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Inform.NET

Monitor's Manual

VEEDER-ROOT

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Inform.NET System Overview

The Inform.NET solution is a self-managed software-based system that polls automated tank gauges (ATGs) using either modems or TCP/IP networking. Polls are schedulable, and ATGs are grouped for ease of management. The Inform.NET system collects and keeps the data from the monitored ATGs, and generates various reports from that information. The system administrator may group ATGs for polling management and reporting purposes. The Inform.NET system also supports the basic management of alarm conditions that may occur in the ATGs. Role-based access controls provide granular management of users and their privileges. The Inform.NET system also provides ATG remote management capabilities of Veeder-Root ATGs for qualified technicians.

The system is accessed using a web browser. The Inform.NET system minimizes the software expenses for third party components by leveraging Microsoft's SQL Server Standard Edition, Internet Information Server, SQL Server Reporting Services, the Task Scheduler, and the .NET framework.

1.0 USER LOG IN AND ACCESS

This particular manual will allow Monitor Users to navigate and use the Inform.NET software with ease and have access to ATG information.

To begin, the Monitor User must go to the following site:

http://[servername]/InformNET_

Once the page loads, the user will be prompted for a username and password. The default installed username and password that shall be used is:

Username:InformnetMonitor

Password:monitor@123

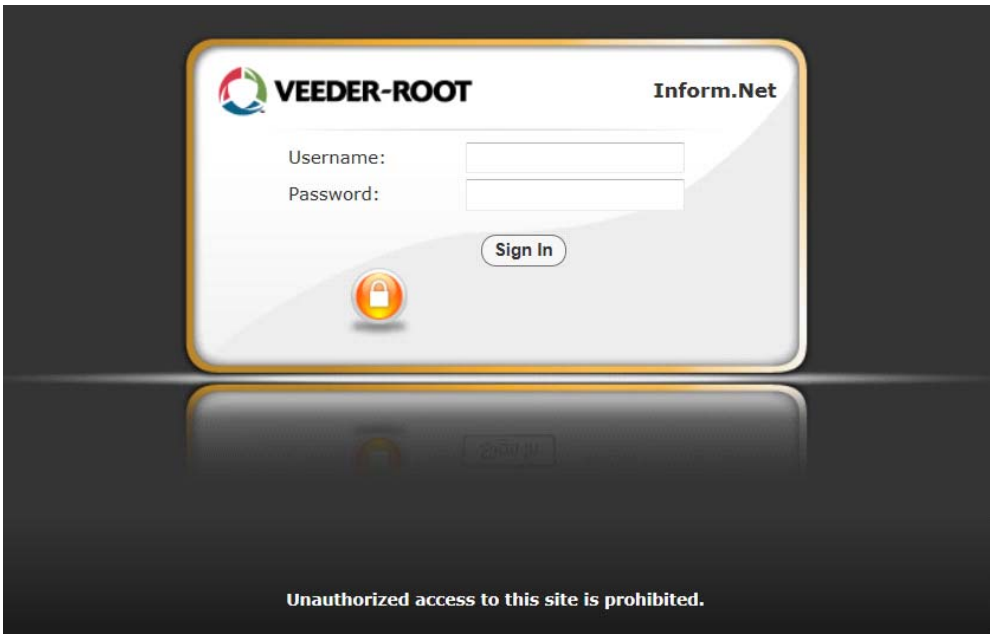


Figure 1. User Log In

2.0 OVERVIEW

Main Tabs:

1. **Home Tab**

   The Home page is the default landing page of Inform.NET. The page consists of a table that displays ID, site name, tank icons and information, alarms, and tests. From this page, the user may navigate to other specific pages with more detailed information.

2. **Monitoring Tab**
   After being prompted and selecting a specific group and site, the user will be taken to the default landing page for the Monitoring tab, which is the equivalent of the tanks page. Here, all available tanks along with detailed information will be listed.

   a. **Group**
      This dropdown allows the user to choose a specific group of sites to view.

   b. **Site**
      This dropdown allows the user to choose a specific site within the selected group for further narrowing purposes. Whatever site is selected, it will filter to all the sections below.

   c. **Tanks**
      Each tank has a checkbox provided beside it. The user may check whichever tank they wish to view specifically.

   d. **Polling Section**

      i. **Event Log**
         This page provides a table format of data based on polling tasks that occur within a specific date range.

