



City of Marietta WWTP

Design Flow 4.00 MGD

Peak Hourly Flow 11.5 MGD

Instantaneous Peak Flow 15.0 MGD

WEST END



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 $\frac{1}{4}$ " 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

The image shows two manual slip tubes for primary sludge. Each unit consists of a vertical cast-iron shaft with a hand-cranked wheel at the top. The shafts are mounted on a metal grate floor. A thin metal rod connects the two wheels. The entire setup is housed in a small, enclosed space with light-colored cinder block walls and green-painted concrete pillars. A light fixture is mounted on the wall. In the background, a red utility vehicle is parked on a paved area.

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



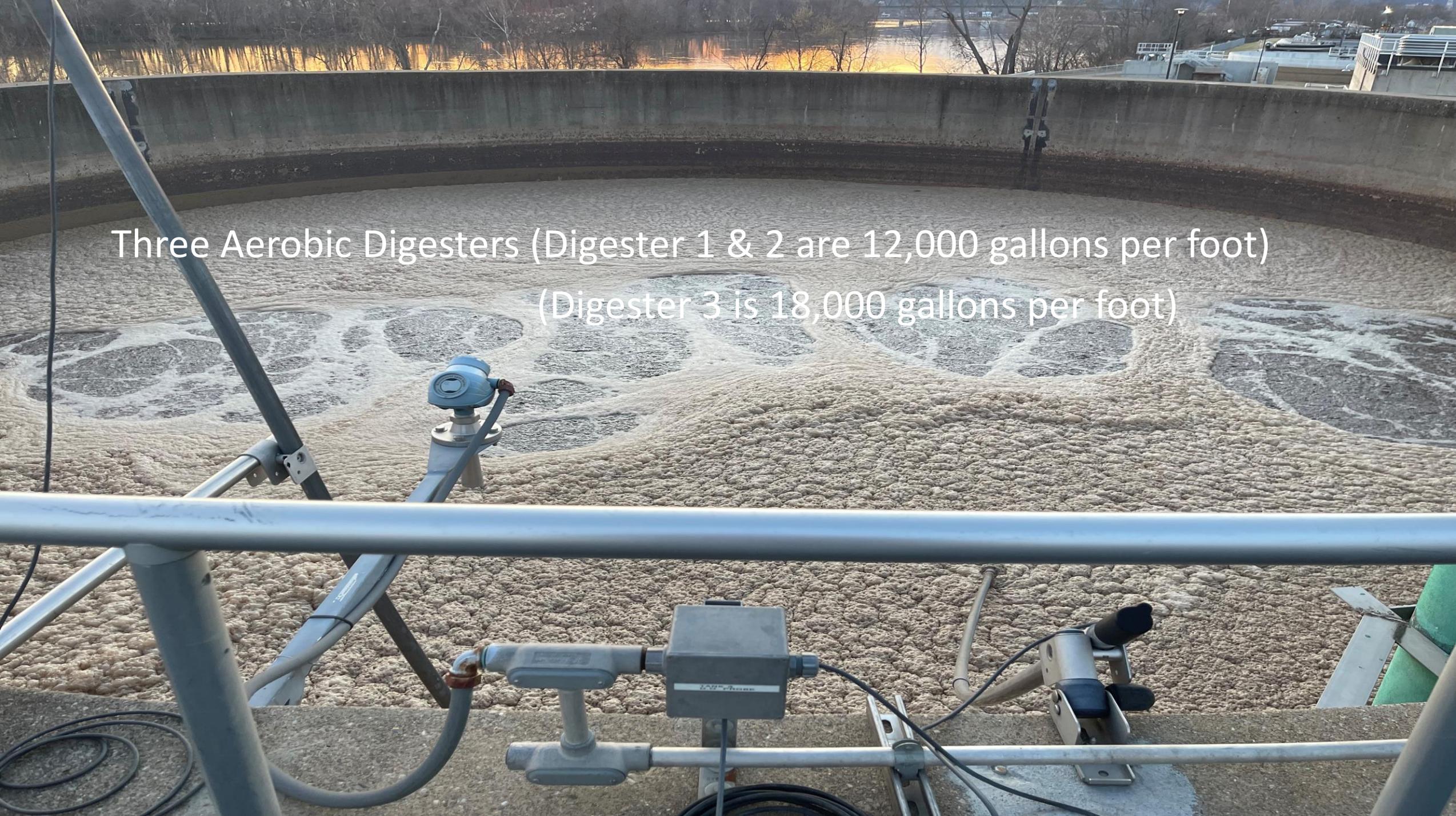
2' Throat Parshall Flume

A photograph of a pump station. In the foreground, a large, plain concrete wall runs across the frame. On top of this wall, there is a complex metal structure consisting of railings, pipes, and two large cylindrical pumps. The pumps are mounted on a platform. The background shows a line of bare trees under a blue sky with light clouds. The ground in the foreground is grassy.

