



**SPIRAC**<sup>®</sup>  
Conveying Technology

# Project Summary No. PS-4279-AU-SCR

## Application:

**Inlet works screenings system**

### The Site:

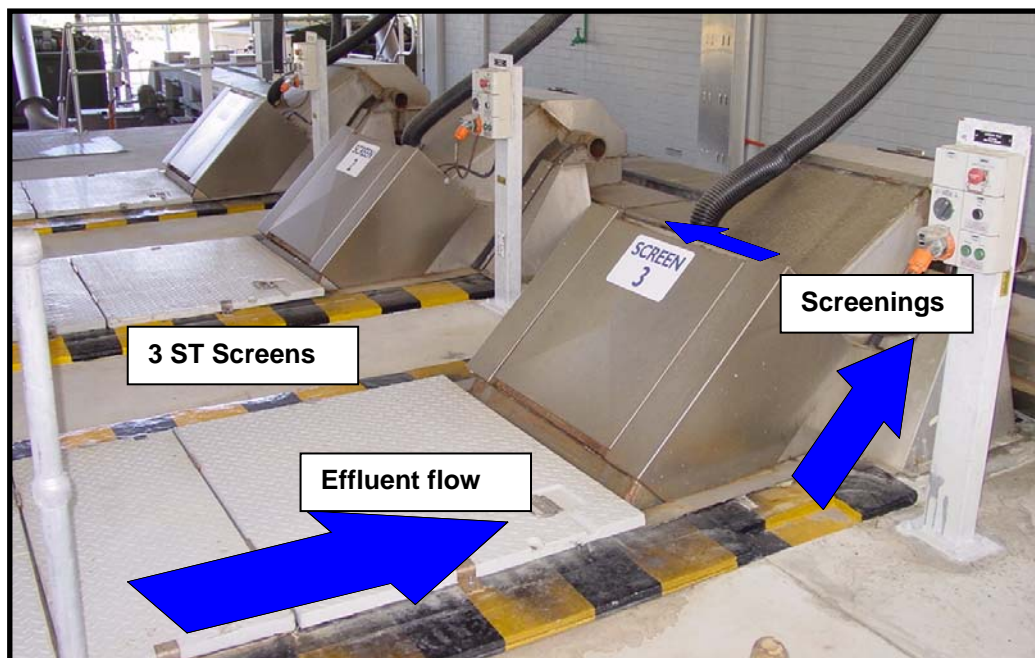
The Beenyup Wastewater treatment plant is located in Perth, Western Australia and serves a regional population of up to 700,000. The plant underwent a large scale upgrade in 2002/03 and SPIRAC played an integral part in supplying a screening system, grit washer and sludge transport, storage and outloading conveying system. The SPIRAC systems were commissioned in October 2003 and have been operating continuously thereafter.



### The Step Screens:

Five SPIRAC Model ST Fine Screens were specified and supplied:

- 2 x ST2800-1500-6 duty/standby each with 1500 lps capacity
- 3 x ST2800-800-6 duty/standby each with 800 lps capacity
- discharging to two U320 shaftless spiral conveyors



### Contact:

For additional information or contact details for this project or your local SPIRAC office, check our Website at [www.spirac.com](http://www.spirac.com)



