

AQUAPULSE SYSTEMS

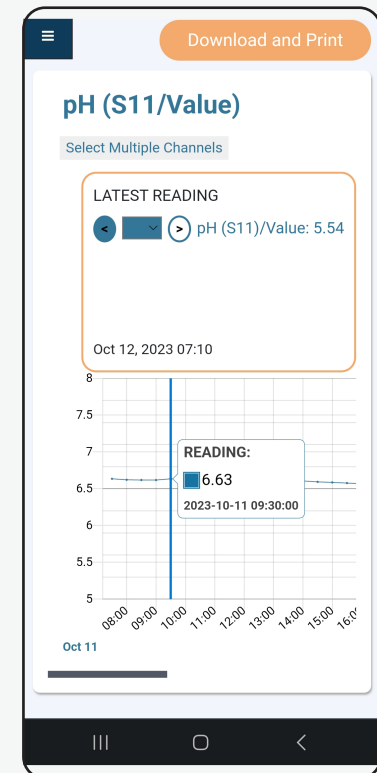
Powered by *ePulse*[®]

Quick Start Guide

Learn how to configure your ePulse[®] account so you can begin viewing historical device data, alarm status and acknowledgements and connect to your device on-demand, from anywhere in the world.

Features of ePulse

- Configurable dashboard with direct access to alarms and status of key customers and facilities
- Graphic visualization of up to 90 days of data - Easily compare multiple channels
- Export your graphs to PDF to include in reports, or raw data in CSV files to create more detailed graphs in Excel
- Advanced alarm notification, escalation and acknowledgement
- Mobile Device Friendly
- Guided wizard for inviting both internal and customer accounts, setting up new controllers/processes

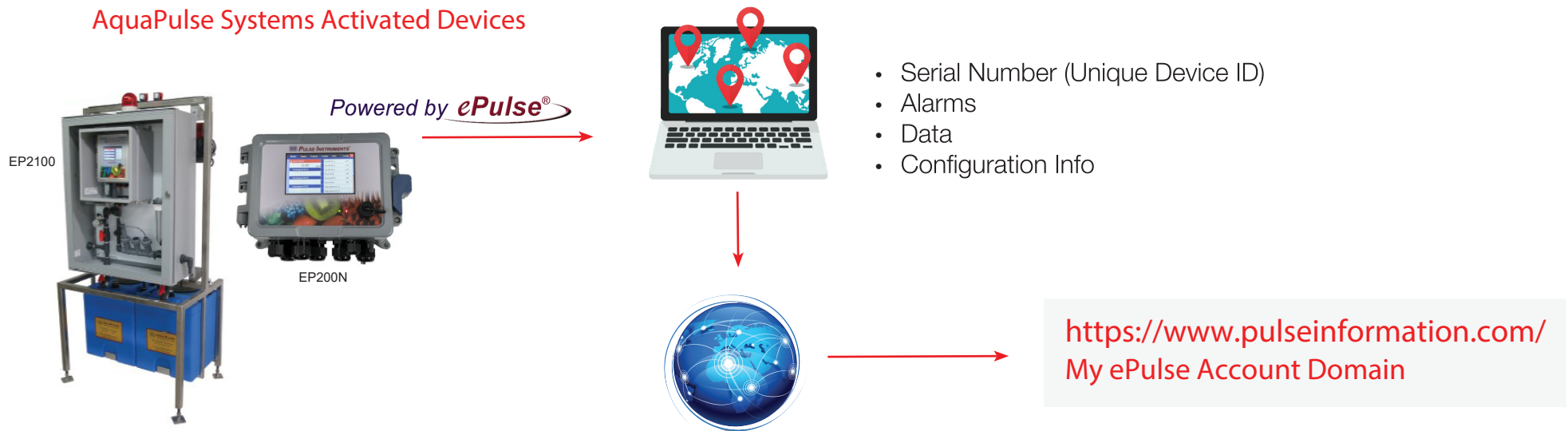


Mobile Device

Basic AquaPulse System's ePulse communication

ePulse® activated devices send information via the Internet to the ePulse® server at regular intervals or whenever an alarm occurs.

ePulse® activated devices that you have purchased will be associated to your ePulse® account domain using the device's unique serial number.



