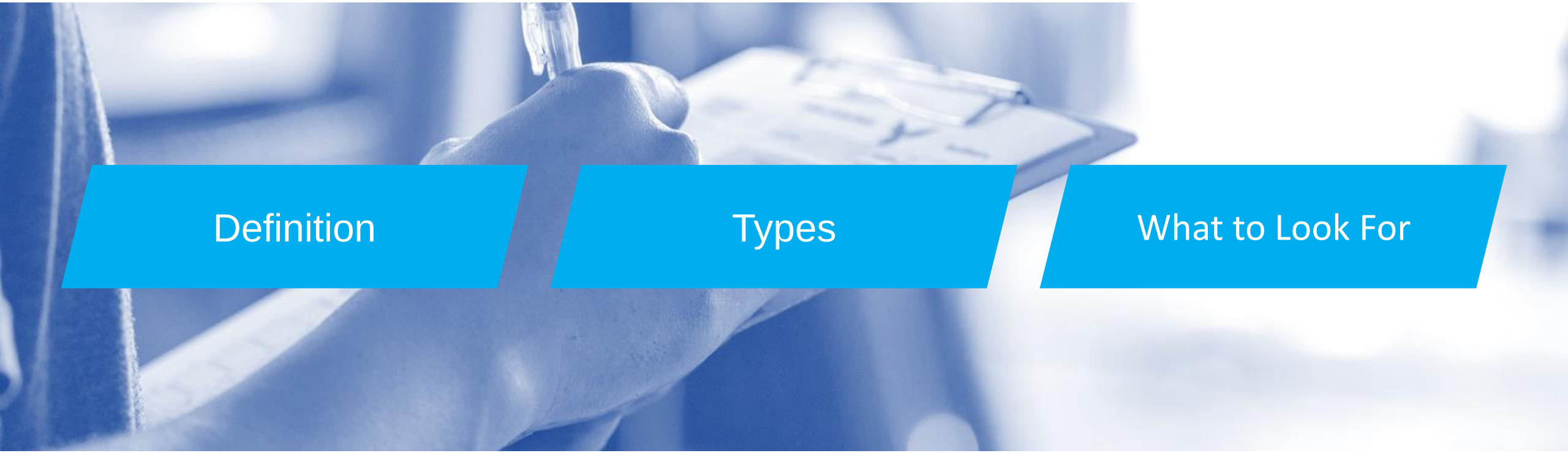
INSPECTION TIME: NOW WHAT?

Access your plant data quickly with Data Management solutions

PRESENTED BY

AIIMax Software

DATA MANAGEMENT SOFTWARE



Definition

Types

What to Look For

Data Management Software can be defined as an application that acts as a central repository for all your operational data, which provides for data collection, manipulation and storage, process control calculations, trending, analyses, industry and regulatory reporting.