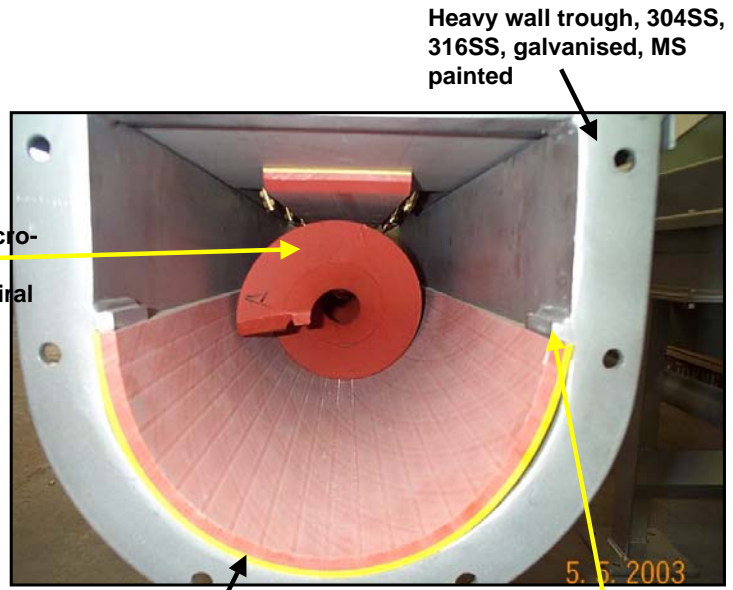
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## The Conveyors:

Two SPIRAC Model U320-SPX/SS  
Shaftless spiral conveyors:

- 1 x 30m length, 1 x 20m
- 24/7 operation
- Fully sealed, odour tight



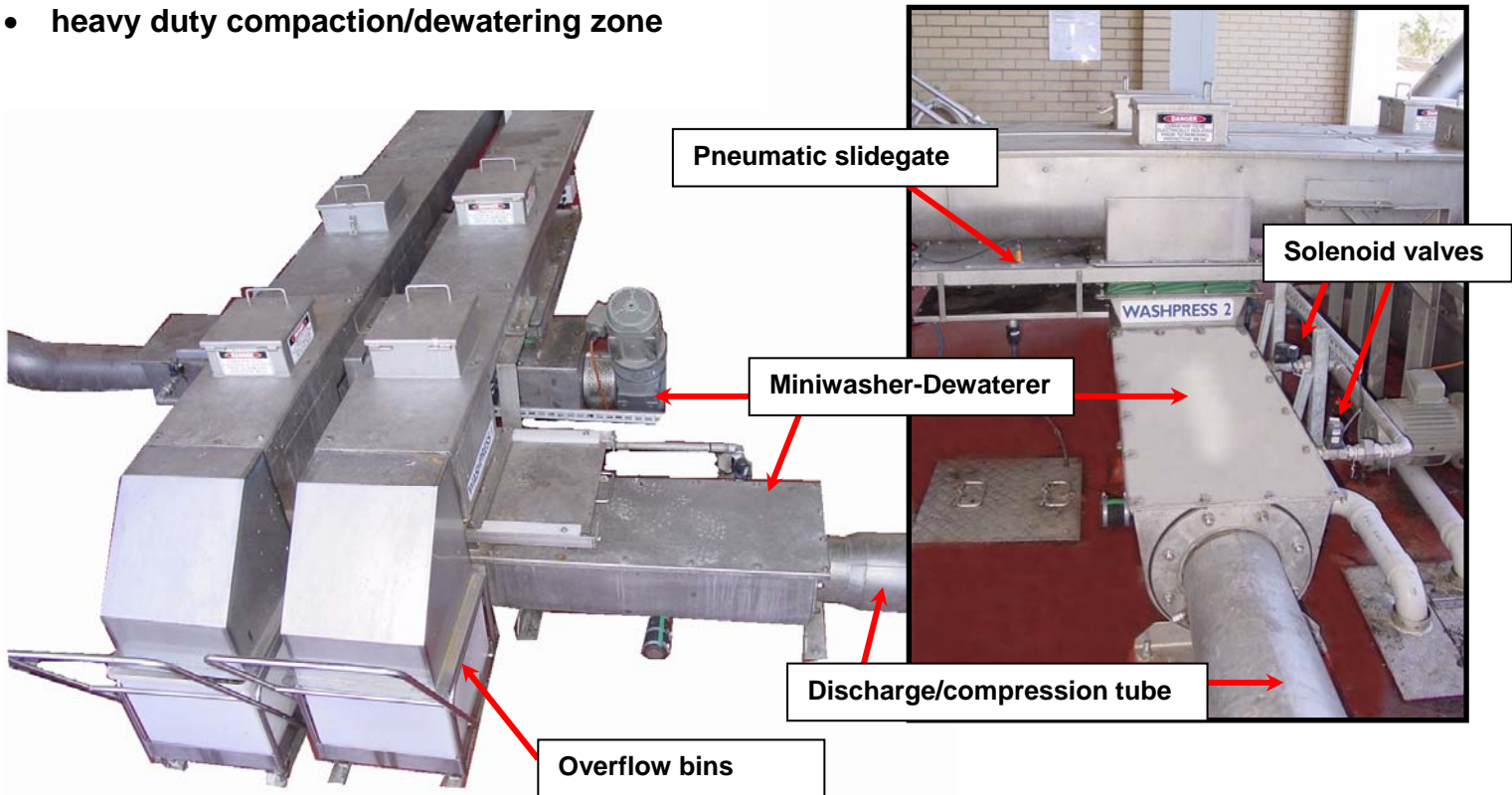
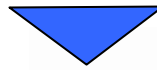
SPX low friction liner with yellow wear indicator

