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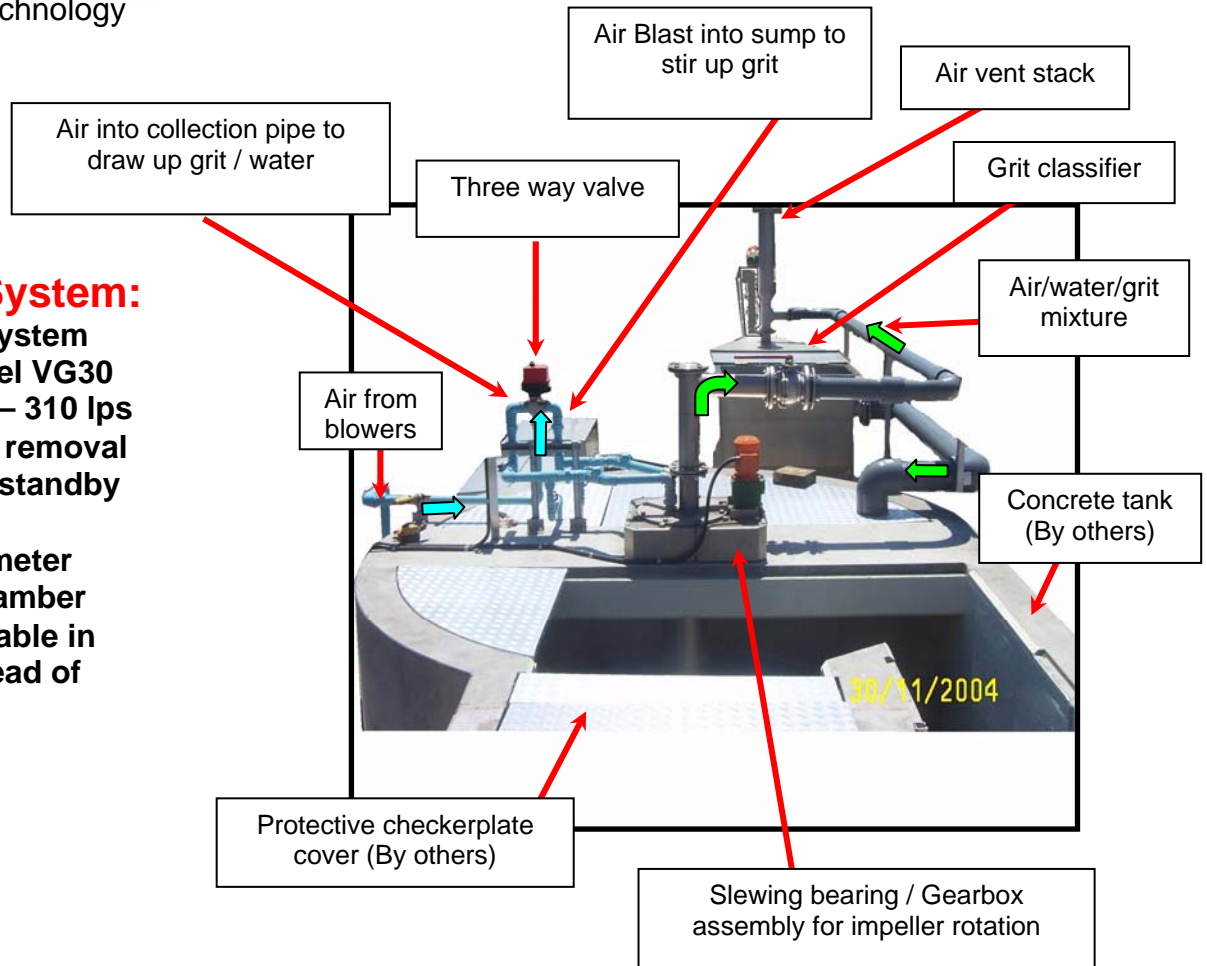
# Project Summary No. PS-4460-AU-S&G

Small inlet works system – ST Fine Screen with screenings washer/compactor (Miniwasher Dewaterer) and Grit Vortex Chamber / Classifier

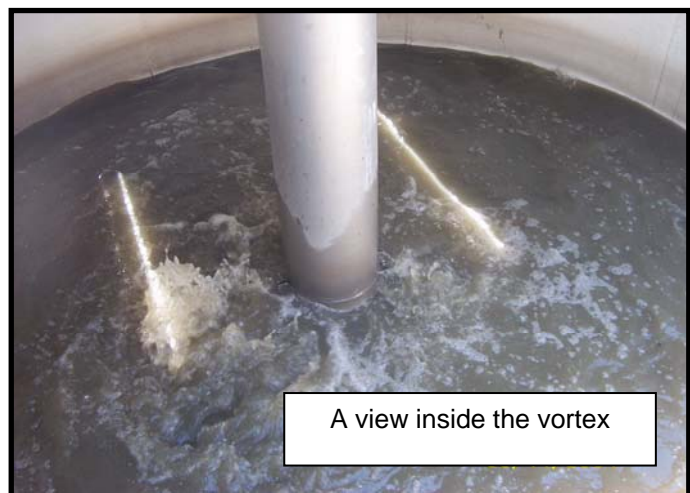
## The Grit System:

Grit Vortex System  
SPIRAC Model VG30  
Design Flow – 310 lps

- air lift grit removal with duty/standby blowers
- 3.0 m diameter vortex chamber
- tank available in steel instead of concrete



Grit and heavier particles settle to collection sump for removal by air lift pump, organics and lighter particles retained in suspension by impeller.