      ii. **Priority Queue**
         This page provides a table format of data based on polling tasks in queue for a list of sites. The user has the option to cancel the task, as well as reprioritize the task.

      iii. **Deliveries**
         This page provides data for deliveries made for selected tanks for a specified date range.

iv. **Inventory**

This page provides data for inventory for selected tanks for a specified date range.

v. **BIR**

This page provides data for BIR for selected tanks for a specified date range.

e. **Equipment Section**

i. **Tanks**

This page provides the same options as Part C from above.

f. **Alarms Section**

i. **Active Alarms**

This page provides data for a list of active alarms for a selected site.

ii. **Alarm History**

This page provides a history of alarms for a selected alarm category and a specified date range.

iii. **Config Alarms**

This page allows the user to view changes made to alarms and the dates of those changes. Edits cannot be made by the operator.

g. **Testing Section**

i. **Tank History Report**

This page provides a general overview of tank leak data for selected tanks of a specified date range.

ii. **Tank Test Results**

This page provides a more detailed look into leak test results for selected tanks of a specified date range.

iii. **Sensors**

This page provides data for selected sensor types of a specified date range such as location and status of the sensors.

iv. **Line Test**

This page provides line test results and data for selected leak detector types of a specified date range.

v. **CSLD**

This page provides CSLD results and data for a specified date range.

vi. **Line Status**

This page provides line status data for a list of tanks that are automatically populated into the list.

3. **On Demand Reports Tab**

The user has the option to pull and retrieve reports based on various criteria. The user may specify the type of report and the data within the report depending on which criteria they decide to edit or use.

4. **Polling Dashboard Tab**

This page provides the user with an overview of what items are within the queue currently. The user may refresh the page whenever they need to in order to view the most updated list of items in the queue.

3.0 HOME

After entering the correct username and password, the user will be directed to the Veeder-Root Home page. The main Home page will be one of four possible tabs to choose from, as shown below. The "Home" tab is formatted as a table that includes the ID numbers, the corresponding IP addresses, Tank information, Alarms, Configuration Alarms, and a link called "Tests".

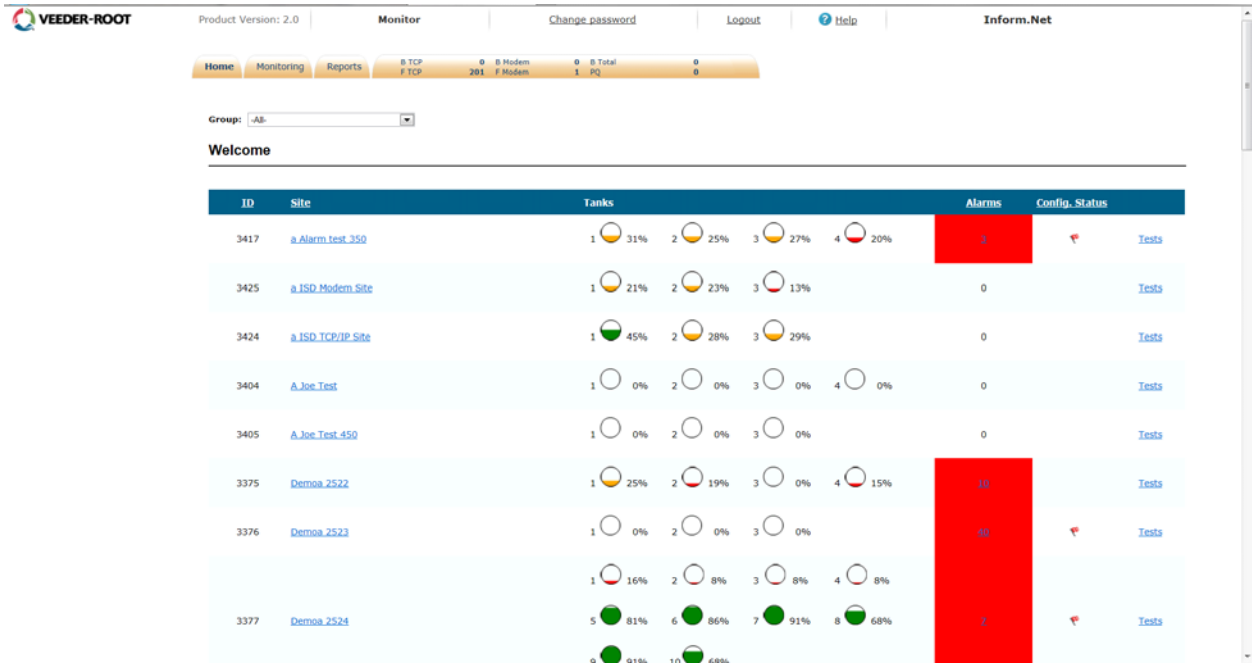


Figure 2. Home Page

3.1 VIEW DATA BY GROUP

At the top of the Home page, there is a single drop down menu labeled "Group". This drop down allows the User to select and view all sites or just a specific monitoring group based on polling sets and schedules.

