



OBJECTIVE:

To create all-inclusive accommodation for multiple temporary mining camps.

CHALLENGE:

To develop a plumbing solution that complies with strict environmental regulations.

SOLUTION:



SANICUBIC 2 PRO WP



SANICOM 1

SURAT BASIN MINING CAMP, QLD

The Surat Basin is a 270,000 km² region, known for its rich mining heritage. In early 2013, a new temporary mining camp was proposed after excavation was approved for a coal seam gas site. With the influx of mining migration to the region, the need to create on-site housing to accommodate the 'fly-in, fly-out' staff was fundamental.

The traditional container dwellings, referred to as 'Donga's', proposed many challenges for the mining

management when they were seeking a plumbing solution.

To achieve the container housing, with all the amenities, including a kitchenette, shower, basin and toilet, Saniflo suggested the Sanicubic 2 Pro WP for its high performing reliable macerating pump. For the large commercial kitchen and laundry facility, Saniflo suggested the Sanicom 1 for its durability and efficiency under higher temperatures.

"When mining excavation is approved, it's often conditional with strict environmental regulations. This means that the occupying area needs to be left as it was found. So, seeking a plumbing solution at above ground level, with no connection to sewage mains, was an initial concern for the mining management team."

- Nick Moore, Business Development Manager, Saniflo Australasia.



SANICUBIC 2 PRO WP

Saniflo implemented a streamline plumbing and hydraulic design that would enable multiple plumbing fixtures to be connected to the Sanicubic 2 Pro WP. The pump was the ideal solution as it was able to process a greater amount of incoming waste, and in the event of excessive use, the pumps back up macerator would engage to ensure optimal functionality.

“The Sanicubic 2 Pro WP was an excellent solution for the mining camp as it enabled them to connect 3 containers to a single pump. This unit was so powerful that it was able to withstand incoming black and grey water from 9 occupants at any given time.”

- Nick Moore, Business Development Manager, Saniflo Australasia.

KEY BENEFITS:

- ✓ Innovative plumbing allows installation of underground wet areas.
- ✓ Heavy-duty pump pushes waste water up to 11m vertically or 110m horizontally to the sewerage and stormwater mains.
- ✓ Powerful and reliable with two motors and a wireless alarm.

The installation of the Sanicubic 2 Pro WP resulted in a simplified plumbing system. The outlet pipework was connected directly to an above ground holding tank, which was 70 metres away from the pumps. The powerful lifting station was the only solution in the market that was able to pump waste a further distance.

SANICOM 1

The Sanicom 1 pump was used for the large commercial kitchen and laundry facility. The pump was ideal for these spaces as it is resistant to higher temperatures, increased levels of incoming water and grease.



KEY BENEFITS:

- ✓ This mid-sized commercial grey water pump is designed to handle higher temperatures and a higher flow rate.
- ✓ Temperatures between 35°C and 90°C can be accepted.
- ✓ Pumps up to 8m vertically, 100m horizontally, or lesser combinations of both.
- ✓ Allows the installation of multiple sinks, coffee stations, commercial kitchens, dishwashers, glasswashers, washing machines bath and shower.

“With increased and frequent use of these spaces, the camp needed a reliable and durable solution to withstand the conditions and minimise the risk of failure.”

- Greg Waters, Technical Manager Saniflo Australasia.



At its peak, the temporary mining camp in the Surat Basin housed a total of 60 dwellings, which could accommodate approximately 180 people. Throughout the two year project, the camp numbers were continuously scaling and at its maturity over 400 Saniflo pumps had been installed.

Remote area mining camps need specialised plumbing solutions that are robust and maintenance free. Saniflo's commercial range of pumps, Sanicom and Sanicubic 2, were the only pumps on the market that had powerful lifting and pumping capabilities for the gravity treatment at the Surat Basin campsite.

As mining sites reach the end of excavation and campsites are decommissioned, the Saniflo pumps provide the added benefit of their mobility. The pumps can be safely transported with the camp and re-installed in new configurations; cost effective and practical!

“The mining camp project management were extremely pleased with the outcome and grateful for our ability to meet and exceed their expectations.”

-Greg Waters, Technical Manager, Saniflo Australasia.

ABOUT SANIFLO

Saniflo is a brand created and owned by the French owned SFA Group . For over 60 years the SFA Group's goal has been to allow one to easily install toilets, showers, sinks, kitchens, baths and hand basins literally anywhere. From its early beginnings as the inventor of the domestic macerating system, the SFA Group is today amongst the main companies providing pump solutions worldwide. Synonymous with quality and technical expertise, Saniflo's made in France products comply with the strictest quality requirements and consistently meet customer expectations. Saniflo products all have Australian Watermark approval and their pumps are intended to be installed by licensed plumbers.

SANIFLO'S DESIGN SERVICE

Saniflo offers project consultancy and assists architects and hydraulic consultants by reviewing plans, assisting with design layouts and recommending the correct pumps and their ideal location. We even work with the plumber onsite during installation to ensure that everything goes as planned. Saniflo has a wide selection of products for domestic and commercial application to provide design flexibility.



Shaking up water

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