Zero-Liquid Discharge Olive Wastewater

Olive Storage Water
- Harvested Olives from the orchard

Neutral pH Curing Water
- 700 gpm (159 m³/hr)
- 900 mg/L TSS
- 12,000 mg/L TDS
- 450 mg/L O&G
- 8,000 mg/L COD

High pH Curing Water

Olive Processing Water
- UF PVDF 200 Membrane
- 20-1200 Sq Ft VSEP Modules
- 80 psi, 25°C

Olive Canning Water

Olive Oil Processing
- UF Permeate 672 gpm (152.6 m³/hr)
- 0 mg/L TSS
- 10,000 mg/L TDS
- 15 mg/L O&G
- 2,900 mg/L COD

VSEP 96%

Concentrate
- 28 gpm (6.4 m³/hr)
- 22,500 mg/L TSS
- 60,000 mg/L TDS
- 10,890 mg/L O&G
- 130,400 mg/L COD

Feed
- 700 gpm (159 m³/hr)
- 900 mg/L TSS
- 12,000 mg/L TDS
- 450 mg/L O&G
- 8,000 mg/L COD

Olive Oil Recovery
- Concentrate 80 gpm (18 m³/hr)
- 0 mg/L TSS
- 81,500 mg/L TDS
- 125 mg/L O&G
- 23,800 mg/L COD

Spiral RO
- RO Permeate 592 gpm (134.6 m³/hr)
- 0 mg/L TSS
- 250 mg/L TDS
- 0 mg/L O&G
- 50 mg/L COD

Concentrate 88%

Water Well
- 850,000 Gal/day

Storage Pond
- 150,000 Gal/day

Olive Oil
- 60,000 Gal/Yr
- 20,000 Tons/Yr Canned Olives

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