

# REMOTE IRON ORE MINING VILLAGE — WASTEWATER SLUDGE DEWATERING

## CASE STUDY

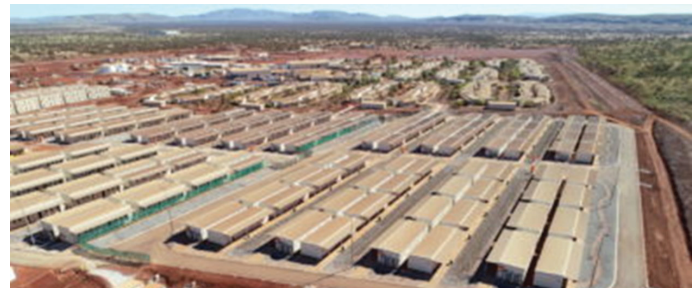


The remoteness of the iron ore mines in Western Australia means the workers facilities need to be supplied with their own infrastructure including sewage treatment plants.

The solid waste produced from these plants, otherwise known as biosolids, needs to be disposed of in an appropriate manner.

As land use permits and suitable discharge locations are forever changing, reducing the volume of biosolids to be transported is critical in remote areas. The HUBER Q-PRESS® is a economical, simple, slow speed and effective mechanical dewatering device which is perfect for sewage treatment plants of this size.

Numerous mine camps utilise the HUBER Q Press for sludge dewatering.



### Key Benefits:

- High cake solids—high volume restriction
- Low wash water requirement due to intermittent washing (Typically < 120 L/hr)
- Lowest energy demand
- Automatic Unattended Operation
- Max internal speed of 1RPM
- Lowest maintenance demand
- Full stainless steel construction
- Fully enclosed system



Item	Value
No. of units	1
Capacity	3 - 4 m3/h
Feed Solids	0.5 - 1%
Dry Solids	17 - 18%