

Wastewater Disposal System

Direct Evaporation Technology

Sustainable Solution for Disposal of O&G and Industrial Wastewaters

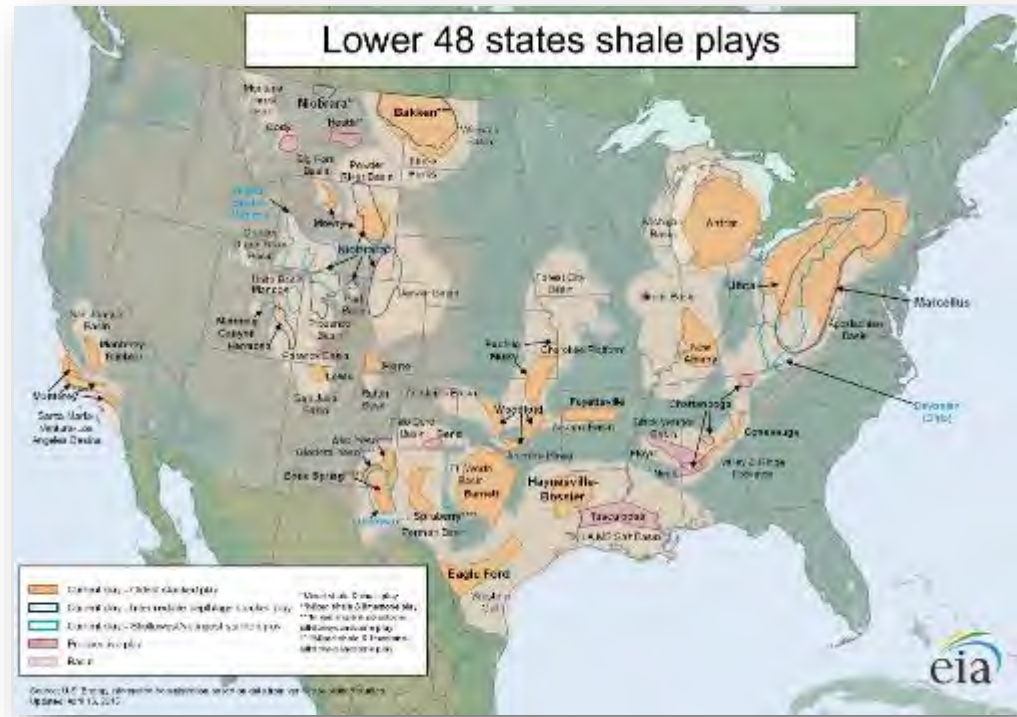


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About AguaRaider, LLC

- Founded in 2014, after several years of research & development
- Employee owned / operated
- Home office in Uvalde, TX, with field operations in Eagle Ford and Permian Basins
- Our core businesses include wastewater disposal for Oil & Gas, Mining, Chemical, Petrochemical and other Industrial Manufacturing



AguaRaider Technology Overview

- Direct Evaporative Technology
- As much as 90% Evaporation Efficiency –
2,160 bbl/day (63 GPM) evaporated, w/
2,400 bbl/day (70 GPM) feed
- Remaining Volume is Clean Concentrated
Brine (could be used for Kill Mud & Spud
Mud in O&G E&P Activities)
- Utilizes field gas to fuel system
(~0.4 mcf/bbl of water evaporated)
**(depending on BTU of gas, wastewater
quality & other factors)**
- Automated operations, w/ Remote
Monitoring Capable



