EarthRes
ENGINEERING AND SCIENCE

Leachate Treatment Introduction to Services

EarthRes Strengths

- Technical staff and management with diverse landfill and leachate treatment experience
- Centralized project team location
- Construction experience of design team means enhanced constructability, superior drawings and contract documents
- Outstanding process control capability and understanding of operational constraints

EarthRes Leachate Treatment Technology Services

Leachate Treatment Technology

Sequencing Batch Reactors

Leachate Treatment Technology

Membrane Bioreactor Projects (MBR)

Leachate Treatment Technology

Metals Removal Technologies

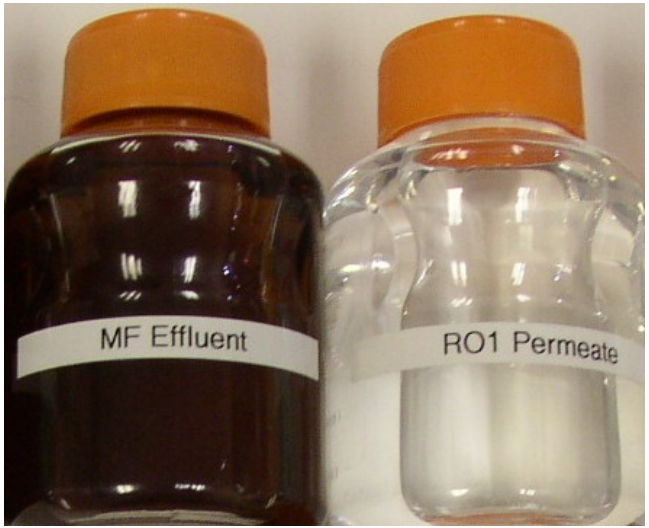
- Hydroxide Precipitation
- Reverse Osmosis
- Other

Key Targeted Metals

- Boron
- Arsenic
- Copper

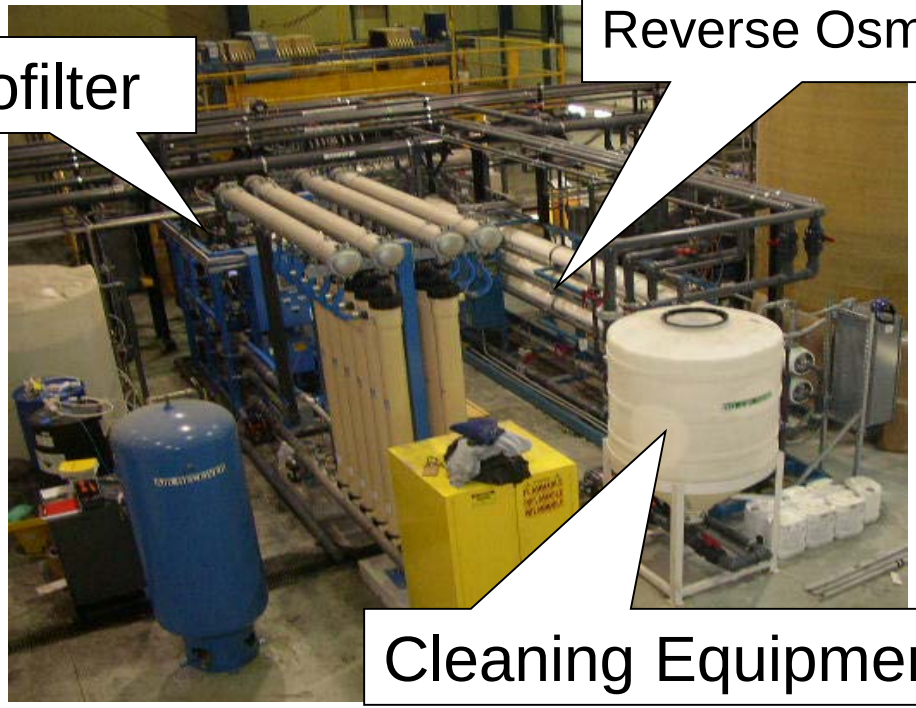
Leachate Treatment Technologies

Color Removal Technologies



- Carbon Adsorption
- Oxidation
- Reverse Osmosis
- Chemical Precipitation

Membrane Systems



Proven Results

Problematic Parameters Successfully Treated

- Ammonia-nitrogen
- Total Nitrogen
- Color
- Metals (Arsenic, Boron)
- Odor
- Total Dissolved Solids
- COD and BOD

EarthRes Wastewater Permitting

- Stream discharge
- Pretreatment and POTW discharge
- Effluent reuse
- Effluent recirculation
- RO Concentrate recirculation
- Leachate recirculation

Summing Up EarthRes Qualifications

- Specialized expertise in waste management field
- Demonstrated record of performance at multiple landfill sites
- Proven strong capabilities with leachate treatment plant design, permitting, construction and O&M
- Extensive experience with a variety of regulatory agencies
- Significant experience with a variety of treatment technologies

Contacts

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Thank You