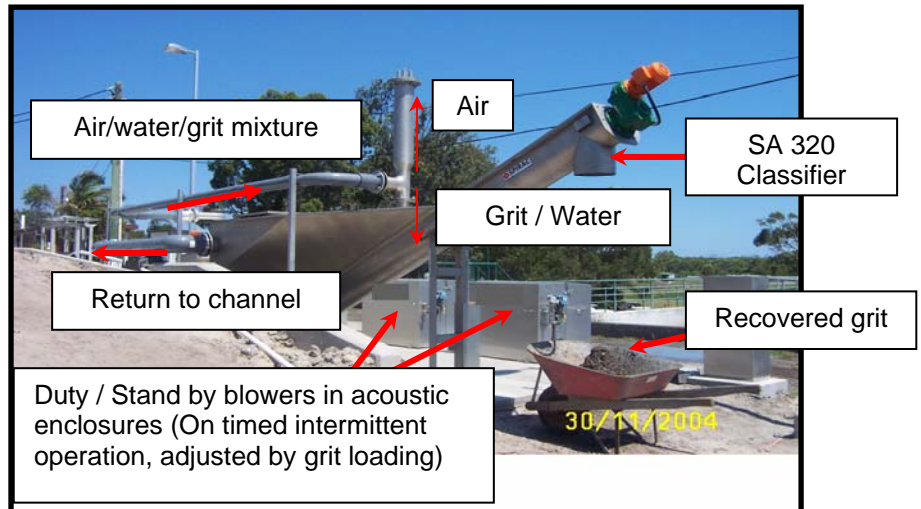
## Contact:

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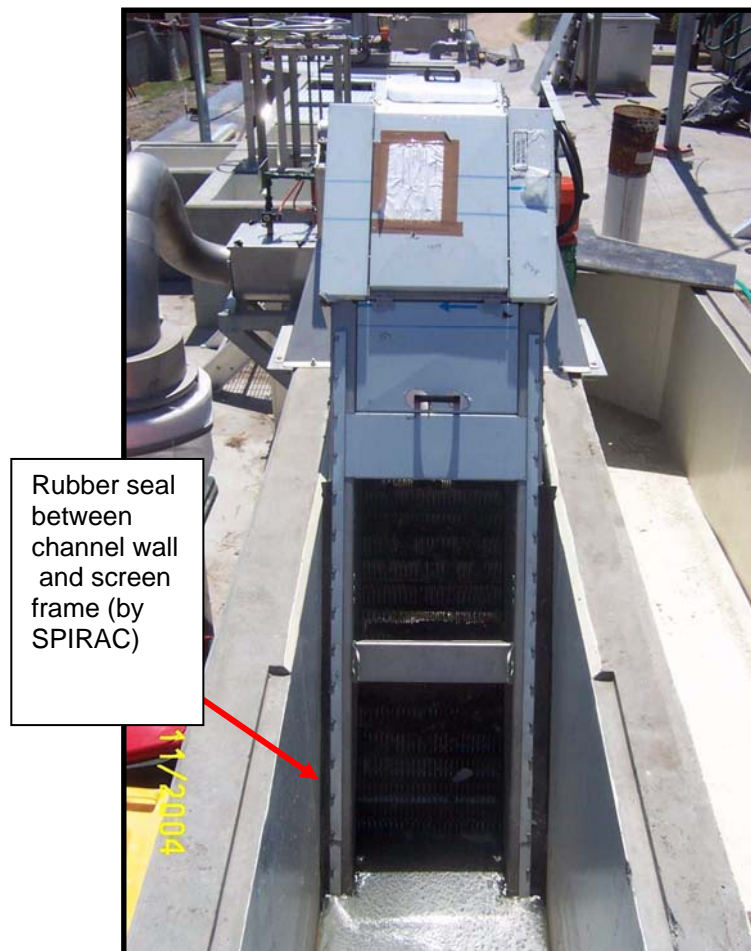
### The Grit System: Classifier SPIRAC Model SA320 c/w:

- shaftless spiral  
incline conveyor
- low (5) RPM

### The Screenings System:

#### SPIRAC Spiroguard ST Screen Model 1900-600-6

- 366 lps @ 150mm  
head loss
- pivots out of channel  
for servicing/cleaning
- stepped screenings  
removal by upstream  
level controller
- no chains or  
sprockets in water
- "hooked" step profile  
to ensure high  
capture efficiency
- few moving parts



