

# Pluck's Effluent Infrastructure

## ENVIRO SAUCER®

### Effluent storage ponds

“ENVIRO SAUCER” is a registered trademark of Plucks Engineering Ltd



- The original saucer-shaped effluent pond
- Design enables efficient stirring and complete draw-down
- Cost-effective and durable effluent storage option
- Professionally designed, compliant and built to last

**Efficient, durable and easy-care effluent storage system**

## **Pluck's Enviro Saucers are designed and constructed to the highest quality standards to give years of reliable service, and are backed by a Manufacturer's Warranty**

### **The Enviro Saucer design;**

The Enviro Saucer combines the natural properties of the conical saucer shape with robust construction to produce an efficient, durable and easy-care effluent storage system.

Effluent enters the pond tangentially and the saucer shape funnels the effluent, creating a natural circulation which mixes the effluent and draws the solids toward the pond center. This effect is significantly enhanced with stirring, enabling efficient and thorough blending of effluent solids which are drawn out by the pump.

The pond is effectively self-cleaning with minimal solids build-up, enabling the pond to be pumped out fully and maximizing storage capacity.

### **Pond construction;**

- Special heavy-duty concrete with steel and fiber reinforcing
- Tangential inlets and optimised conical shape for natural effluent circulation
- Quality float-finish for quick and easy wash-down
- Permeability rating fully satisfies Council regulations ( $<1.0 \times 10^{-9}$ m/s)
- Built to recognized industry standards (NZS3109)
- Engineers certification available

### **Benefits of the Pluck's system;**

- Cost-effective and durable effluent storage option
- Ideally suited for primary effluent storage and transfer applications
- Saucer shape enables efficient stirring and complete draw-down
- Prevents sludge and crust buildup and resulting loss of storage capacity
- Low maintenance and easy housekeeping
- Small farm footprint with low rain catchment
- Professionally designed, compliant and built to last
- Comprehensive range of sizes are available to suit your farm

**Customised ponds are also available for special applications**

Due to ongoing product development the information given in this brochure is subject to change without notice.

**Contact us for more information**

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