



# JWC International® SUCCESS STORY



Project Name: Nigg Screenings Transfer Pump Station

Project Description:

Protect the screenings transfer pumps, the pumps were becoming regularly blocked with screening and rags, especially during storm condition during the first "flush"

Contact Info:

Keith Birtles  
Grampian Water

Site Address:

Nigg STW  
Nigg  
Aberdeen  
Scotland

Competitor Info:

Mono / Clyde, proposed to install 2 x In-line Series A Munchers for each Pump. This would have doubled the cost of the project.

Installation Details:

Full M & E installation completed:  
March 2005 By WGM Engineering Scotland

**APPLICATION DATA:**

Flow Capacity:

18m<sup>3</sup>/hr

D.S %:

4-6%

Motor Size & Protection:

4.0Kw IP55

Unit Model Number:

30005-0018-DI

Serial Number:

101597-1-1

Special Features:

Sump mounted gallery frame manufactured in mild steel.  
Hot dip galvanized finish.



**JWC INTERNATIONAL**

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JWC recommended that the best solution would be to install a gallery mounted grinder on the inlet to the wet well: one channel grinder would be sufficient and there would be no need to have 2 grinders on each pump (like the offering from Mono), as the flow is treated before reaching either pump.

Design/Installation was made simple by using a JWC designed galley frame that can be easily installed. Installation was completed with no disruption to the site and completed within a day. After installation the requirement for operators having to de-rag 2 x Centrifugal Pumps was eliminated subsequently, the down time to the pump station has been reduced and this has made the operator's lives much easier.