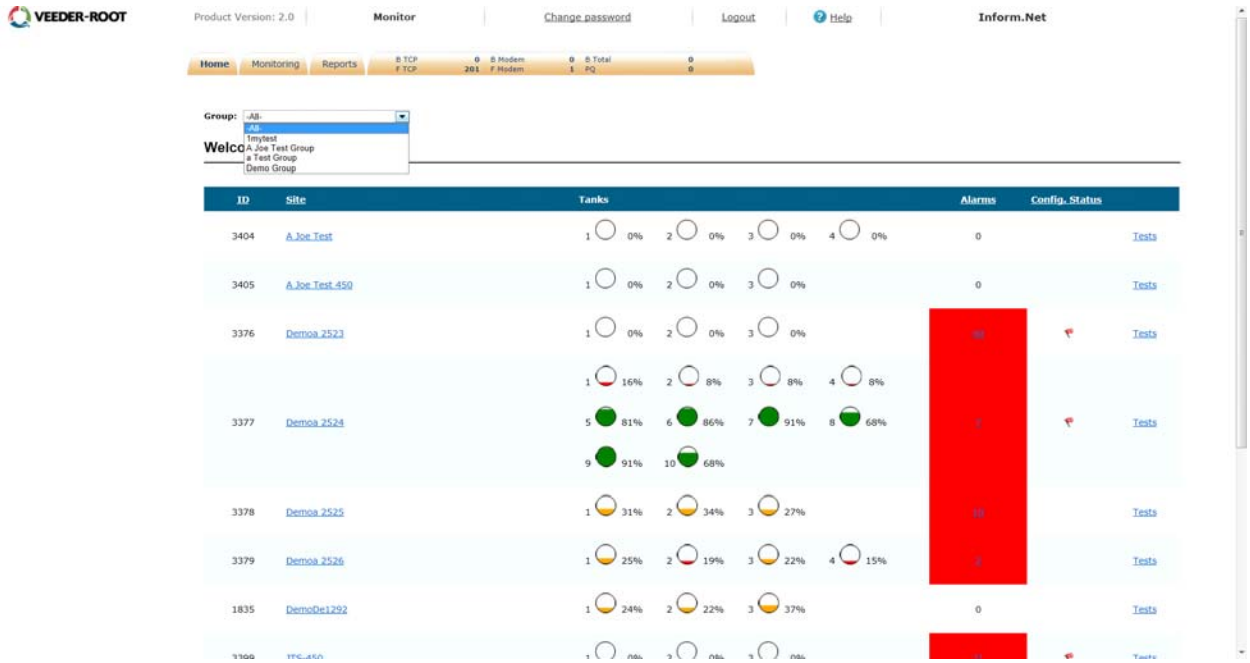


Figure 3. Group Selection Drop Down

3.2 DIRECT LINK TO TANK INFORMATION FROM HOME PAGE

The figure below shows what will display if the User navigates the cursor over any one of the tanks. A rectangular window will pop up showing specific information of that particular tank.

To view a specific site's tank listing and the corresponding details, simply click on any one of the tanks within the same row. This is a direct link to the "Monitoring" tab and the "Equipments" section where each tank will be listed along with extensive details for a chosen Site.

The user may also access the tank listing by clicking on a specific site name, which is a direct link to that site's tank listing.