Configuring ePulse to view data, alarms and connect to your devices:

Log into the AquaPulse Systems ePulse website: <https://www.pulseinformation.com/>
Type the username (your email address) and password created during the registration of the ePulse corporate account.

Your Dashboard

The Dashboard view default is for Alarms, with Alarms at your “Starred” or Key Customers at the top of the page. Alarms with a dark red header have yet to be acknowledged. Alarms with a lighter header have been acknowledged, but have not yet cleared.

Other view options include:

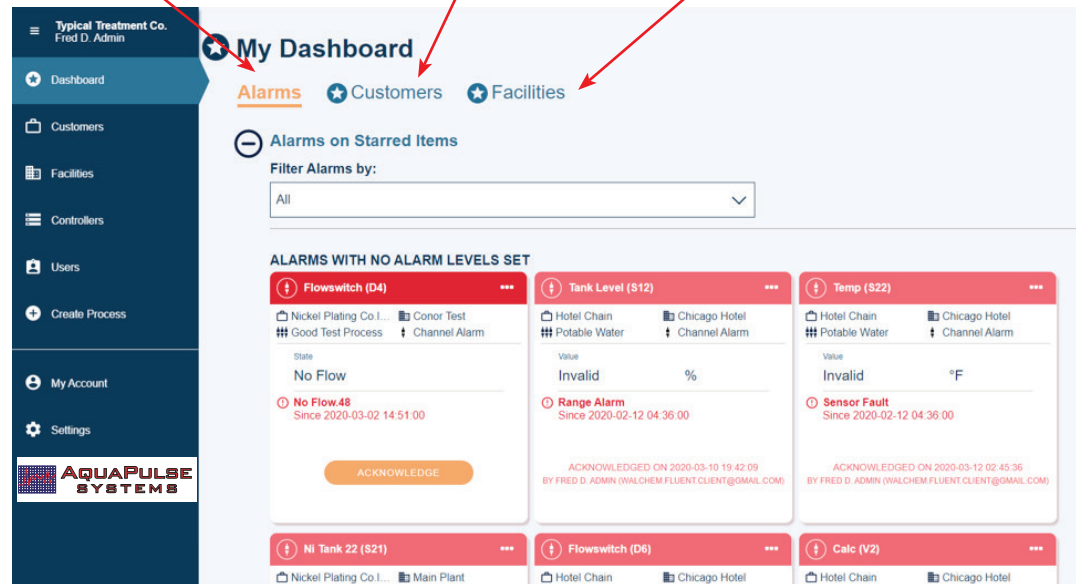
React to Alarms –
Click on the Alarm to go directly to the related historical data

“Starred” Customers –
A quick view of all Key Accounts

“Starred” Facilities –
A quick view of all Key Facilities

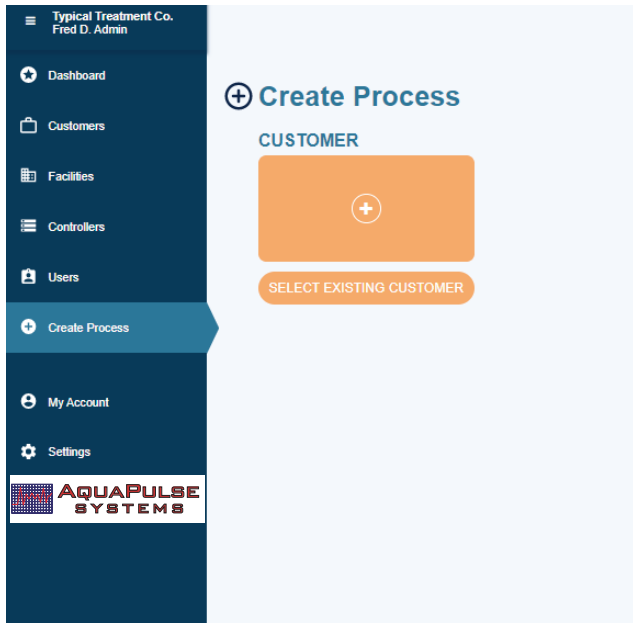
From the left Menu:

