City of Marietta WWTP

Design Flow 4.00 MGD

Peak Hourly Flow 11.5 MGD

Instantaneous Peak Flow 15.0 MGD

Modulated Influent Gate

Wet Well

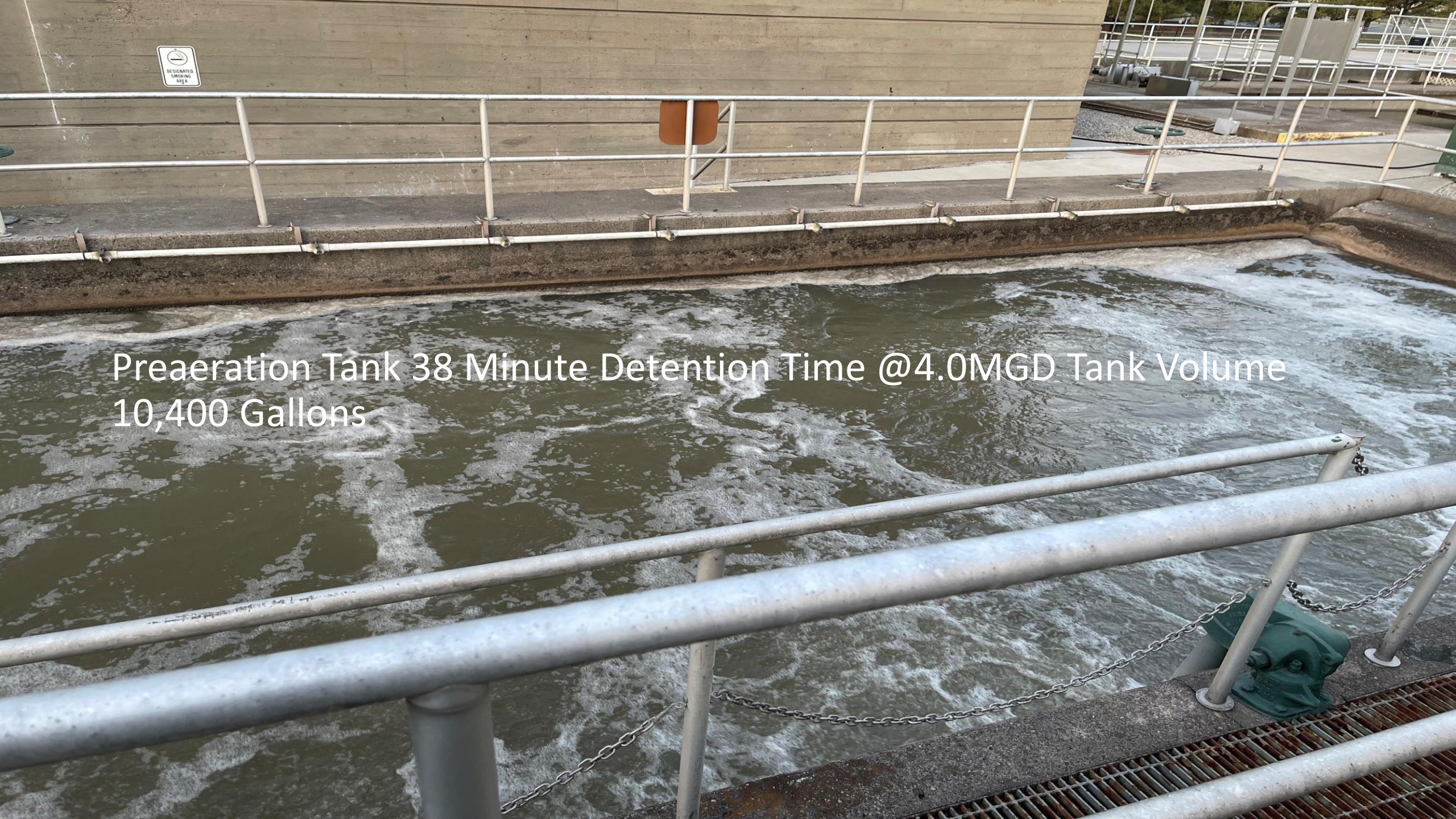
Pumphouse Gas Monitoring System

Raw Wastewater Pump Panels

Raw Wastewater Pumps
One Jockey Pump—2.0MGD
Four Duty Pumps---4.0MGD

Mechanical Perforated Plate Fine Screen ¼” Openings

Two Forced Vortex Grit Removal Systems
Wemco Hydrodegritter



Preaeration Tank 38 Minute Detention Time @4.0MGD Tank Volume 10,400 Gallons

Three Primary Clarifiers with a Capacity of 134,000 Gallons Each

Two Dontech Side Rotating Scum Screens

Primary Sludge Slip Tubes

Biological Anoxic Selector
One Tank Two Cells 60,000 Capacity

Aeration Splitter Box

Three Aeration Tanks Holding 513,000 Gallons Each
763 Diffusers Per Tank, Three Zones per Tank