TYPES OF DATA MANAGEMENT SOFTWARE

Paper

Spreadsheets

Databases

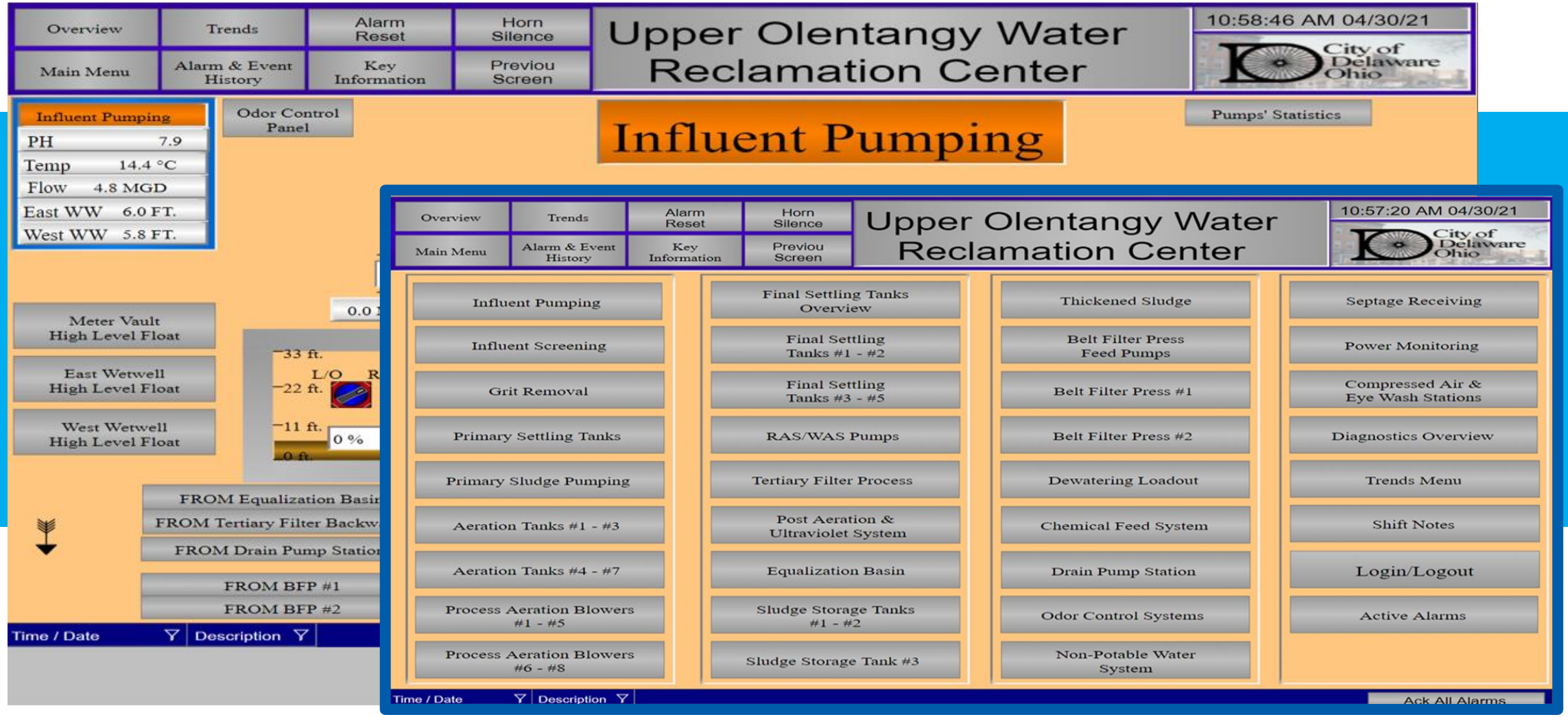
Commercial Off-the-Shelf Software