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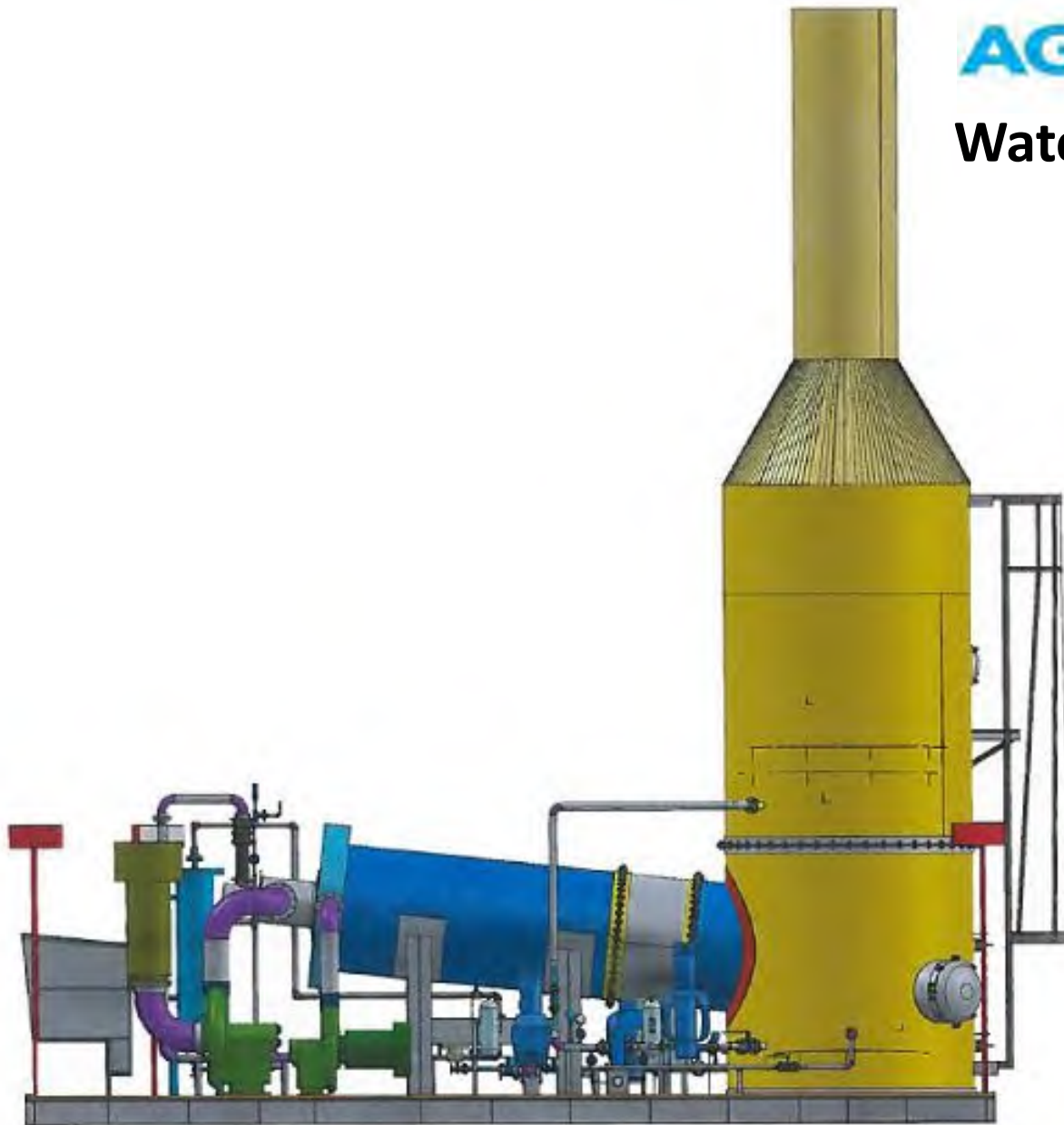
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Gas Entry Side View