Aeration Blowers Three Aerzen Turbo Blowers

Secondary Clarifier Splitter Box

Two 85’ Secondary Clarifiers Holding 669,000 Gallons Each

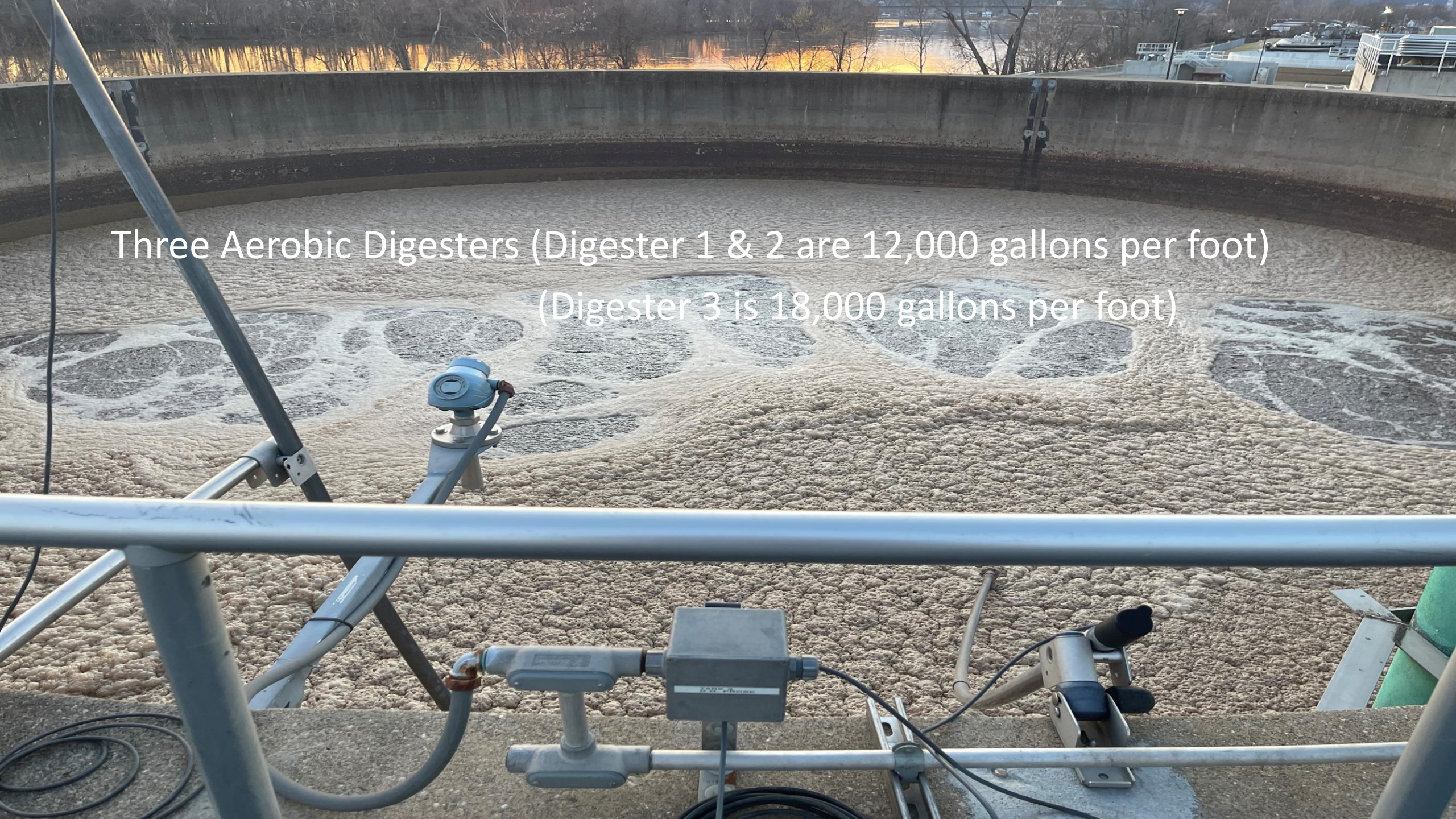
Hayward Gordon XCS Screw Centrifugal RAS Pumps (750-1500 gpm)