Agency-Provided/ Web-Based Solution

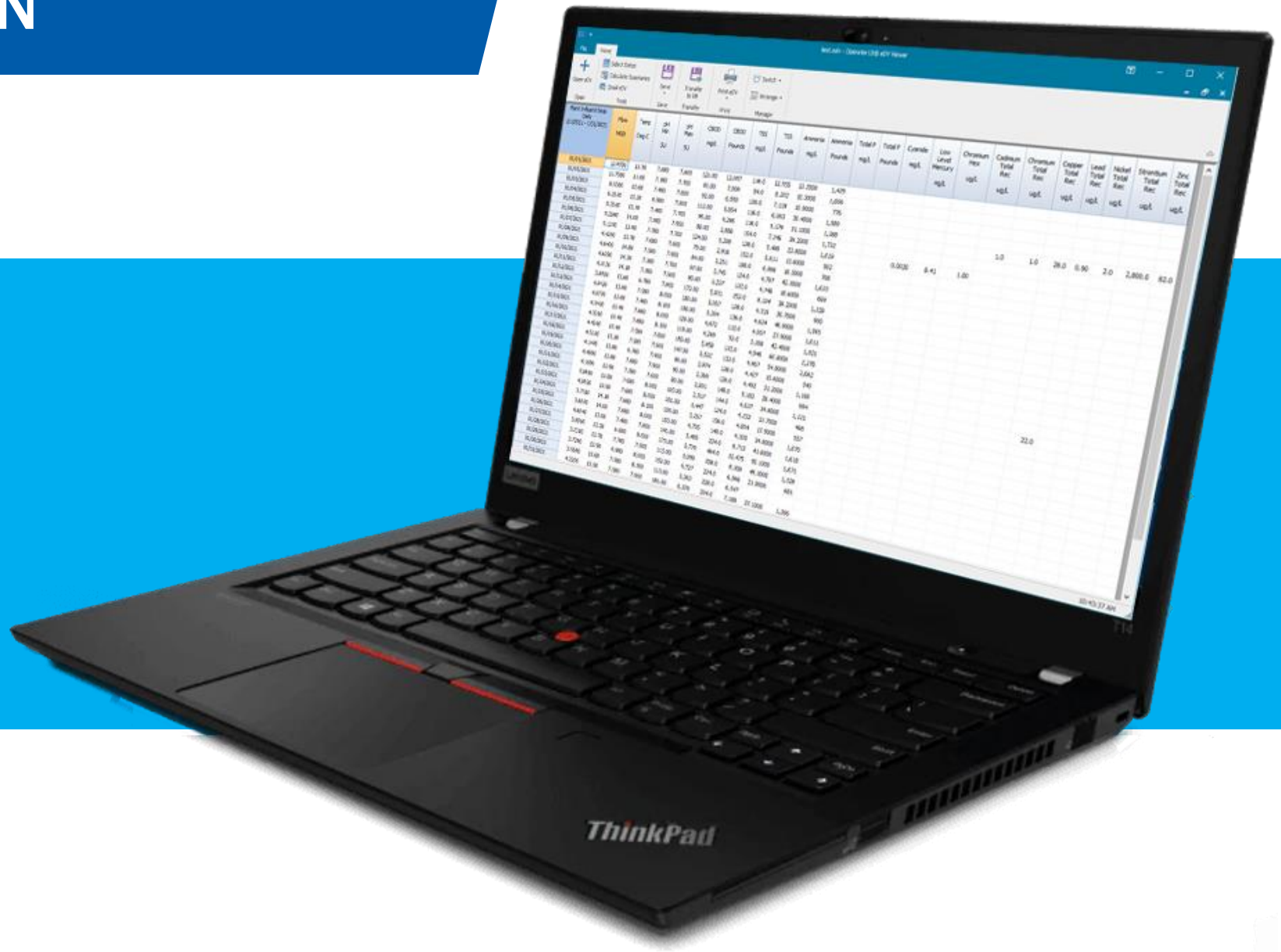
WHAT TO LOOK FOR IN DATA MANAGEMENT SOFTWARE:

ASSESSING YOUR NEEDS

DATA COLLECTION

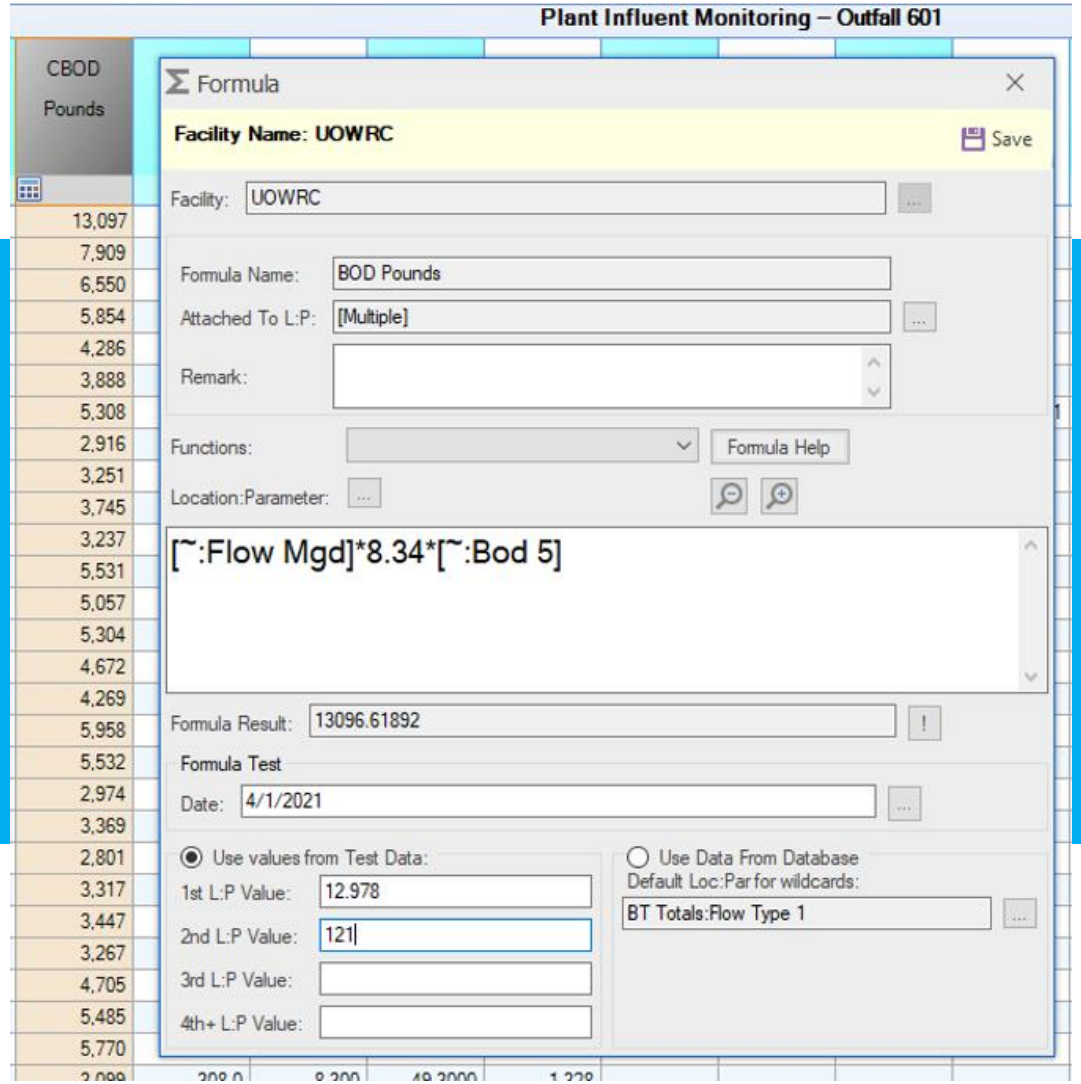


DATA COLLECTION



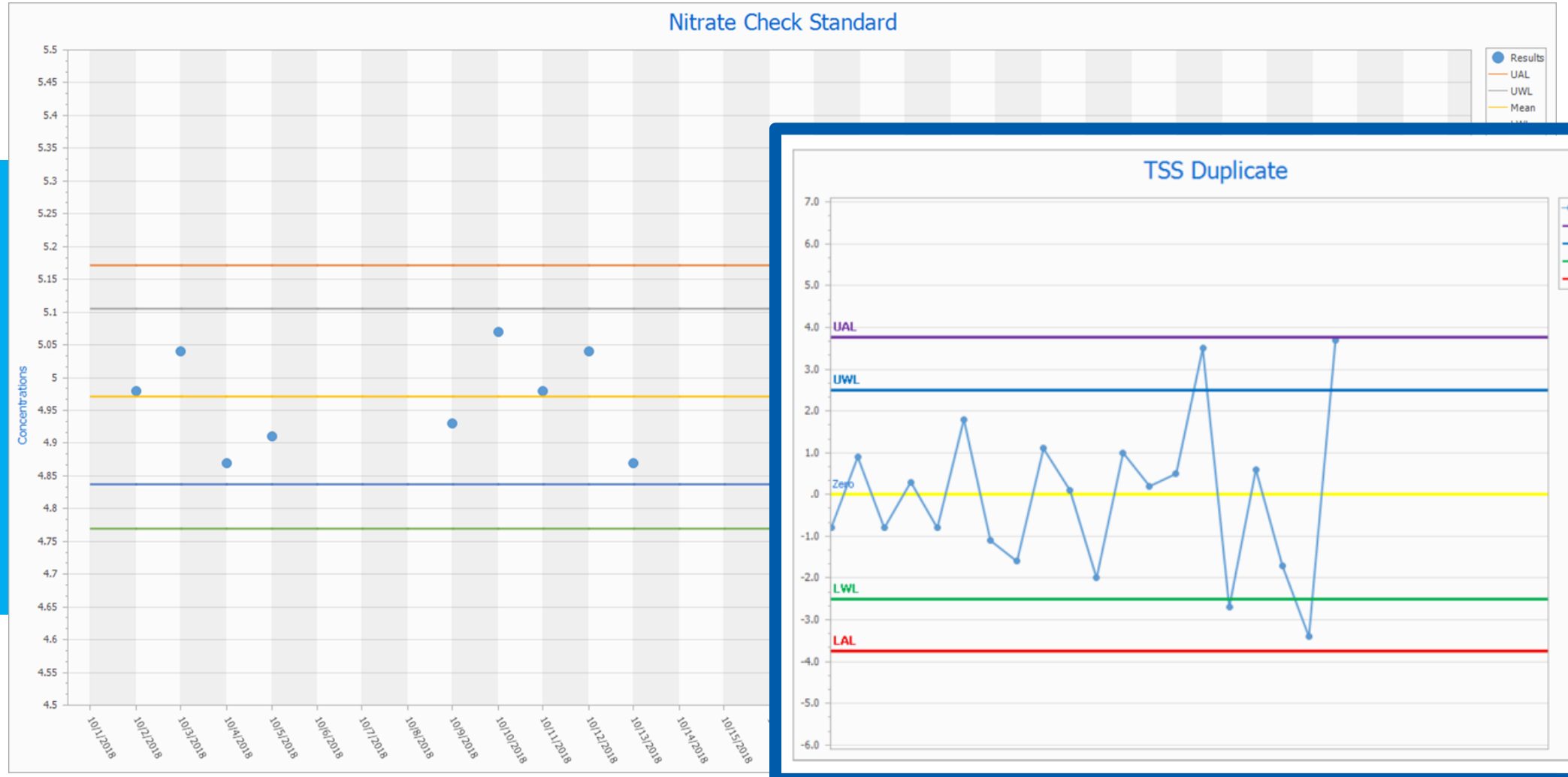
ASSESSING YOUR NEEDS

CALCULATED DATA



ASSESSING YOUR NEEDS

CHARTING


Nitrate Check Standard
Concentrations
Results
UAL
UWL
Mean
5.5
5.45
5.4
5.35
5.3
5.25
5.2
5.15
