



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

## Case Study

No. CS-4076-AU-EGG

### **Application:**

Chicken hatchery – waste egg shell compaction and dewatering

### **The problem:**

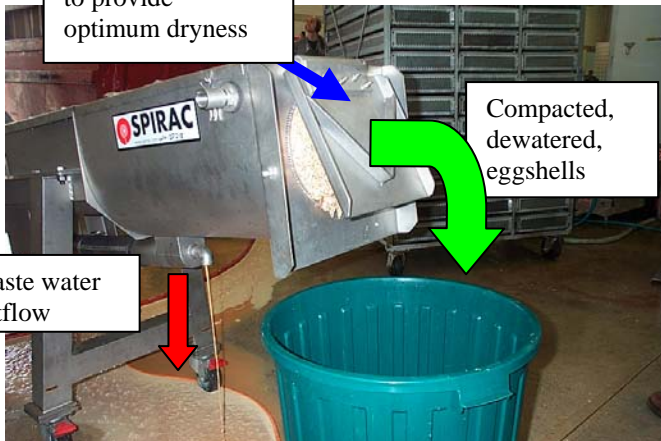
Waste egg shell plus unfertilised eggs (up to 20%) result in a waste slurry which must be treated prior to disposal, in this case, at a cost of \$2,100 per week.



Adjustable pressure press plate to provide optimum dryness

Compacted, dewatered, eggshells

Waste water outflow



### **The trial solution:**

A SPIRAC SP Dewatering press demo unit was trialled onsite. The trial unit met the customer's expectations and a permanent unit was purchased and installed.



### **The SPIRAC solution:**

A SPIRAC SP215 dewatering press is fitted with a permanent hopper inlet on a mobile frame. Dewatered and crushed egg shells are now taken free of charge from a fertiliser supplier.



### **The Benefits (after 1 year Operation)**

- Project payback of less than 6 months
- Cleaner process facilities
- Odour reduction
- Environmentally friendly solution
- Potentially saleable byproducts (protein and fertiliser)

### **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)