# The Sewage Recycling System (SRS™)

"Leading the Sewage Recycling Revolution"

Western Water Resources
Environmental and Water Resources Engineering

BioForm
Sewage Mining

Applied CleanTech

Presented by:

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Presented to:

Technical Oversight Panel (TOP), CRD Staff, Urban Systems & Corolla

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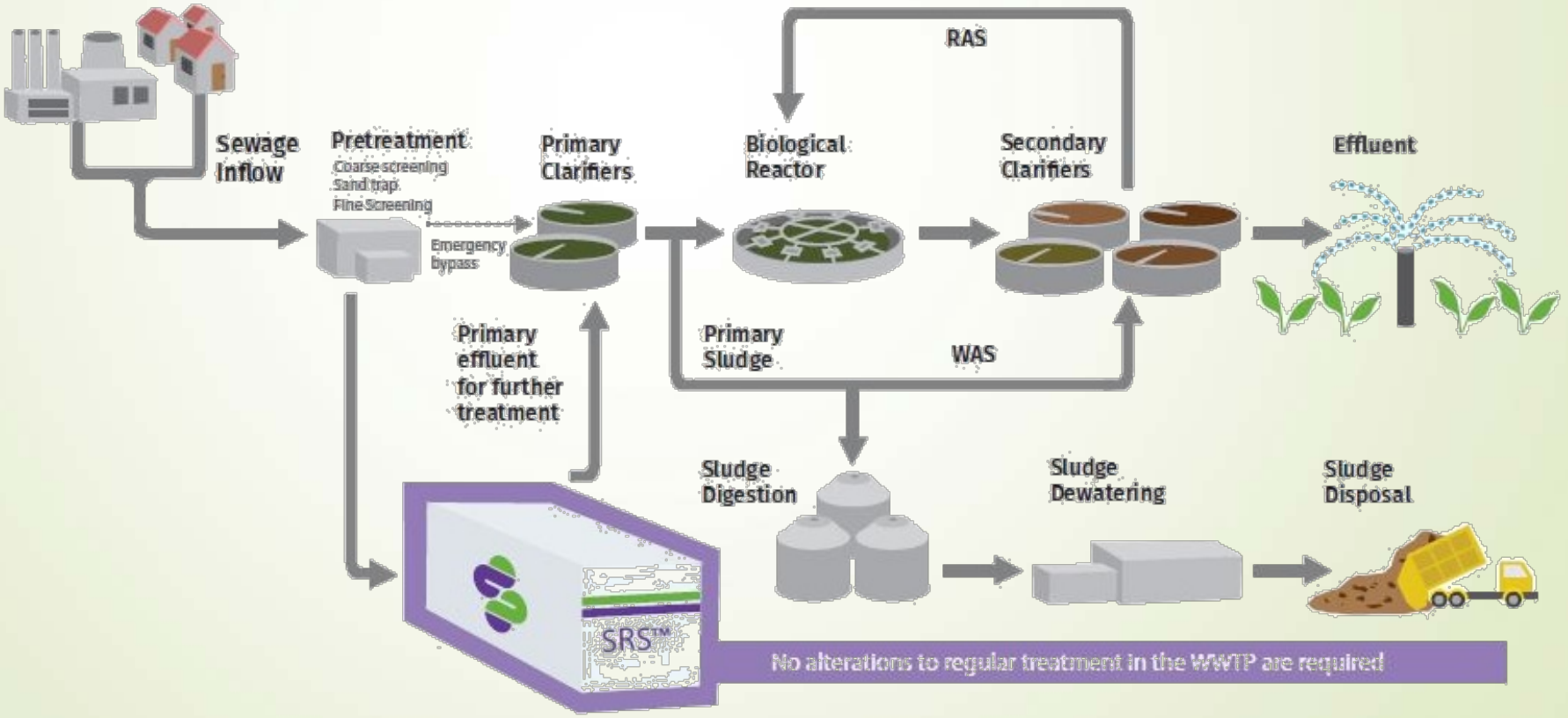
# WHAT IS THE SRS™

- The world's first fully automated "Sewage Miner"
- A globally-proven, patented modular Plug-&-Play Sewage Recycling Technology
- A municipal sewage recycling system for transforming human sewage in a valuable commodity
- A cost-effective replacement for Primary Clarifiers
- An environmentally-sustainable wastewater management Model

