



SPIRAC[®]
Conveying Technology

Case Study

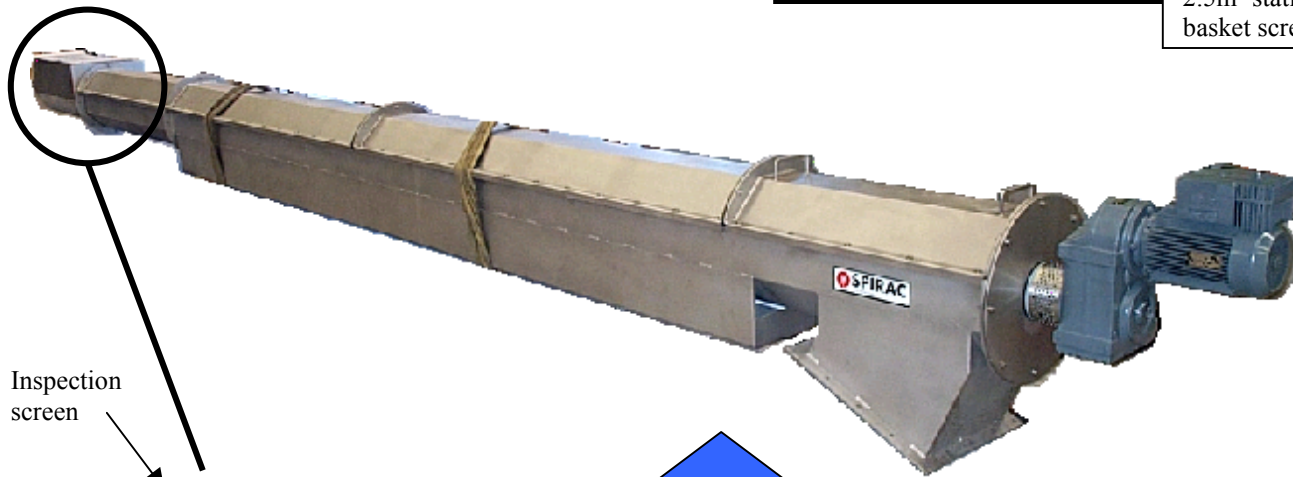
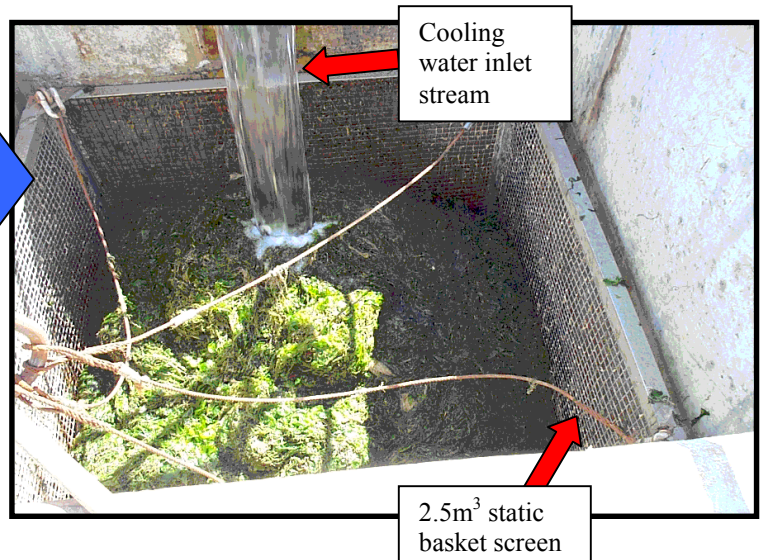
No. CS-3970-AU-SEA

Application:

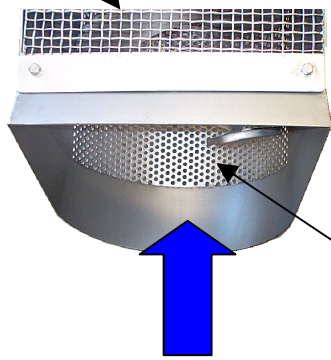
**Powerplant cooling water
seaweed screening**

The problem:

A static basket screen was used to remove seaweed from equipment cooling water. The basket had to be removed and emptied several times a day (up to 40 times per day during heavy seasonal periods). This task was performed by an outside contractor, and was an ongoing significant expense. Dead fish and crabs made for unpleasant odours and handling. Several other solutions were tried, none proving successful.