Here you’ll see a list of all Customers, Facilities, Controllers or Users associated with the user login



Setting up a New Controller/Application:

1 Select "Create Process" from the left menu:



2a For New Customer, select the "+" button and add new customer information. Then click "Next: Add Facility"

The screenshot shows the 'Add New Customer' form within the 'Create Process' window. At the top, there is a 'SELECT EXISTING CUSTOMER' button. The form contains the following fields:

- Customer Name * (required): Enter Customer Name
- Customer Address: Enter Address
- Primary Contact: Enter Contact Name
- Phone: Enter Customer Phone Number
- Mobile Phone: Enter Customer Mobile Number
- Fax Number: Enter Customer Fax Number

At the bottom of the form, there are two buttons: 'NEXT ADD FACILITY' (highlighted in orange) and 'SAVE & CLOSE'.

OR

2b For Existing Customer – select customer, then click "Next: Add Facility"

The screenshot shows the 'Select Existing Customer' form within the 'Create Process' window. At the top, there is an 'ADD NEW CUSTOMER' button. Below it is a search bar labeled 'Type to Filter'. A grid of customer cards is displayed, each with a circular icon, a name, and an address. The 'Hotel Chain' card is highlighted in orange. The grid contains the following customers:

- CT: Address not available
- DAMPER: Address not available
- DIVEI: Av. El Ejercito
- Gandules: Jayanka
- Green Pura: Address not available
- Horlival: Address not available
- Hospital: Address not available
- Hotel Chain: Address not available
- Nickel Plating Co., Inc.: Address not available

At the bottom of the form, there are two buttons: 'NEXT ADD FACILITY' (highlighted in orange) and 'SAVE & CLOSE'.

3 Select Existing Facility, or Add New Facility in a Similar Manner, then select "Next: Create Process"

Create Process

HOTEL CHAIN

SELECT EXISTING FACILITY [ADD NEW FACILITY](#)

Type to Filter

Boston Hotel	Chicago Hotel	Test2
Address not available	Address not available	Address not available

[NEXT CREATE PROCESS](#)

[SAVE & CLOSE](#)

4 Enter the Process Description and set the desired settings for Alarm Notifications and Escalations:

Note: There are individual settings for Standard, Priority and Critical Alarm Conditions, along with settings for the email addresses for the initial and escalation groups.

Create Process

HOTEL CHAIN - BOSTON HOTEL

Name & Description

Process Name*

Description

Alarm Notification Settings

Alarm Notification Levels - determine when email and SMS messages are sent to you based on the priority level you set. These settings are custom for each Process.

Initial Alarm Notification Delay - The system will trigger an alert response if the Alarm is still active after this duration.

Time to Escalate - If the Alarm is still active after this duration, an Alarm Notification will be sent to the Escalation Group.

STANDARD NOTIFICATION

Set Initial Alarm Notification Delay

0 d 1 h 0 m

Set Time to Escalate Alarm Notification

0 d 0 h 0 m

Repeat Escalation Alarm Notification

0 d 0 h 0 m

PRIORITY NOTIFICATION

Set Initial Alarm Notification Delay

0 d 0 h 15 m

Set Time to Escalate Alarm Notification

0 d 2 h 0 m

Repeat Escalation Alarm Notification

0 d 0 h 0 m

CRITICAL NOTIFICATION

Set Initial Alarm Notification Delay

0 d 0 h 0 m

Set Time to Escalate Alarm Notification

0 d 1 h 0 m

Repeat Escalation Alarm Notification

0 d 1 h 0 m

Primary Contact Group

Email 1

Email 2

Email 3

ADD Another Field

Escalation Contact Group

Email 1

Email 2

Email 3

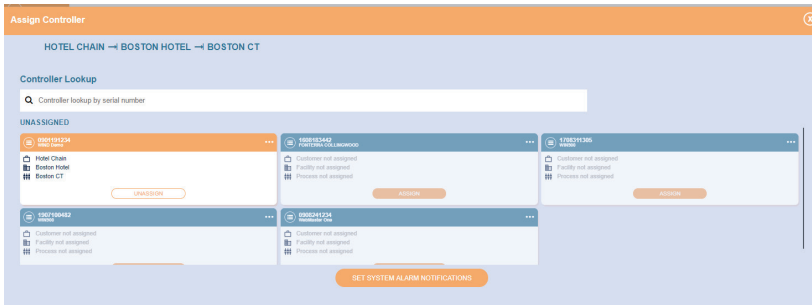
ADD Another Field

[ASSIGN CONTROL LED TO PROCESS](#)