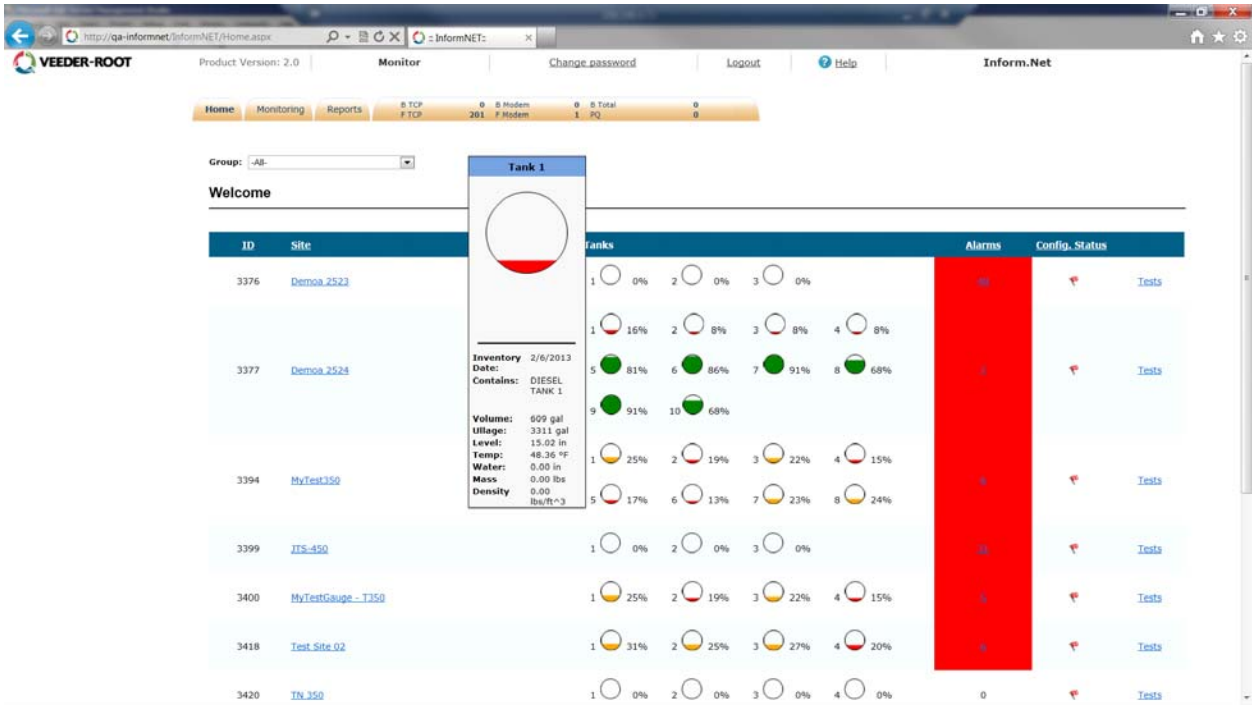


Figure 4. Tank Pop Up w/Data

3.3 DIRECT LINK TO ALARMS INFORMATION FROM HOME PAGE

The Home page displays the number of alarms within each Site. The Sites that do contain alarms are indicated by a red colored box.

To view extensive details of the alarm(s) at each Site, just click on the number under the Alarms column. This is a direct link to the "Monitoring" tab and the "Alarms" section within that page for a chosen Site.

3.4 DIRECT LINK TO TESTING INFORMATION FROM HOME PAGE

On the right hand side, there are direct links labeled as "Tests". To access testing data, simply click on this link and the User will be directed to the "Monitoring" tab and the "Testing" section within that page. The default landing page for the direct link is the Line Test page.

The User will be prompted to select a "Leak Detector Type" before any data is displayed.

4.0 MONITORING

The first thing the User will encounter in this page is a prompt for a specific:

- Group
- Site

In the "Home" tab, the data is already configured into specific groups so clicking on particular Tanks, Alarms, and Tests would direct the User to the "Monitoring" tab without being prompted.