Liner lugs to keep liner in place, but allowing easy changeout

## The Miniwashers:

Two SPIRAC Miniwasher-Dewaterers:

- 2 x WP215-800 (6m<sup>3</sup>/day each design)
- High strength spiral/drive package
- 1 x washing solenoid / 1 x rinsing solenoid
- heavy duty compaction/dewatering zone





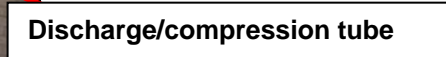
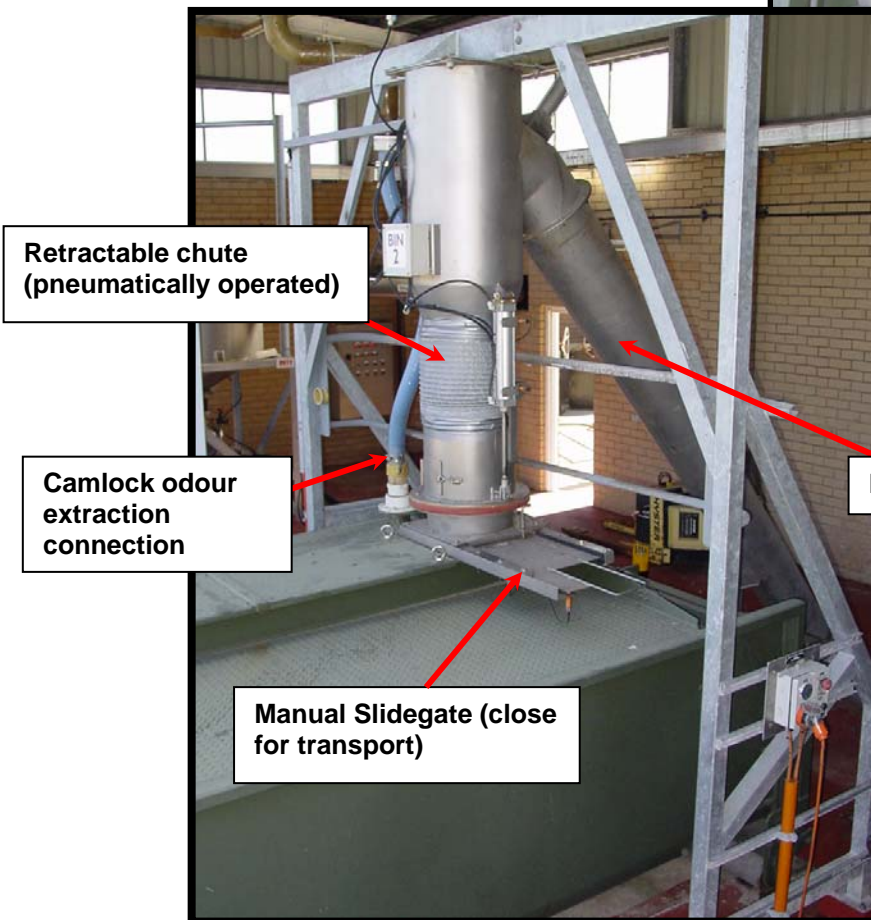