[SAVE & CLOSE](#)

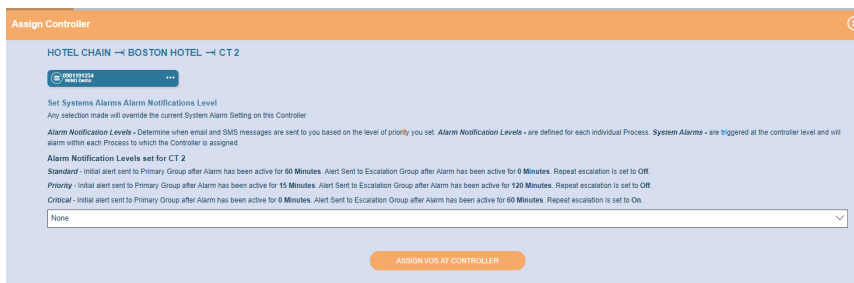
[CANCEL](#)

5 Once all fields have been completed, select “Assign Controller to Process”
Choose Controller by Serial #,
or enter Serial # to locate:

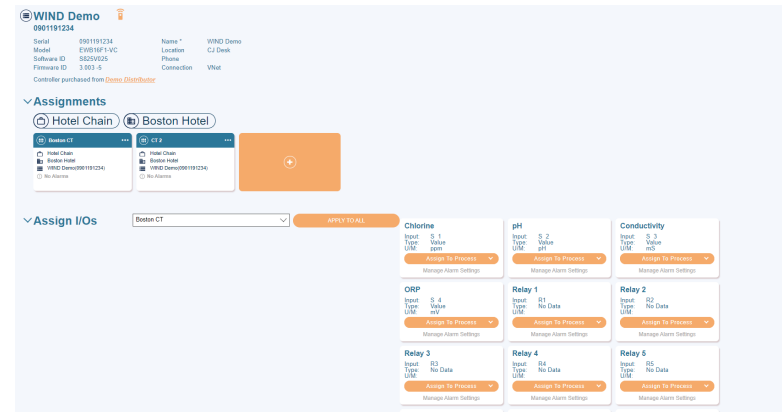


Once Controller is highlighted,
select “Set System Alarm Notifications”

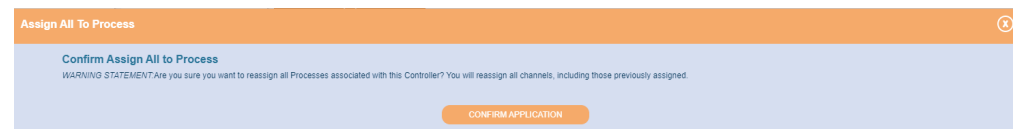
6 Select “Assign I/O's at Controller”



7 If all I/O corresponds to a single process, choose the process and select “Apply to All”. If there are multiple processes controlled by the same device, inputs must be assigned individually.



8 If all I/O belongs to a single process, Select “Confirm Application”



9 For each I/O – select “Manage Alarm Settings” and set desired level for each possible alarm condition:

Chlorine Input: S 1 Type: Value U/M: ppm Boston CT Manage Alarm Settings	pH Input: S 2 Type: Value U/M: pH Boston CT Manage Alarm Settings	Conductivity Input: S 3 Type: Value U/M: mS Boston CT Manage Alarm Settings
ORP Input: S 4 Type: Value U/M: mV Boston CT Manage Alarm Settings	Relay 1 Input: R1 Type: No Data U/M: Boston CT Manage Alarm Settings	Relay 2 Input: R2 Type: No Data U/M: Boston CT Manage Alarm Settings
Relay 3 Input: R3 Type: No Data U/M: Boston CT Manage Alarm Settings	Relay 4 Input: R4 Type: No Data U/M: Boston CT Manage Alarm Settings	Relay 5 Input: R5 Type: No Data U/M: Boston CT Manage Alarm Settings
Relay 6	Relay 7	Relay 8

