

CASE STUDY



Esholt WWTW Cake Silo Emergency Dig-Out

Esholt WWTW, Bradford | Yorkshire Water

2x Silos

Cleaned

4 Days

Programme

£15K

Contract Value





PROJECT OVERVIEW

Esholt WWTW Cake Silo Emergency Dig-Out

CLIENT

Yorkshire Water

LOCATION

Esholt WWTW, Bradford

PROJECT TYPE

Emergency Cake Silo Dig-Out & Clean

CONTRACT VALUE

£15,000

PROGRAMME

4 Days (Friday night mobilisation)

RESOURCES

Specialist Grab, 2x Tractor Trailers, Recycler Unit

Specialist grab positioned over cake silo tipping access



Specialist grab working in screw shaft chambers deep within the silo

SCOPE OF WORKS

What We Delivered

MRMS delivered a Friday-night emergency mobilisation, deploying a specialist grab, tractor trailers and recycler unit to fully clear and clean 2 blocked cake silos at Esholt WWTW.

1

Emergency Overnight Mobilisation

Lowloader with specialist grab and tractor trailers mobilised on Friday night for an early-start Saturday morning response.

2

Grab Cake Extraction

Specialist grab used to extract cake from within the tight HGV tipping access through to the top of the silo, loading directly into tractor trailers.

3

Cake Haulage to Conditioning Pad

Loaded trailers transported cake to the conditioning pad at the far end of the site for disposal and treatment.

4

Specialist Grab for Deep Clearance

Specialist grab attachment used to clear cake from between silo strengthening supports and within the bottom divided screw shaft chambers.

5

Recycler Jet Wash & Clean Down

Recycler unit deployed to jet and dilute remaining cake, washing down and around all screw shafts to prepare silos for repair works.

KEY CHALLENGES & HIGHLIGHTS

What Made This Project Stand Out



Specialist grab attachment clearing between silo strengthening supports



Deep access within the cake silo screw shaft chambers, Esholt WWTW

Rapid Emergency Response

Works were instructed on a Friday and required overnight mobilisation of a full equipment train - specialist grab, tractor trailers and recycler - to be set up and operational by Saturday morning.

Extremely Confined Working Conditions

The tight HGV tipping access above the silo and the narrow internal chambers severely restricted plant manoeuvring. The specialist grab was essential to reach material within the strengthening supports and screw shaft divisions.

Confined Space Excavation

Working deep within the cake silos required the specialist grab to clear blocked material without damaging the silo structure or screw shaft mechanisms.



Esholt WWTW site - overnight mobilisation

Specialist grab on-site, Bradford



Specialist grab clearing cake from silo chamber

Deep clearance within screw shaft divisions



Inside the cake silo during dig-out operations

Esholt WWTW, Yorkshire Water

MRMS | CASE STUDY SUMMARY

MRMS successfully excavated 130 m³ of cake from 2 blocked silos at Esholt WWTW within 4 days of emergency mobilisation - fully cleaning the silos, clearing the screw shafts, and enabling Yorkshire Water's repair contractor to complete all works on programme.

130 m³

Cake Removed

2x Silos

Fully Cleaned

4 Days

Total Programme

£15K

Contract Value

Mobilised. Cleared. Back in Service.

Get in touch

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