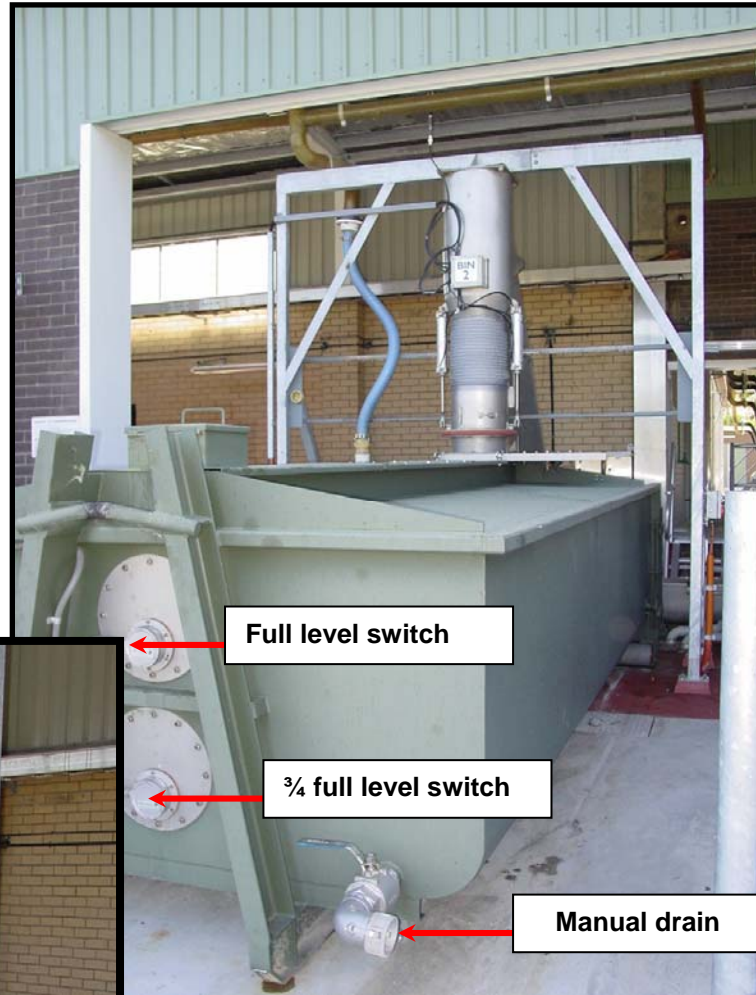
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## The SPIROTAINERS:

Two SPIRAC Model STU-355SPX/MS-10m3

- self filling containment and road transport system
- odour and leak sealed in filling and transport modes
- self filling with auto shut-off when full
- pneumatic retractable inlet chutes
- hinged, tight closure dump door