Enaqua UV Disinfection System

2’ Throat Parshall Flume

High River Pump Station Two KSB Pumps (4510 gpm each)

Equalization Basin Storage Volume 2,700,000 Gallons


Three Aerobic Digesters (Digester 1 & 2 are 12,000 gallons per foot)
(Digester 3 is 18,000 gallons per foot)

Digester Mixing Pumps Vaughan Rotamix

Digester Blowers Aerzen Positive Displacement Blowers

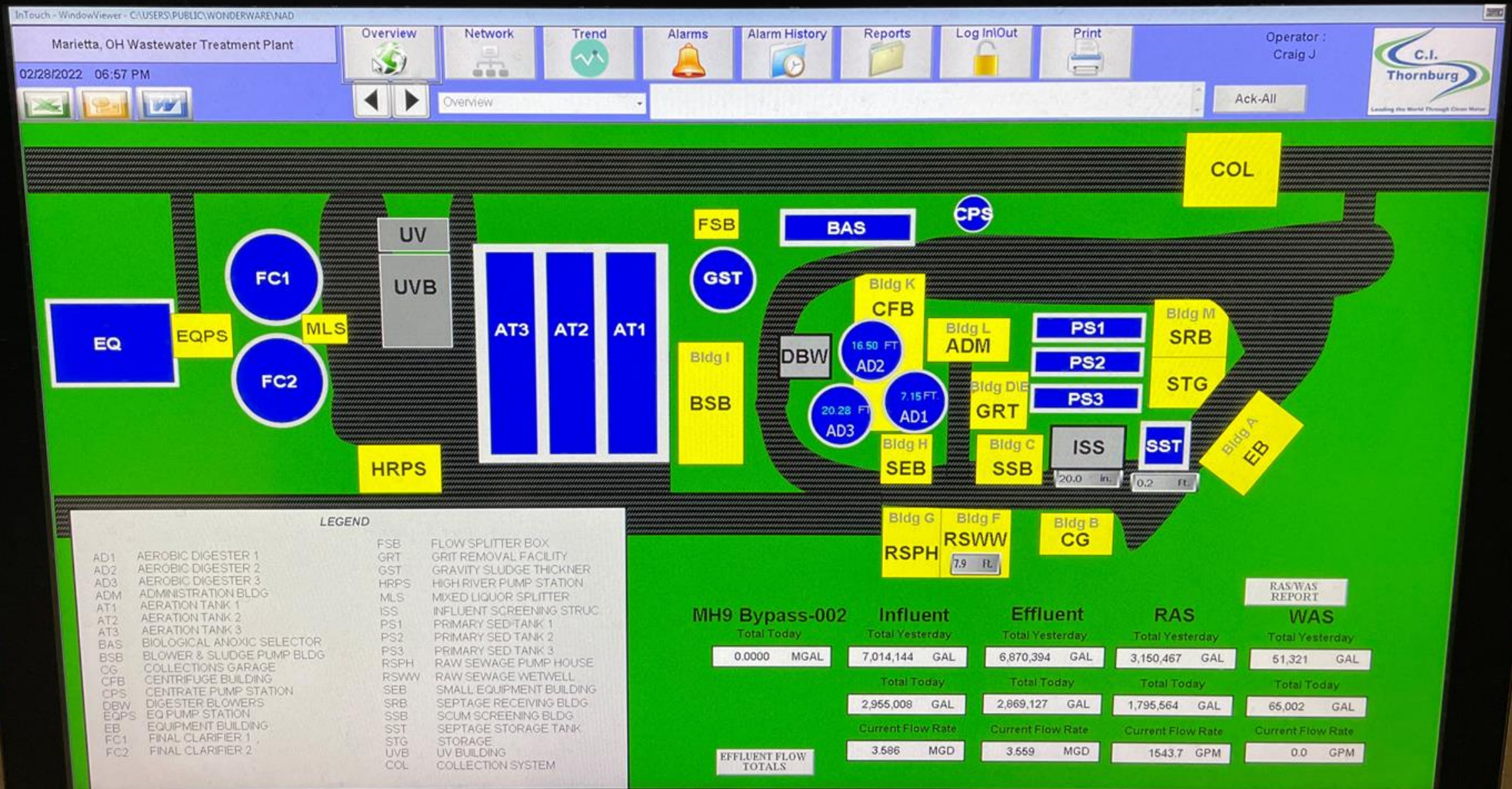
Flottweg
Separation Technology
C5E
QUIKRETE
Thickening Centrifuge
Dewatering Centrifuge

Centrate Station

Sludge Trailer

Raptor Septage Acceptance Plant

SCADA Screen



Beautiful Sunsets