
The site has excellent infrastructural links, surrounded by numerous A roads which connect directly to both the M56 & the M6. The site is served by Ash Road South to the South of the site.

The nearest railway station is Wrexham Central, located 4.5 miles from the site. The site itself occupies an overall site area of approximately 11.19 acres.

1.3
Cox Freeman’s Proposed Site Plan drawing no. ROW02-CFL-00-00-AP-A-0501, indicates the extent of the new application



(Figure 1 – Aerial photograph of the Rowan Foods facility (Outlined in Red).
Image courtesy of Google Earth, © Google)

2. Environmental Sustainability

2.1

Great Crested Newts are known to be in the general area of the site, although the development will be carried out on areas of hardstanding ground. There is not known to be any Great Crested Newts in this area of the site. Reasonable avoidance measures will be adopted should any Great Crested Newts be discovered during the construction works.

2.2

This application is made on a site where areas of contamination are not known to be present

2.3

The site is not considered to be at risk of flooding, nor is it likely to increase the flood risk elsewhere. It is currently located outside of a flood zone.



(Figure 2 – Flood Zone Map, red denotes the location of the development site © Environment Agency)

3. Character

3.1

The new effluent treatment plant area will create 193.5m² of concrete hardstanding with a 300mm high concrete retaining bund upstand creating a volume of 56m³. The proposed Balance Tank is 4.5m diameter and 6.99m height (Max volume 75m³) The Control Room is 6m x 4m x 2m height. The DAF Clarifier unit foot print is 6.7m x 3m and 2.5m height. The 3 other caged IBCs is 3.5m x 2m x 1.8m height with appropriate bunded stands.

The proposed DAF Clarifier discharge outlet pipe will be within the concrete bunded area and drain into the existing trade effluent reception sump within the existing effluent treatment plant bunded area.

3.2

The proposed effluent treatment plant concrete pad / bunded area is designed that if there is a balance tank failure / spillage or catastrophic failure will be contained within the concrete bunded area and existing bunded area of the effluent treatment plant area with any surplus effluent being allowed to pass by gravity into the existing sewer. This would eliminate any possibility of trade effluent escaping into any nearby surface water system with all adjacent watercourses being protected.

4. Community Safety

4.1

The site operating times ensure that the site is effectively monitored by staff and drivers 24 hours a day, seven days a week.

4.2

The site is fully enclosed within perimeter fencing with 24hr controlled access via the gatehouse.

4.3

The hours of opening for the site are as follows.

Monday to Friday	24 Hours
Weekends	24 Hours
Bank Holidays	24 Hours

All staff and visitors circulating the external areas of the site on foot are to be correctly attired with a high visibility vest / jacket / protective eyewear in accordance with the Client's site Health & Safety procedures.

All staff and visitors are to stick rigidly to the Client's protected pedestrian routes implemented around the site. Any visitors to the site are to made aware of the site risk assessments by a member of the Client's team once arriving on site, including all relevant site inductions prior to leaving the reception area.