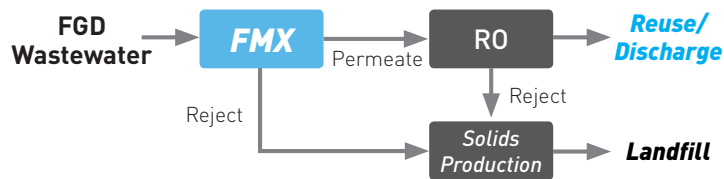


Flue Gas Desulfurization Wastewater

As power-producers' direct discharge permits are renewed, more facilities are struggling to meet tightening effluent quality limits on their FGD wastewater. Regulated compounds can include selenium, nitrates, arsenic and mercury, with other metals and salts poised to appear on permits in the future. Using nanofiltration membranes, the FMX system can pretreat FGD wastewater to remove all contaminant ions (total dissolved solids) simultaneously. This gives utilities the power to meet ELG/NPDES standards both now and in the future, or to opt for zero liquid discharge. With its unique anti-scaling, anti-fouling technology, FMX can be installed alone or work in tandem with RO systems and evaporator technologies. **Thinking about membrane treatment for FGD wastewater? Think FMX!**

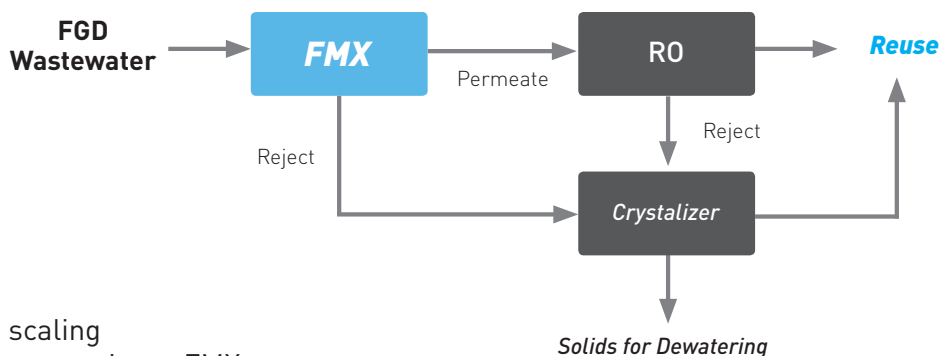
FGD Wastewater Treatment for Discharge (How to Meet ELG)



BENEFITS

- Prevent RO scaling
- No pretreatment prior to FMX necessary
- Meet ELG Discharge Requirements
- Meet Chloride requirement for recycle
- 25% volume reduction and 35- 55% TDS reduction into RO

FGD Wastewater Treatment for Zero Liquid Discharge (ZLD)



BENEFITS

- Prevent RO scaling
- No pretreatment prior to FMX necessary
- Meet Chloride requirement for recycle
- 25% volume reduction and 35- 55% TDS reduction into RO
- Intermediate evaporator no longer necessary
- 75% reduction in volume going into crystallizer
- Concentrate TDS by 2-3 times to boost crystallizer efficiency