5.1
5.05
5
4.95
4.9
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4.8
4.75
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4.65
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10/1/2018
10/2/2018
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10/8/2018
10/9/2018
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10/11/2018
10/12/2018
10/13/2018
10/14/2018
10/15/2018
TSS Duplicate
TSS Diff
UAL
UWL
LWL
LAL
Zero
7.0
6.0
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3.0
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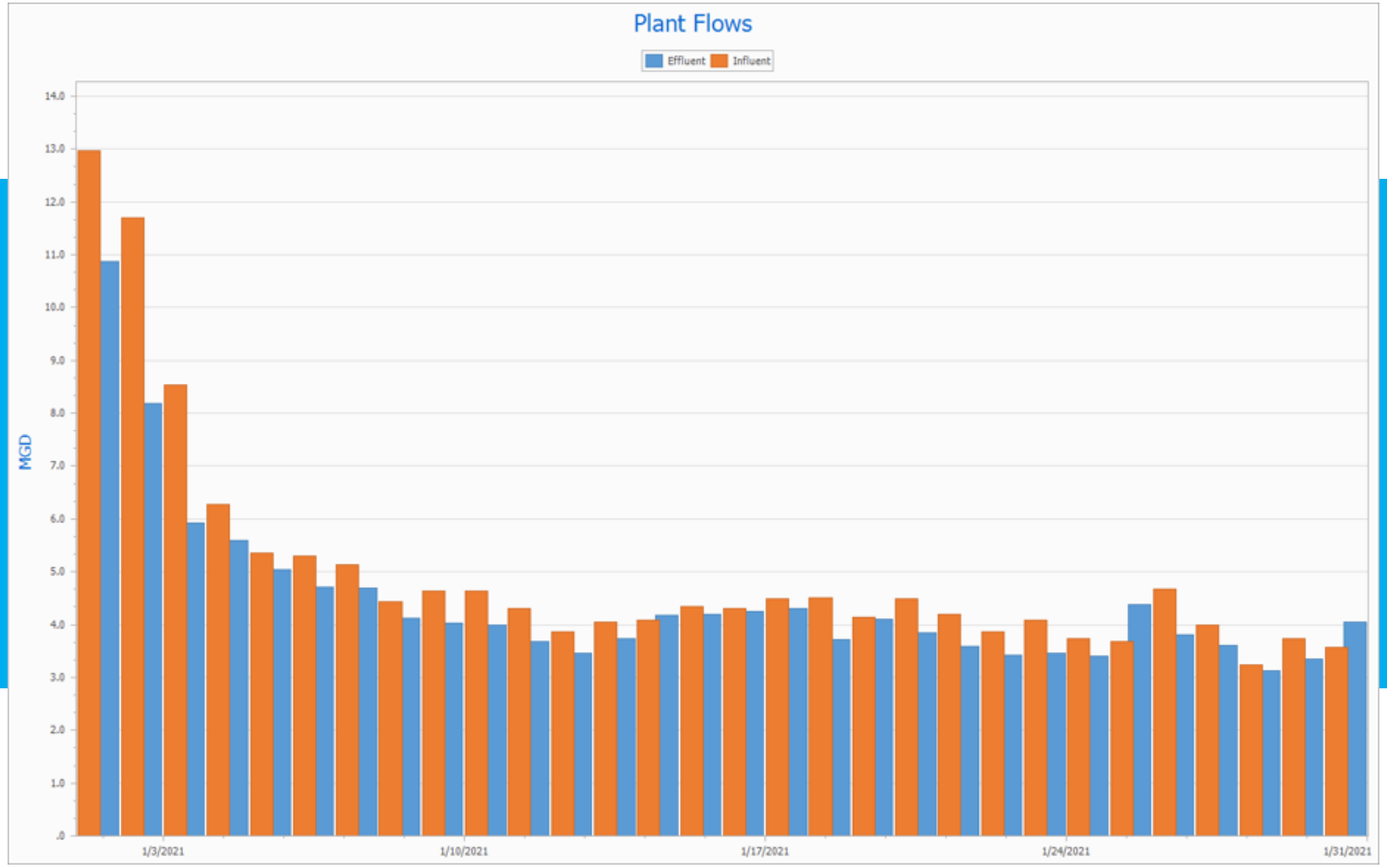
-3.0
-4.0
-5.0
-6.0