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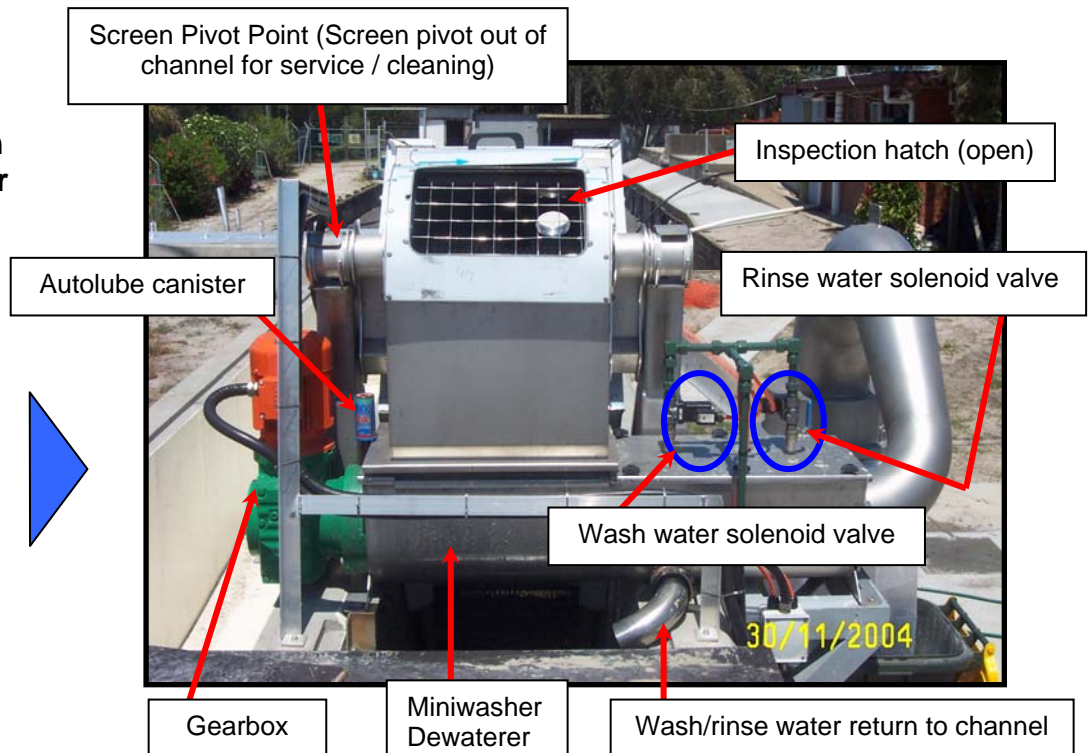
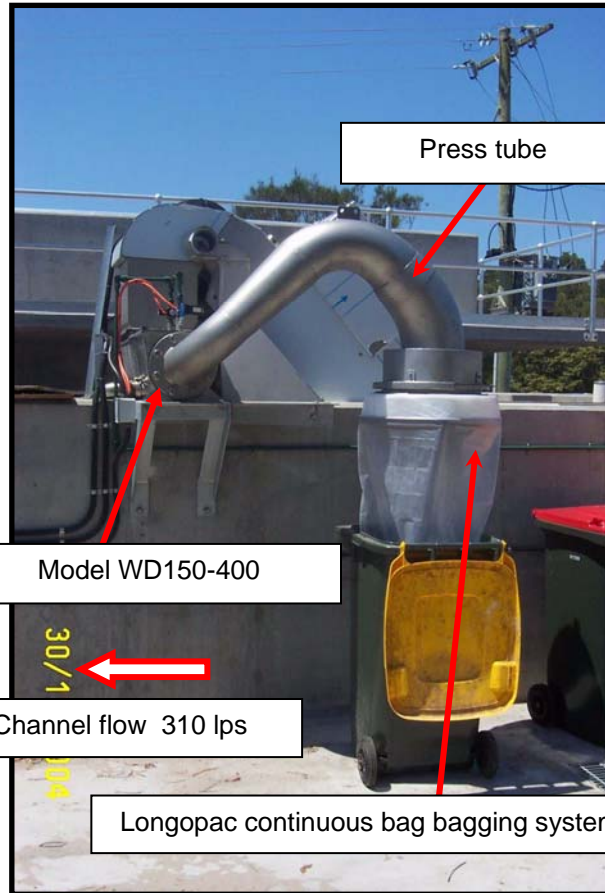
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## The Screenings System:

### SPIRAC Miniwasher Dewaterer:

- up to 0.5m<sup>3</sup>/hr solids
- washing and rinsing section
- very high torque compaction
- 40-45% DS output
- Longopac continuous bagging system provides secure odour control, easy, clean handling of screenings.
- Screen and Miniwasher operation (including wash water solenoids) on level control, operating



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