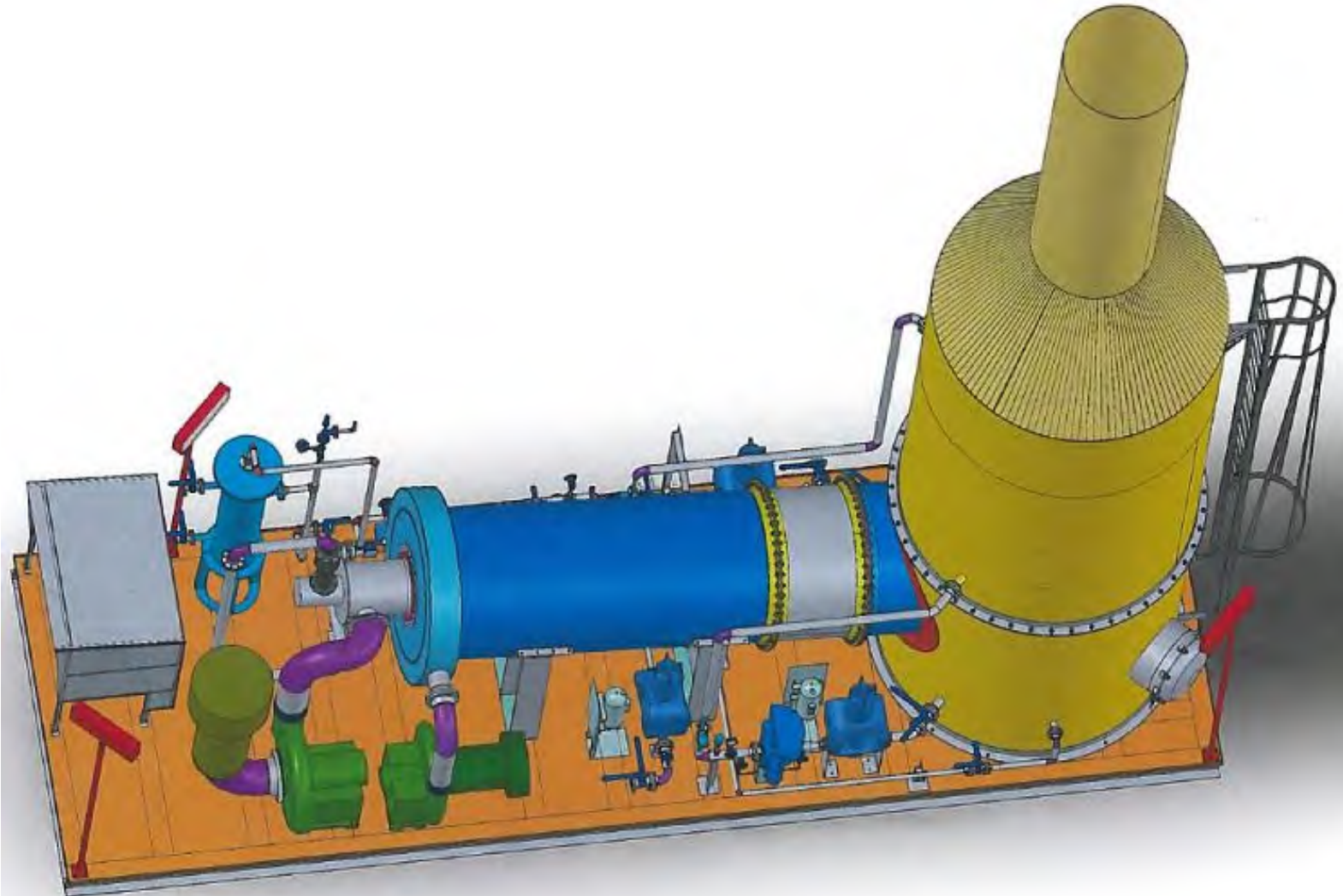
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Water Entry Side View



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Aerial View





AguaRaider System Advantages

- **Sustainable solution for disposal of O&G & industrial wastewaters**
- Reduces costs on trucking and associated damage to infrastructure
- Reduces volume of wastewater disposed in SWDs in O&G operations
- Expeditious installation and startup (a few hours)
- Can be a solution when Lease Development in advance of infrastructure
- Minimal Operator Attention Required w/ Automatic PLC Operations and Communication of Alerts



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AguaRaider System Requirements

- Space – 15 feet wide / 45 feet length / 45 feet height
- Power – 110 amps at 480v
- Feed (Influent) – As much as 2,400 BBL/Day (70 gpm) at least 30 psi feed pressure
- Steam Plume out stack evaporated - As much as 2,160 BBL/Day (63 gpm)
- Clean Concentrated Brine (Effluent) – As much as 240 BBL/Day (7 gpm)
- Field Gas - ~0.4 MCF/BBL of Wastewater **(depending on BTU of gas, wastewater quality & other factors)**
- Source wastewater should be oil/grease free and suspended solids free



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Next Steps ?



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