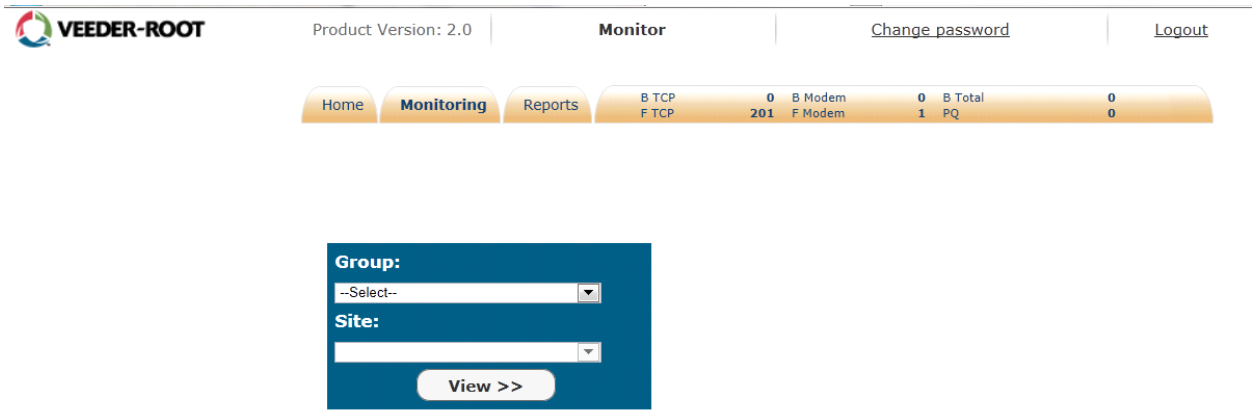


Figure 5. Monitoring Page

Once a Group and Site have been selected, the Monitoring page will display the "Equipments" section, which is the default landing page. This is also called the Site Summary.

Within each box, data for fuel type, Volume, Ullage, Level, Temperature, water level, Alarms, and Collection Date/Time are available for each tank.

