BEST PRACTICE

LOCATION:	**Quarry**	**ARTICLE YEAR**	**2022**
ACTIVITY:	**Maintenance & Housekeeping**	**COMPANY:**	**Aggregate Industries**
SUB ACTIVITY:	**Conveyors**	**COMPANY LOCATION:**	**Newbold Quarry**
BEST PRACTICE No:	**BP2186**	**COMPANY TEL:**	**0000**
COUNTRY OF ORIGIN:			

TITLE

Safer access and ggress into primary and secondary washing screens

ARTICLE

Highly Recommended

Newbold Quarry is the largest sand & gravel quarry in Aggregate Industries and is a key source of materials in the supply chain strategy across the Midlands region of the UK.

The material is excavated from the ground and then conveyed from the quarry face to a surge pile near the process plant. From this surge pile the sand and gravel is washed and separated into its saleable products as it passes through our process plant.

The two primary double deck vibrating washing screens are processing 500tph each screen and are fitted with water spray bars which wash the material through polyurethane modules - 300mm wide by 1000mm in length. The modules are fitted to the metal rails on the screen which are approximately 260-270mm apart from each other.

Entering the screen (in-between the rails) for maintenance purposes is very difficult and most importantly requires a person that can fit through that narrow gap. The restricted access and egress to the screen is also considered medium to high risk as there will be a delay in rescuing in case of an emergency.

As planned preventative maintenance and inspections through the modules of these screens are conducted daily, we have contacted the screen supplier who have designed and manufactured 600mm by 1000mm modules that can be installed on the top and bottom deck by removing 2 non-structurally significant rails from the screen deck. By doing this, access and egress will be less restricted and the process much quicker and could mean the difference between life and death in case of an emergency.

Please see **additional pdf** for more information and the images below.





ARTICLE IMAGES