10 ePulse has alarm notifications on Relays as well, those should also be set as desired:

Channel Alarm Settings
✕

Relay 1 (R1)

Assigned Process

CT Test #1

About Alerts

Alert Levels determine when email and SMS messages are sent to you based on the level of priority you set. *Alert Levels* are defined for each individual Process. **System Alarms** are triggered at the controller level and will alarm within each Process the Controller is assigned too.

Alert Levels set for CT Test #1 (this Process)

Standard - Initial alert sent to Primary Group after Alarm has been active for **60 minutes**. Alert sent to Escalation Group after Alarm has been active for **0 minutes**. Repeat escalation Is set to **Off**.

Priority - Initial alert sent to Primary Group after Alarm has been active for **15 minutes**. Alert Sent to Escalation Group after Alarm has been active for **120 minutes**. Repeat escalation Is set to **Off**.

Critical - Initial alert sent to Primary Group after Alarm has been active for **0 minutes**. Alert Sent to Escalation Group after Alarm has been active for **60 minutes**. Repeat escalation Is set to **On**.

[EDIT PROCESS ALERT SETTINGS](#)

Alarms

Event Skipped

NO ALERTS
STANDARD ALERTS
PRIORITY ALERTS
CRITICAL ALERTS

Output Timeout

NO ALERTS
STANDARD ALERTS
PRIORITY ALERTS
CRITICAL ALERTS

Cycles Alarm

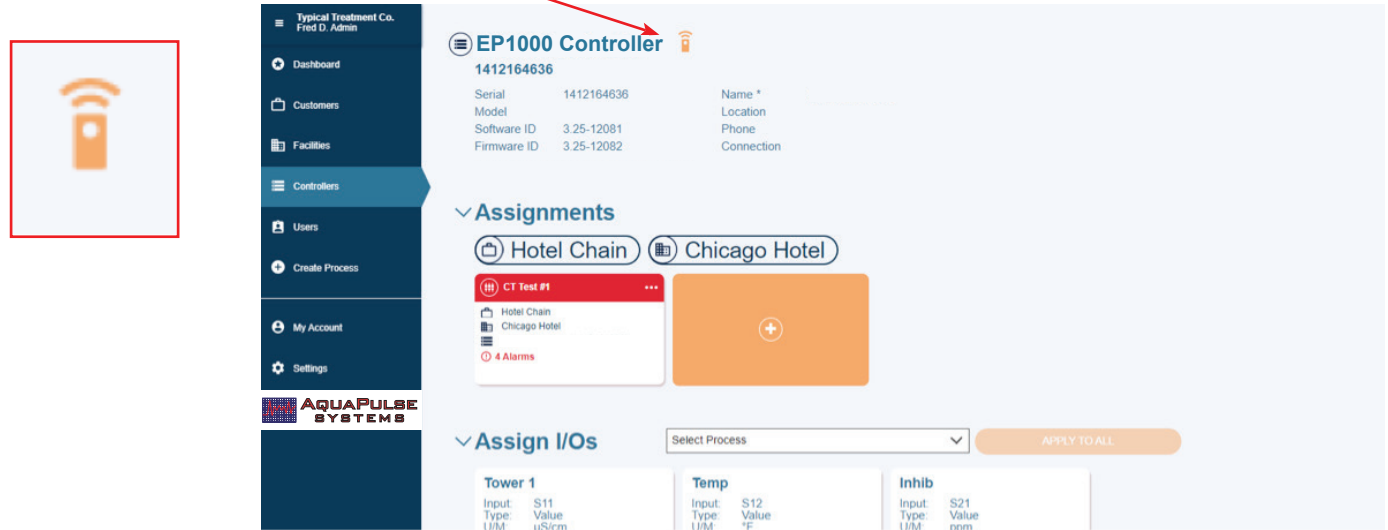
NO ALERTS
STANDARD ALERTS
PRIORITY ALERTS
CRITICAL ALERTS

Control Failure

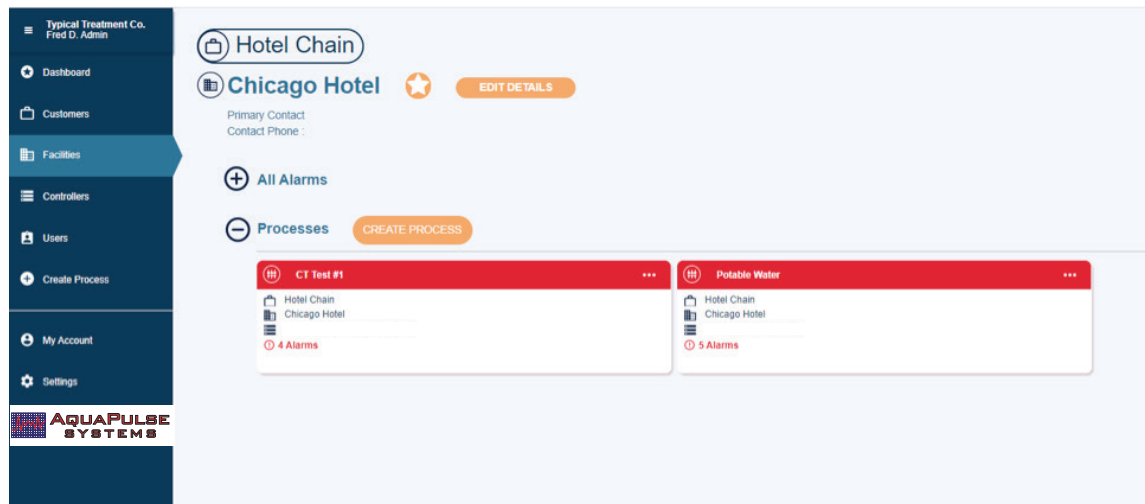
NO ALERTS
STANDARD ALERTS
PRIORITY ALERTS
CRITICAL ALERTS

[SAVE & CLOSE](#)

11 You can connect to the controller from the icon shown next to the controller:

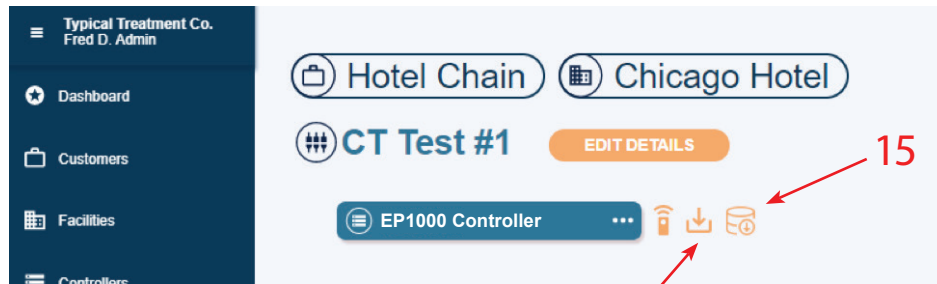


12 At this point, the system is fully configured. To view historical data, download datalogs or event logs, or connect to the controller, you must be at the "Process View". This can be navigated to from Customers or Facilities.



13

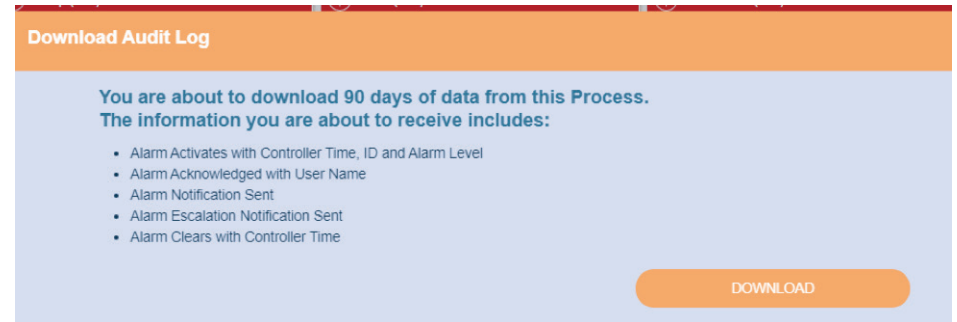
Select the Process of Interest:



