



Construction Surface Water Management Plan

DELTA ENGINEERING GROUP
Manby Road,
South Killingholme,
Immingham,
North East Lincolnshire
DN40 3DX
Telephone: +44 (0) 1469 565680
Fax: +44 (0) 1469 565690

Site Name: Yara UK Ltd, Chedburgh

Contractor Name: Delta Engineering Group Ltd

Planning Application No: DC/21/2303/FUL

Introduction & Aim

The requirement for a Construction Surface Water Management Plan (CSWMP) is based on the duty to ensure that surface water quality and quantity is managed throughout the construction process to mitigate impacts off site.

Site Location





Managing Surface Water During Construction

It is the intention to utilise the existing system that is in place. Currently all rainwater falling on this site is collected and stored on site to be used as part of the Clients manufacturing process. The surface water sewers are not connected to the public sewer system.

The site around the existing building is all concrete paved and laid to falls. All surface water is directed to two drainage sumps shown on drawing 45255/021A. The smaller sump marked No1 works as an intermediate pumping station (IPS) with a float operated pump which transfers the flow to the larger sump marked No2. This sump has two pumps operating on a duty/stand-by cycle and are also float operated. These pumps transfer the flow to the Eastern end of the site to the surface water storage lagoon.

During the construction phase it will be the responsibility of Delta Engineering Group Ltd to monitor the site drainage system and liaise with Yara UK Ltd regarding its operation.

Currently rainfall to the building roof is discharged at ground level around the perimeter of the building and runs overground to No2 sump. As part of the development, the new building will have gutters and a carrier pipe that will transfer the rainfall directly at high level into the existing storage lagoon to the North of the building as shown on drawing 45255/021A.

The site is impermeable at present and the development will not be increasing the impermeable area therefore the flow rates will not change. A check with the Environment Agency has shown the local flood risk to be at 0.1% Historically the site has managed to retain all runoff from site so can continue to do so once development is complete.

Company Accreditations

- ISO 9001:2015 Quality Management System
- ISO 45001:2018 Safety Management System
- ISO 14001:2015 Environmental Management System
- BS EN1090 1-2 CE Marking Structural Steel Fabrication
- SSIP Safety Management Systems
- ROSPA GOLD Safety Presidents Award

Appendices

- Drawing 45255/021A Drainage Strategy
- Delta Engineering Group Ltd Environmental Policy



Ian Hopkinson
HSEQ Director

14th Mar 2024