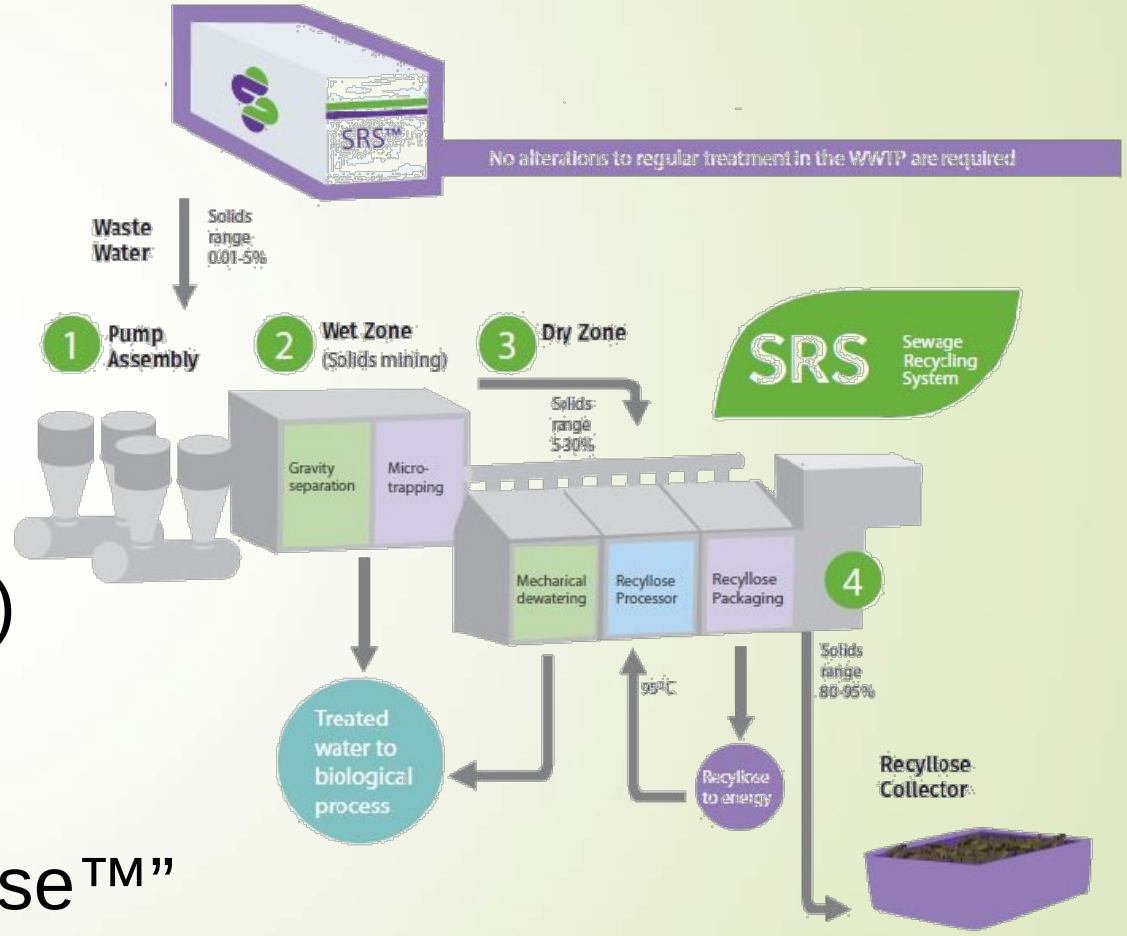
# HOW THE SRS™ WORKS

- Screen and Divert Wastewater Stream
  - Automatic continuous, uninterrupted processing



# HOW THE SRS™ WORKS

- Pump pretreated sewage
- Mine the Solids (“Wet Zone”)
- Remove the Water (“Dry Zone”)
- Pelletize and Package “Recyllose™”



# ADVANTAGES OF SRS™ VS PRIMARY CLARIFIERS

- Sludge treatment and disposal
- Comparative capital cost
- Reduced footprint
- Eliminating odour issues

# ECONOMIC & ENVIRONMENTAL BENEFITS OF USING THE SRS™

- Primary treatment provided at fraction of the cost
- Transforming Bio-solids into a valuable commodity
- Average 30% reduction in the Operational Costs of a WWTP
- Minimizes liquid sludge processing and management issues
- Membrane Protection