CHARTING


Plant Flows
Effluent
Influent
MGD
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13.0
12.0
11.0
10.0
9.0
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7.0
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.0
1/3/2021
1/10/2021
1/17/2021
1/24/2021
1/31/2021

ASSESSING YOUR NEEDS

REPORTING

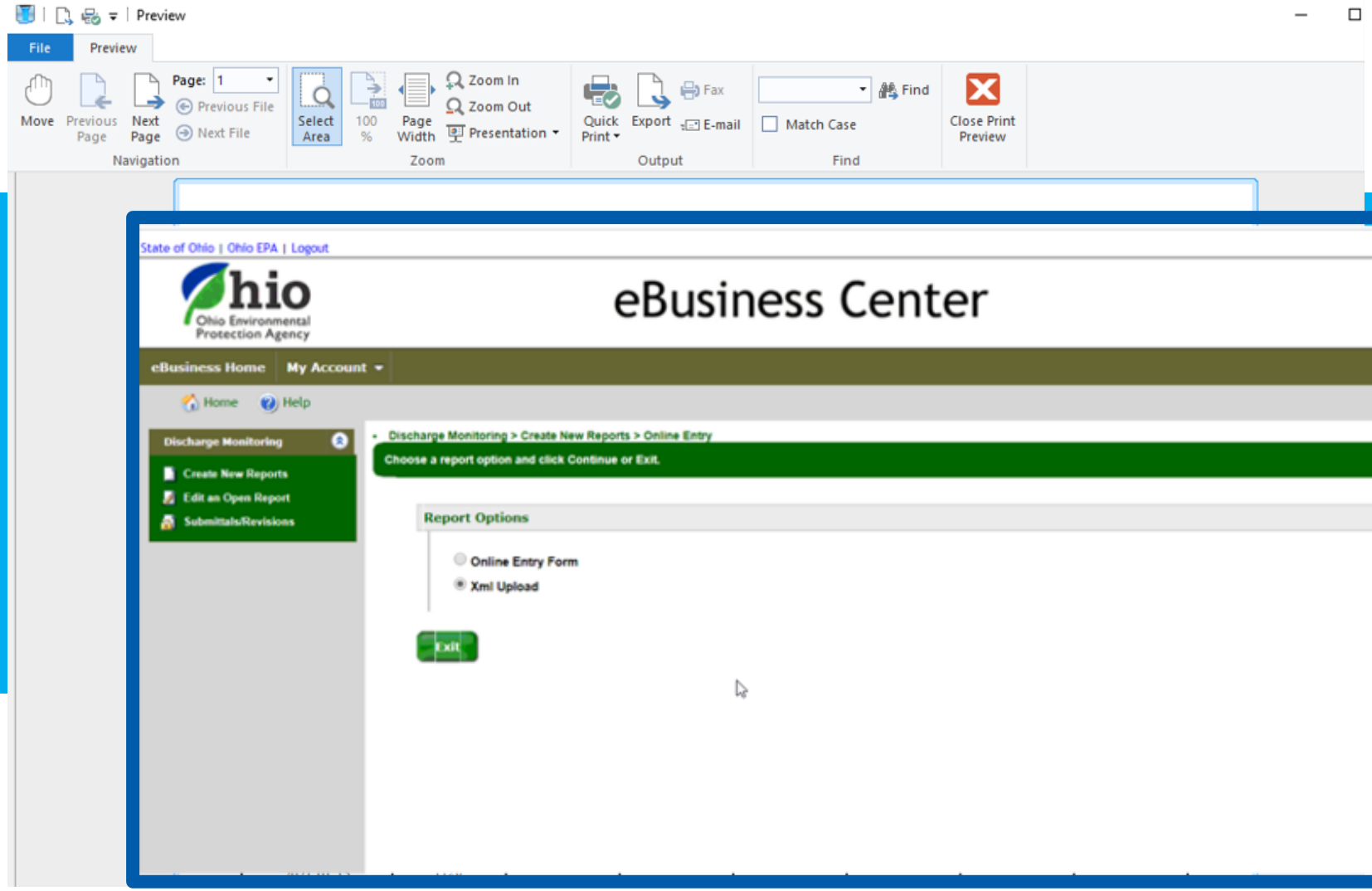
Permit Limit Report -- Winter
UOWRC

Page 1
January, 2021
Print Date: 4/30/2021

Limit Summary: (** designates values exceeding limit)
0 values exceeding limit.

Location/Parameter	Units	Limit	Actual
Dissolved Oxygen			
Minimum , 1/20/2021	MG/L	7.0	8.00
TSS			
Max Weekly Avg (1st of Month)	MG/L	37	6.6
Average	MG/L	25	6.3
Max Weekly Avg (1st of Month) Loading	kg/day	1401	219.6
Average Loading	kg/day	946	195.2
Oil & Grease			
Maximum	MG/L	10	
NH3-N Ammonia			
Max Weekly Avg (1st of Month)	MG/L	4.25	2.462
Average	MG/L	2.83	1.125
Max Weekly Avg (1st of Month) Loading	kg/day	161	80.2
Average Loading	kg/day	108	28.9
Nitrogen Total Inorganic			
Max Weekly Avg (1st of Month) , Beginning: 1/20/2021	MG/L	12.2	8.30
Average	MG/L	8.1	7.66
Max Weekly Avg (1st of Month) Loading	kg/day	460	133.79
Average Loading	kg/day	307	131.43
Phosphorus Total			
Max Weekly Avg (1st of Month)	MG/L	1.5	1.05
Average	MG/L	1.0	0.87
Max Weekly Avg (1st of Month) Loading	kg/day	57	16.71
Average Loading	kg/day	38	13.98
Copper Total Recoverable			
Maximum	UG/L	29	
Average	UG/L	18	
Maximum Loading	kg/day	1.1	
Average Loading	kg/day	0.68	
pH			
Maximum	SU	9.0	7.80
Minimum , 1/1/2021	SU	6.5	7.20
CBOD			
Max Weekly Avg (1st of Month)	MG/L	27	4.68
Average	MG/L	18	2.57
Max Weekly Avg (1st of Month) Loading	kg/day	1022	146
Average Loading	kg/day	681	55

REPORTING


Preview
File
Preview
Move
Previous Page
Next Page
Page: 1
Previous File
Next File
Navigation
Select Area
100 %
Page Width
Zoom In
Zoom Out
Presentation
Zoom
Quick Print
Export
Fax
E-mail
Output
Find
Match Case
Find
Close Print Preview
State of Ohio | Ohio EPA | Logout
Ohio Environmental Protection Agency
eBusiness Center
eBusiness Home
My Account
Home
Help
Discharge Monitoring
Create New Reports
Edit an Open Report
Submittals/Revisions
Discharge Monitoring > Create New Reports > Online Entry
Choose a report option and click Continue or Exit.
Report Options
Online Entry Form
Xml Upload
Exit
Continue

IS IT WORTH IT?