14



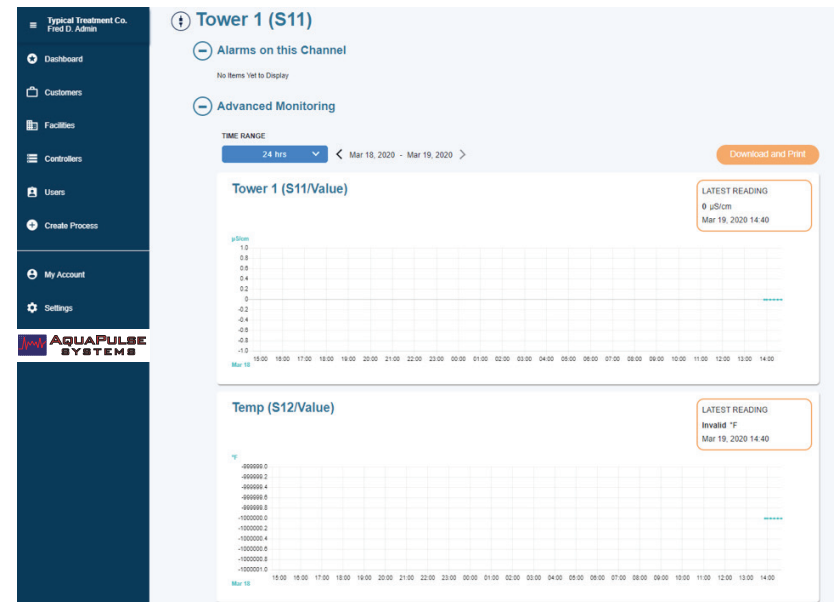
Will provide a 90-day Process Log
(Select the specific “Process Channel”,
along with the desired time frame)



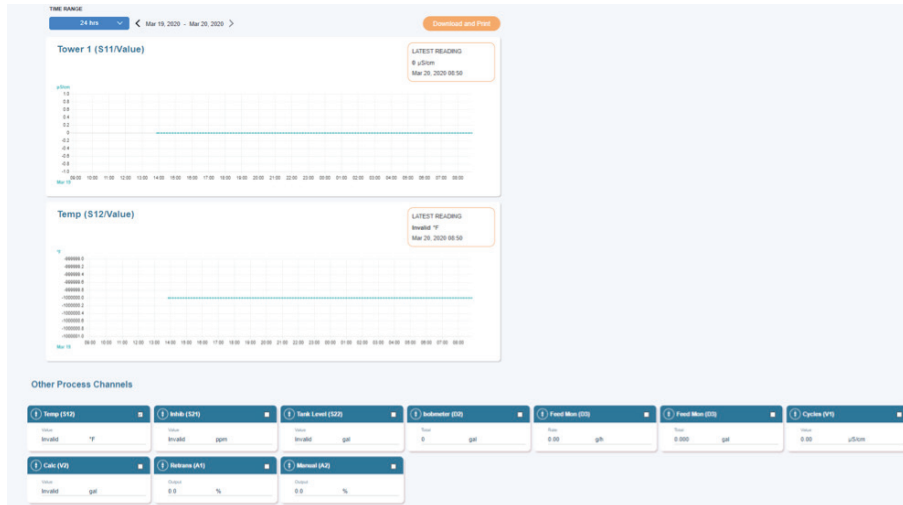
15



Will provide a 90-day Datalog
Historical data for any parameter can
be selected (Select the specific
“Process Channel”, along with the
desired time frame)



16 Multiple items can be selected, and stacked for a multi-parameter view by checking the box in the top right corner of any additional parameters you would like to view for the same time period:



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