

AUGEAN CASE STUDY

Chesterfield Canal Dredging



Client: Ebsford Environmental
Project: Dredgings treatment and disposal
Contract Duration: Jan-Mar 2021

CHALLENGES & OBJECTIVES

Chesterfield Canal was a key part of British infrastructure following its construction in 1777 for the transportation of coal, limestone, lead, iron and corn amongst other merchandise. Since its official closure in 1961 the canal was designated a "cruiseway", being retained for leisure use.

With the canal's newfound "cruiseway" designation its management has been split between the Canal & River Trust in the east and Derbyshire County Council in the west, maintained for leisure seekers in the area. However 7,900 tonnes of sediment was disrupting the use of the canal and needed removing.



SOLUTIONS

Working alongside Ebsford Environmental, Augean treated these dredgings at its storage, treatment and disposal East Northants Resource Management Facility (ENRMF) located near Peterborough.

The dredged sediment was de-watered within our purpose-built lagoons and then transferred to our on-site permitted treatment areas where a dehydration and solidification process was carried out using lime-based material.

Following treatment the dredgings were tested and assessed using our on-site UKAS accredited laboratory to determine the level of contaminants, then disposed of in an on-site cell safely and compliantly.

BENEFITS

Ebsford Environmental and Augean were able to react quickly to a last minute request from the Canal and River Trust to expand the scope of the works relating to the canal's restoration. The dredgings removal and disposal was achieved with no break in operations and with no interruption to the leisure use of the canal.



Working closely alongside Ebsford Environmental's dredging team enabled us to adapt to their needs very quickly so that a fast, cost-effective solution could be provided for the storage, treatment and disposal of these sediments in a compliant and reliable way."

David Bumpstead

Business Development Manager - Construction, Augean