



Providing pure water for a cleaner tomorrow...

Power Plant Wastewater Treatment

Jeff Tate March 12, 2015

Agape Water Solutions, Inc.

- A Pennsylvania Corporation
- High purity water systems
 - Custom Engineering
 - Manufacturing
 - Service
 - Worldwide
- Business model predicated on providing the best combination of components to achieve the greatest value for our customers

PRODUCT OFFERING

- System Design
 - Solidworks 3D Mechanical
 - Autocad 2D Electrical
- Manufacturing
 - UL Approved Panel Shop
 - ASME BPE Welding
 - Orbital Welding
 - Manual Welding
 - GF & Asahi Certified Welding
 - IR Welding
- Service
 - Start up
 - Maintenance



Introduction to RO-EDI



RO Systems



- Typical RO System operate at 50 to 75% recovery
- 25 to 50% Waste Water
- Special Designs can reduce recovery to 90% or higher

EDI Systems



- Typical EDI Systems operate at 90 to 95% maximum recovery
- 5 to 10% Minimum Waste Water
- Special Designs can reduce recovery to 99%

EDI Concentrate Recovery

- RO Salt Reject typically 95-99%
- EDI concentrate 10-20x RO permeate TDS (10-100% Feed TDS)
- EDI can be recovered to RO inlet via vented raw water storage tank
- Effectively 100% EDI recovery

*Not including cleaning requirements

Conclusions

- AGAPE WATER SOLUTIONS INC. PROVIDES SPECIFIC TECHNICAL SOLUTIONS TO OUR CUSTOMERS.
- REVERSE OSMOSIS AND
 ELECTRODEIONIZATION ARE EFFECTIVE
 CHEMICAL FREE TECHNOLOGIES.
- SPECIAL DESIGNS CAN REDUCE WASTE WATER TO 10% OR LOWER