Time

Need

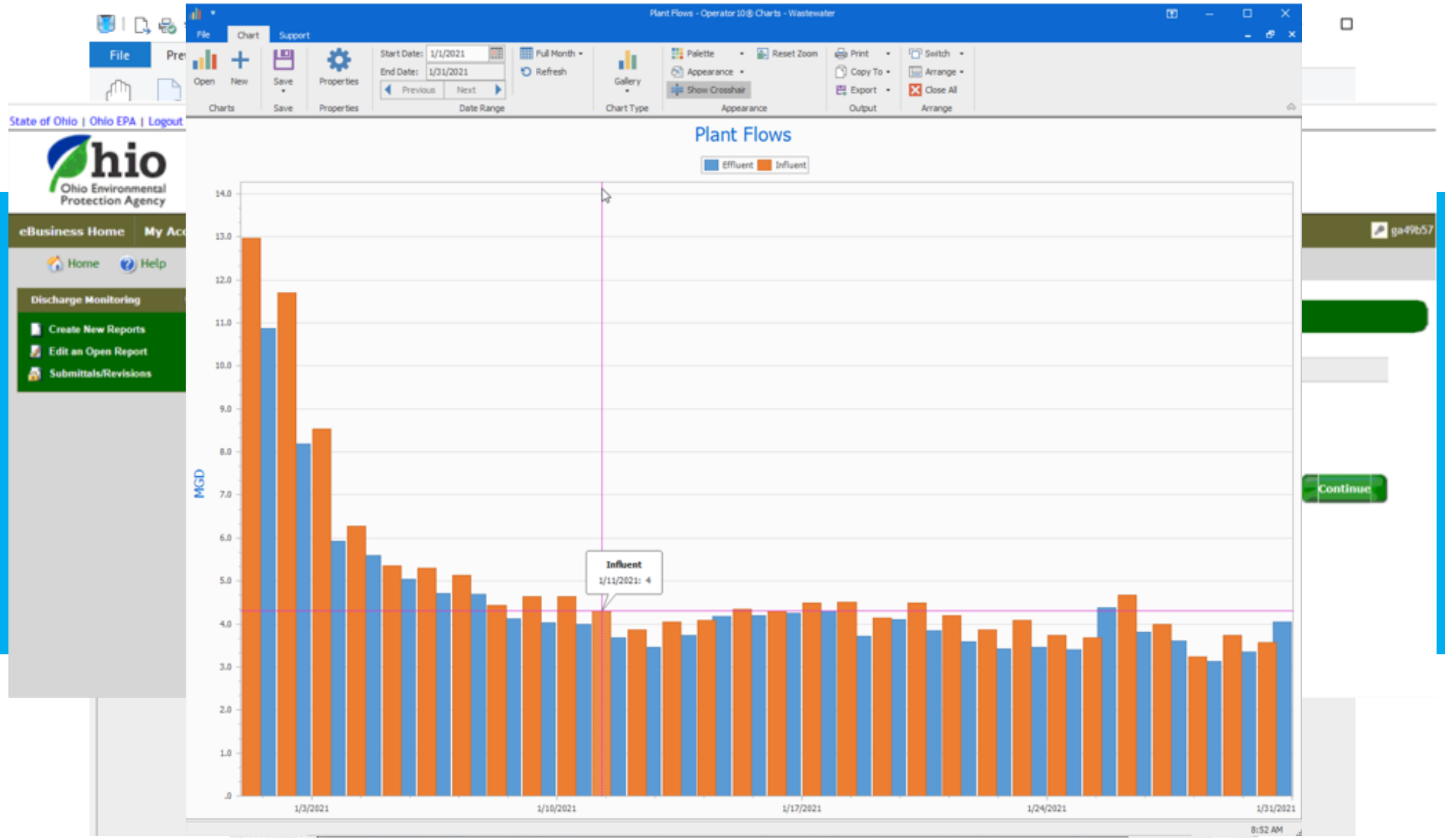
Expectations

Cost

A Full-Service Company

- Focus on the water/wastewater industry
- Company longevity
- Program setups
- Onsite & virtual installation and training
- Personalized, one-on-one technical support

DATA MANAGEMENT SOFTWARE



Where to find it?

There are several off-the-shelf products on the market today. How do you find the one that is right for you? My suggestion is to ask your fellow operators. See what programs they use and how they like it. Another option is to do an internet search for software companies that have developed this type of software. Finally, go to trade shows or conferences, in person or virtually, and talk to the developers themselves.

In summary, whether your plant inspection is in person or virtual, it is important to have your plant records in line. So, look at your needs and record keeping requirements and make sure what you're using is going to be easy to use and maintain. And remember, the faster you get the information to the inspector, the faster you can enjoy the rest of that sunny Tuesday afternoon.

THANK YOU!

City of Delaware, Ohio

Bryan Livingston

BJ Yoder

800-670-1867

bj@allmaxsoftware.com

ALLMAX SOFTWARE, INC

800-670-1867

www.allmaxsoftware.com

Antero maintenance

Operator10 wastewater

Operator10 water

Synexus pretreatment