



WaterSim™

Advanced modeling to power smart water applications.



Unmatched visibility in your water systems.

WaterSim™

Water systems are more complex than most realize—flows, chemistry, and operating conditions all impact performance, cost, and long-term reliability.

Apex WaterSim™ models real-world system behavior—helping you reduce risk, optimize design, and make better decisions before implementation.

TURN COMPLEXITY INTO CLARITY

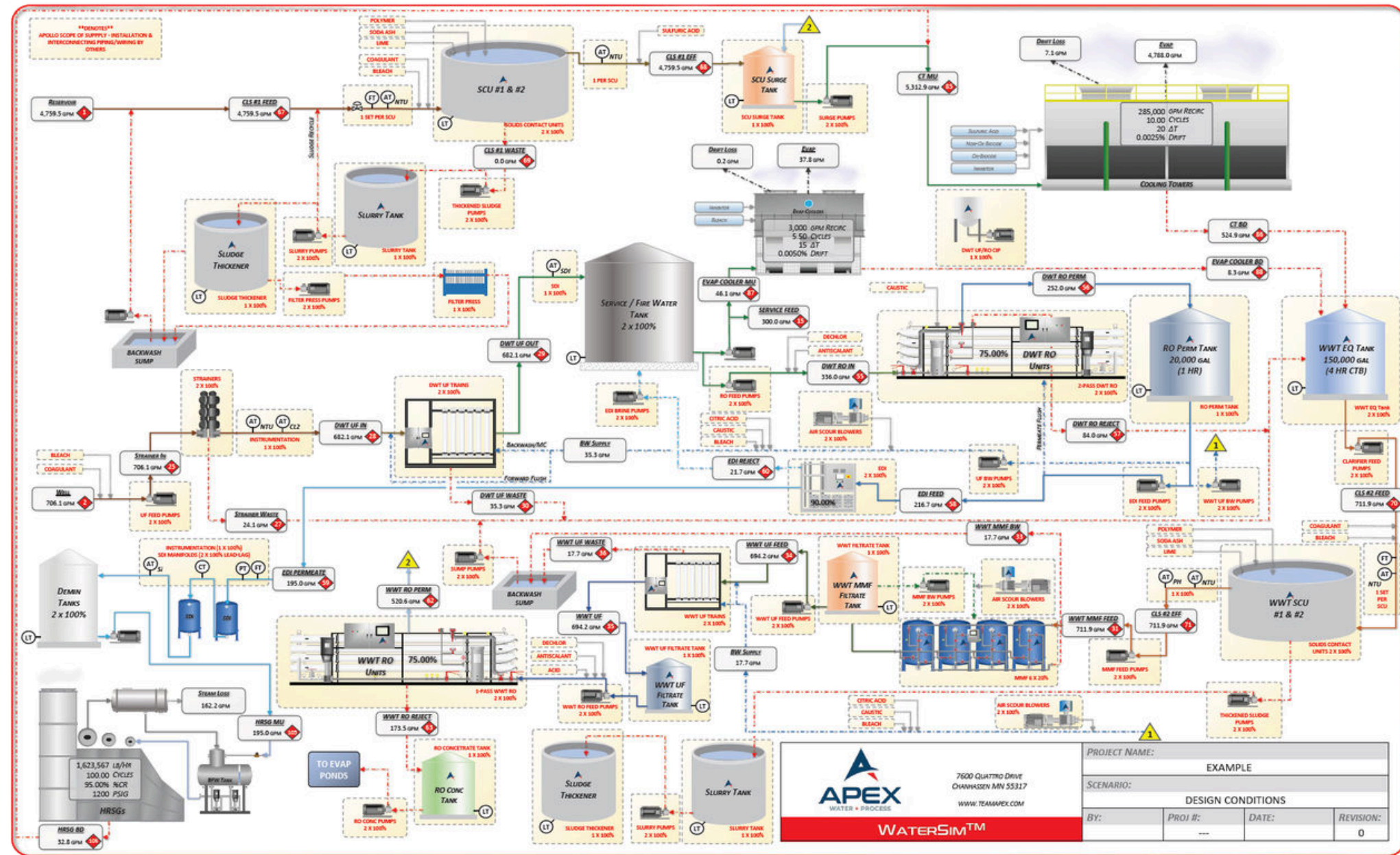
WaterSim™ helps you:

- Right-size systems and avoid costly overdesign
- Predict scale, corrosion, and fouling risks
- Evaluate discharge and compliance scenarios
- Reduce water, energy, and chemical usage
- Model cost across “what-if” scenarios

WHY APEX

Apex combines advanced modeling with real-world expertise and hand-on services—helping you turn data into actionable insights and optimized system performance.

PARAMETER	UNITS	1 Reservoir
Conductivity	µmhos/cm	932
LAB TDS	ppm	4759.5
Calculated TDS	ppm	606
pH	—	8.31
Temperature	°F	55.0
Temperature	°C	12.8
TSS	ppm	4.60
TOC	ppm	
BOD5	ppm	
P-Alkalinity	ppm as CaCO ₃	
M-Alkalinity	ppm as CaCO ₃	250
Bromide	ppm as Br	
Chloride	ppm as Cl	234.0
Fluoride	ppm as F	2.00
Nitrate	ppm as NO ₃	3.1
Nitrite	ppm as NO ₂	
Total Phosphate	ppm as PO ₄	3.2
Sulfate	ppm as SO ₄	46.8
Silica	ppm as SiO ₂	
Calcium Hardness	ppm as CaCO ₃	200.0
Magnesium Hardness	ppm as CaCO ₃	75.0
Aluminum	ppm as Al	0.100
Arsenic	ppm as As	0.002
Barium	ppm as Ba	0.059
Beryllium	ppm as Be	0.003
Boron	ppm as B	0.255
Cadium	ppm as Cd	0.003
Chromium	ppm as Cr	0.000
Cobalt	ppm as Co	0.024
Copper	ppm as Cu	0.013
Iron	ppm as Fe	0.147
Lead	ppm as Pb	0.001
Manganese	ppm as Mn	0.024
Mercury	ppm as Hg	0.002
Molybdenum	ppm as Mo	
Nickel	ppm as Ni	0.004
Potassium	ppm as K	
Selenium	ppm as Se	
Sodium	ppm as Na	
Strontium	ppm as Sr	
Thallium	ppm as Tl	0.001
Tin	ppm as Sn	
Titanium	ppm as Ti	
Vanadium	ppm as V	
Zinc	ppm as Zn	0.038





OPTIMIZE WITH CONFIDENCE

Apex delivers more than just WaterSim™—we provide real-world application expertise to interpret results and guide decisions.

From early design through operation, our team works alongside yours to ensure systems are not only designed correctly—but perform as intended.

Learn more



1 (844) 603-4077



Info@TeamApex.com



TeamApex.com

12270 43rd Street NE, St. Michael, MN 55376