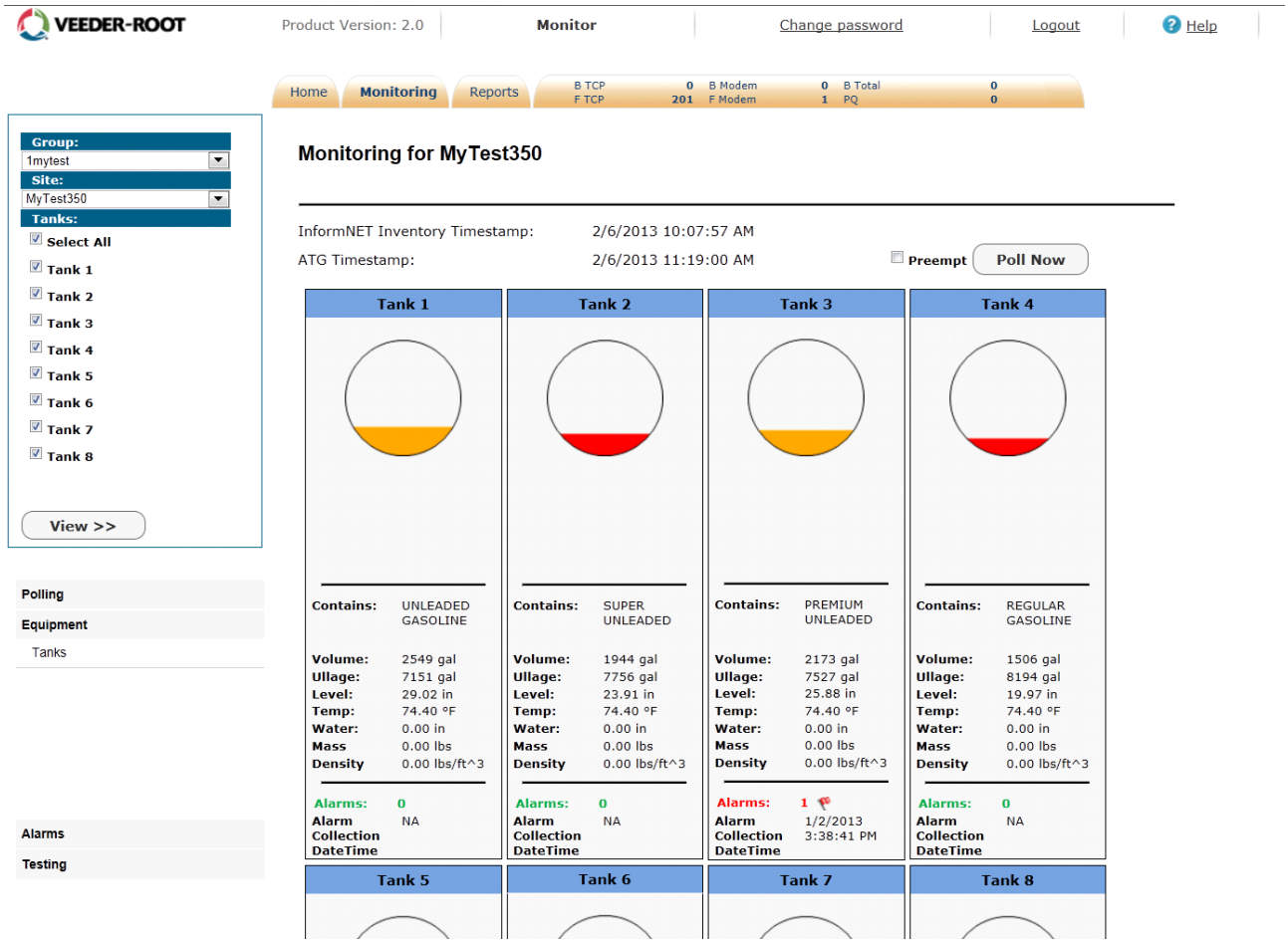


Figure 6. Site Summary

4.1 DISPLAY ONLY SPECIFIC TANKS

The User may narrow down the number of tanks they want the page to display or examine. To do this, the User must check the boxes of the tanks they want to display and then select the "View "button as shown below.

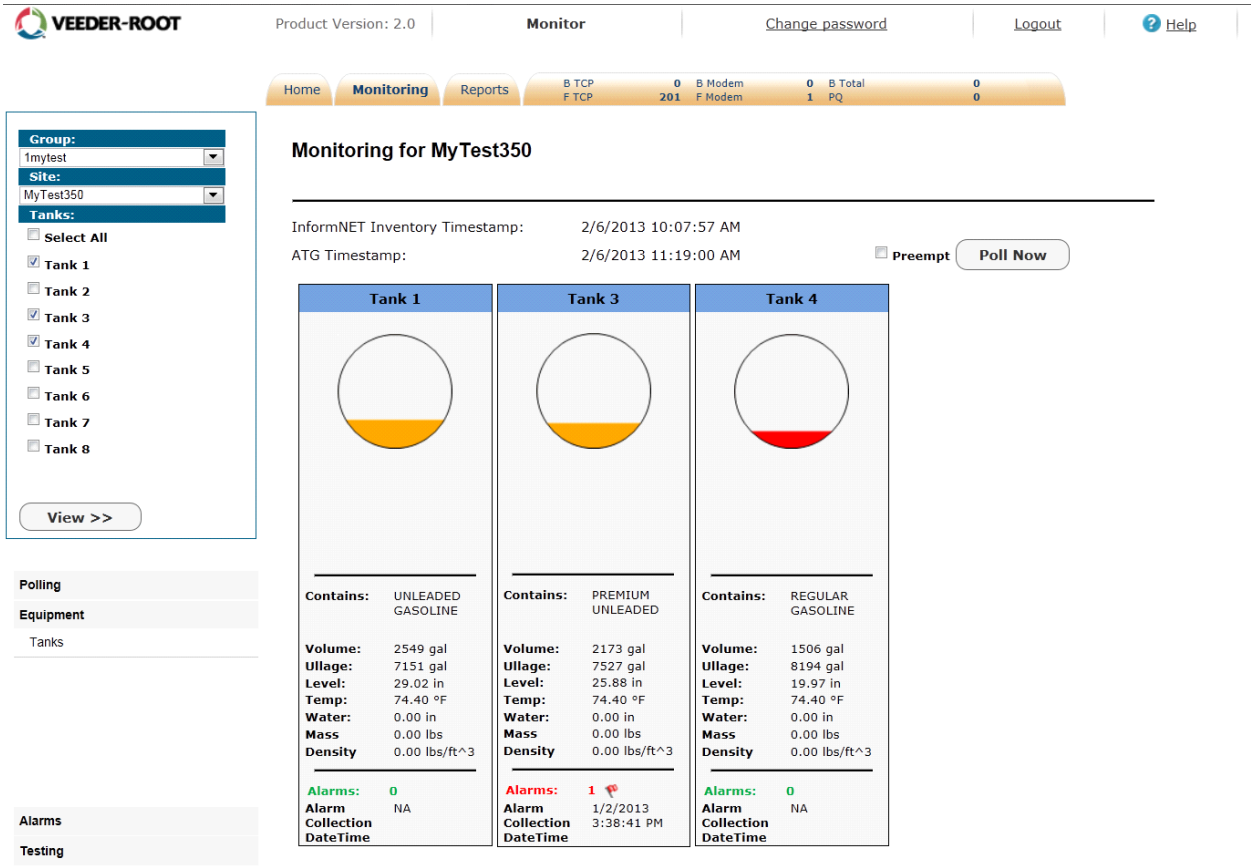


Figure 7. Display Specific Tanks Only

4.2 DISPLAY DETAILS OF A SINGLE TANK

To display a specific tank and its details, simply click on the desired tank and all the detailed information as well as the Inventory Polling History for that single tank will show.