Inspection screen



Perforated screen
(10mm apertures)

Seawater/seaweed inlet

The SPIRAC solution:

- A SPIRAC Model CS400 Channel Screen incl:
- 9m overall length
 - pivoting fulcrum for inspection and maintenance
 - 10 mm diameter perforated screen
 - spiral brush to clean screen from inlet side
 - level sensor and automatic control panel

Contact:

For additional information or contact details for this project or your local SPIRAC office, check our Website at www.spirac.com

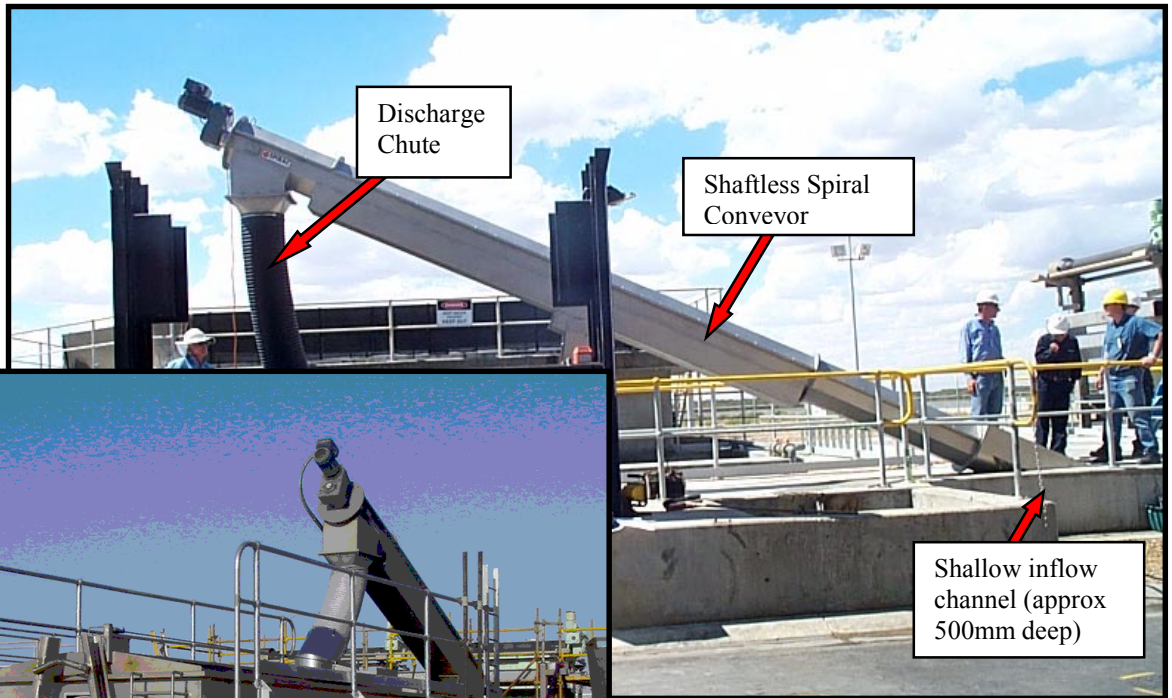


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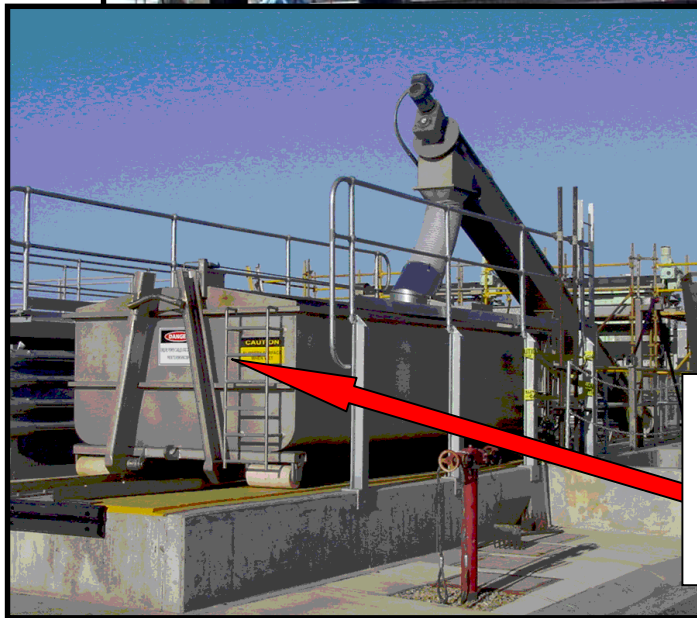
The Installation



Discharge Chute

Shaftless Spiral Conveyor

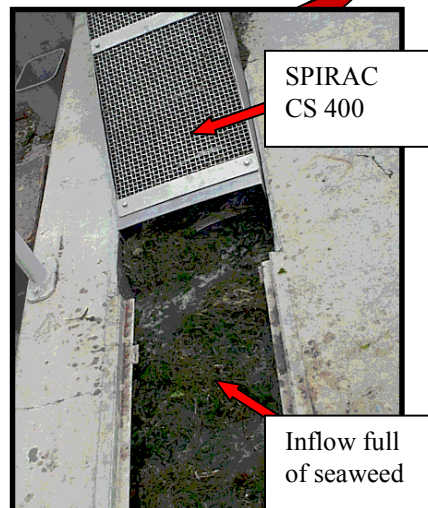
Shallow inflow channel (approx 500mm deep)



SPIRAC SPIROTainer 10m3 self filling road transport bin with built in distribution spiral conveyor for automatic self filling operation and alarm/auto shut-off when full. Completely sealed for odour prevention.

The Benefits

- Dramatic reduction in maintenance and transport costs
- Cleaner water
- Automatic operation
- High reliability
- Very short payback period
- Easy transport handling
- Odour free and clean



SPIRAC CS 400

Inflow full of seaweed



Clean Outflow

Contact:

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