## Bin Transport and landfilling:

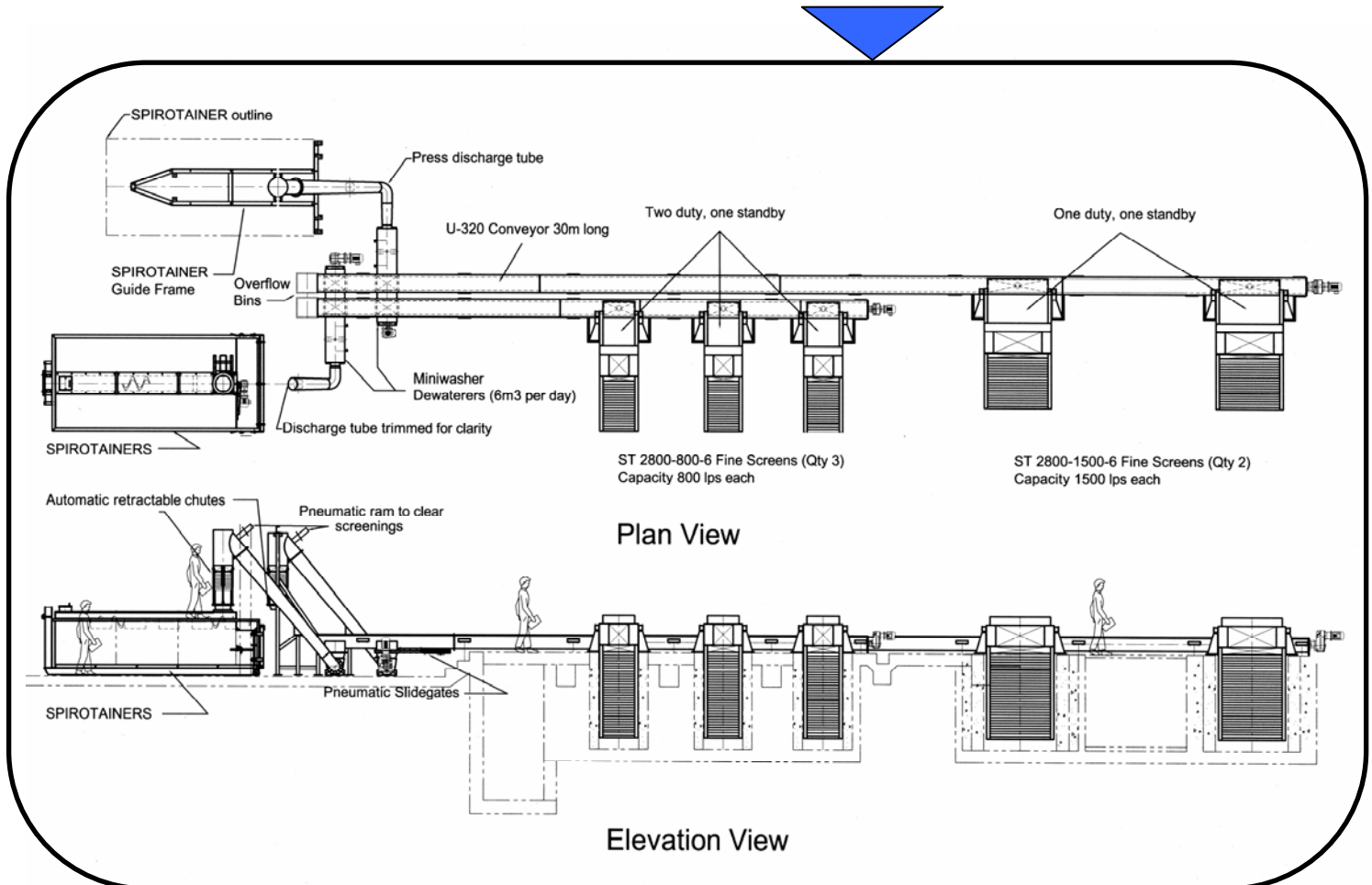
The two SPIROTAINER units are emptied at local landfill facilities weekly. There are no odour complaints from the landfill authorities.



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**Excerpts from the drawings:**



## **The Benefits:**

- Fully contained screenings from channel to landfill
- Single source responsibility
- Tight odour control (virtually odour free)
- Low maintenance, trouble free operation
- Dryer, cleaner screenings

### **Contact:**

For additional information or contact details for this project or your local SPIRAC office, check our Website at [www.spirac.com](http://www.spirac.com)