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

QUIKRETE
CONCRETE

LABORATORY

Thickening Centrifuge
Dewatering Centrifuge



Centrate Station

Sludge Trailer

A MOUNTAIN TARP
300-248-7717





Raptor Septage Acceptance Plant

SCADA Screen

InTouch - WindowViewer - C:\USERS\PUBLIC\WONDERWARE\NAD

Marietta, OH Wastewater Treatment Plant

02/28/2022 06:57 PM

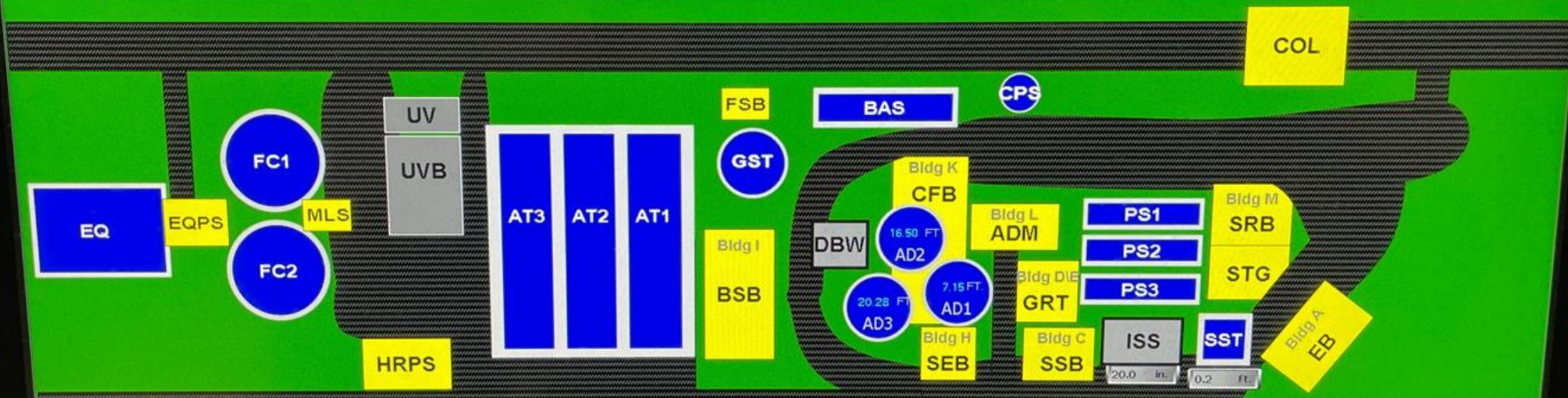
Operator : Craig J

Overview Network Trend Alarms Alarm History Reports Log In/Out Print

Overview

Ack-All

C.I. Thornburg
Leading the World Through Clean Water



LEGEND

AD1	AEROBIC DIGESTER 1	FSB	FLOW SPLITTER BOX
AD2	AEROBIC DIGESTER 2	GRT	GRIT REMOVAL FACILITY
AD3	AEROBIC DIGESTER 3	GST	GRAVITY SLUDGE THICKNER
ADM	ADMINISTRATION BLDG	HRPS	HIGH RIVER PUMP STATION
AT1	AERATION TANK 1	MLS	MIXED LIQUOR SPLITTER
AT2	AERATION TANK 2	ISS	INFLUENT SCREENING STRUC.
AT3	AERATION TANK 3	PS1	PRIMARY SED TANK 1
BAS	BIOLOGICAL ANOXIC SELECTOR	PS2	PRIMARY SED TANK 2
BSB	BLOWER & SLUDGE PUMP BLDG	PS3	PRIMARY SED TANK 3
CG	COLLECTIONS GARAGE	RSPH	RAW SEWAGE PUMP HOUSE
CFB	CENTRIFUGE BUILDING	RSWW	RAW SEWAGE WETWELL
CPS	CENTRATE PUMP STATION	SEB	SMALL EQUIPMENT BUILDING
DBW	DIGESTER BLOWERS	SRB	SEPTAGE RECEIVING BLDG
EQPS	EQ PUMP STATION	SSB	SCUM SCREENING BLDG
EB	EQUIPMENT BUILDING	SST	SEPTAGE STORAGE TANK
FC1	FINAL CLARIFIER 1	STG	STORAGE
FC2	FINAL CLARIFIER 2	UVB	UV BUILDING
		COL	COLLECTION SYSTEM

MH9 Bypass-002	Influent	Effluent	RAS	WAS
Total Today	Total Yesterday	Total Yesterday	Total Yesterday	Total Yesterday
0.0000 MGAL	7,014,144 GAL	6,870,394 GAL	3,150,467 GAL	51,321 GAL
	Total Today	Total Today	Total Today	Total Today
	2,955,008 GAL	2,869,127 GAL	1,795,564 GAL	65,002 GAL
	Current Flow Rate	Current Flow Rate	Current Flow Rate	Current Flow Rate
	3.586 MGD	3.569 MGD	1543.7 GPM	0.0 GPM

RAS/WAS REPORT

Beautiful Sunsets

