

Haigh Inlet Screening Systems

HAIGH

REMOVE • WASH • DEWATER • COMPACT • SCREENINGS



Water is precious. Save it!

Inlet Screening Systems

Automated equipment for the
wastewater and sewage industry.

- No separate washwater supply required - pays for itself in 2½ years
- 98% of organics removed and returned to inflow treatment
- 95% volume reduction of screening and compacted to 40% dry solids content
- 64% high screening capture - highest in it's class
- End product suitable for landfill



BEFORE



AFTER



For more information, contact
Brown Brothers Engineers.

 Brown Brothers
Engineers Ltd

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www.brownbros.co.nz

DELIVERING PUMPING SOLUTIONS® since 1908

CASE STUDY

490 ACE Screener at Omakau WWTP

APRIL 2021

SPECIFICATION

A 490 ACE Screener (V2) mounted in a prefabricated inlet complete with a series 2 153 Ace Pump, LS305-4VR Lipactor Station and push button type control panel.

INSTALLATION

The 490 ACE Screener prefabricated inlet is positioned on a flat concrete plinth and piped in and out.

The Lipactor Station is positioned at higher level to allow the decant to flow by gravity into the settling pond downstream of the screener.

The screenings are discharged from the Lipactor into a Haigh Carri-skip for easy removal by the operations team to a central skip, thus avoiding trailer movement charges on site/landfill.

The equipment is suitable for handling the maximum gravity flow rate of 30 l/s.

Ease of access and maintenance is designed into inlet site layout by Brown Brothers Engineers as standard.



END USER:

Central Otago D.C.

CONTRACTOR:

Fulton Hogan

FLOWS:

DWF = 8 l/s

FFT (Gravity) = 17 l/s

KEY BENEFITS:

- Remote Dewatering
- No Washwater Required
- Improved Downstream Processes
- High Screenings Capture Ratio (SCR)
- SCR Performance Maintained over Time
- Low Headloss
- Small Footprint
- Modular Design for a Simple Project
- Low Volume, Low Odour Screenings
- Infrequent Operation keeps Operating Costs down
- Organics Returned to Flow

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