To return to the main Tanks page, simply select the "Return" button located in the upper right hand corner of the page.

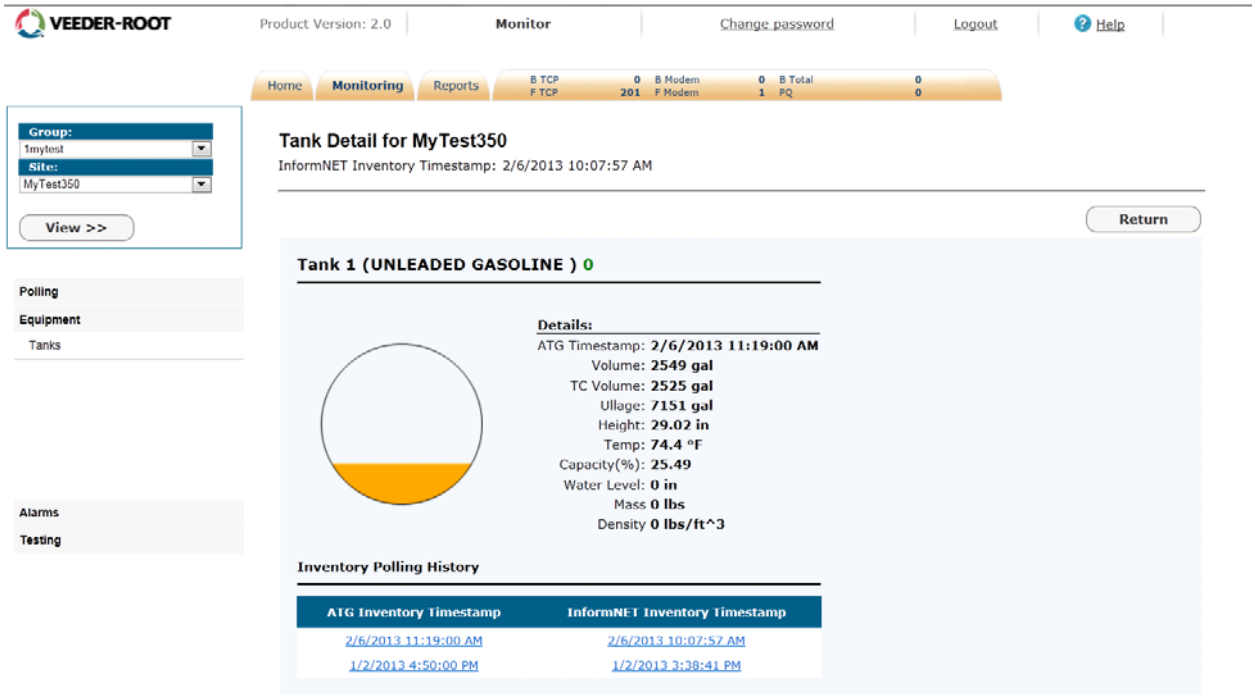


Figure 8. Display Details of Single Tank

4.2.1 INVENTORY POLLING HISTORY

To view the inventory polling details of a specific time period, simply click on the desired date and time link and the information will update under Details.

4.3 POLLING THE TANKS

To poll the tanks, the User will click on the "Poll Now" button located in the upper right hand corner of the page. This feature will gather current data from the gauge, which is comprised of Alarms, Inventory, and Deliveries.

The User may also narrow down the number of tanks to be polled. To do this, the User must check the boxes of the desired tanks, click "View", and then click the "Poll Now" button.

The User may check the "Preempt" box to place a higher priority task in the front of the queue.

4.4 DISPLAY TANKS FROM A DIFFERENT GROUP/SITE

To display tank information of a different Group and a different Site, the User must use the drop down menus located in the upper left hand corner of the page and select a:

- Group
- Site

After selections are made, the User must select the tanks they want to display and then click on "View".

4.5 ACCESS POLLING EVENT LOG

Under the "Polling" section, there is a link called "Event Log". By clicking this link, the User will be directed to the Event Log page in which prompts will appear. The User must select a specific:

- Site
- Event Code
- Date Range

The date range will be defaulted, but the User may change the date range accordingly if necessary.

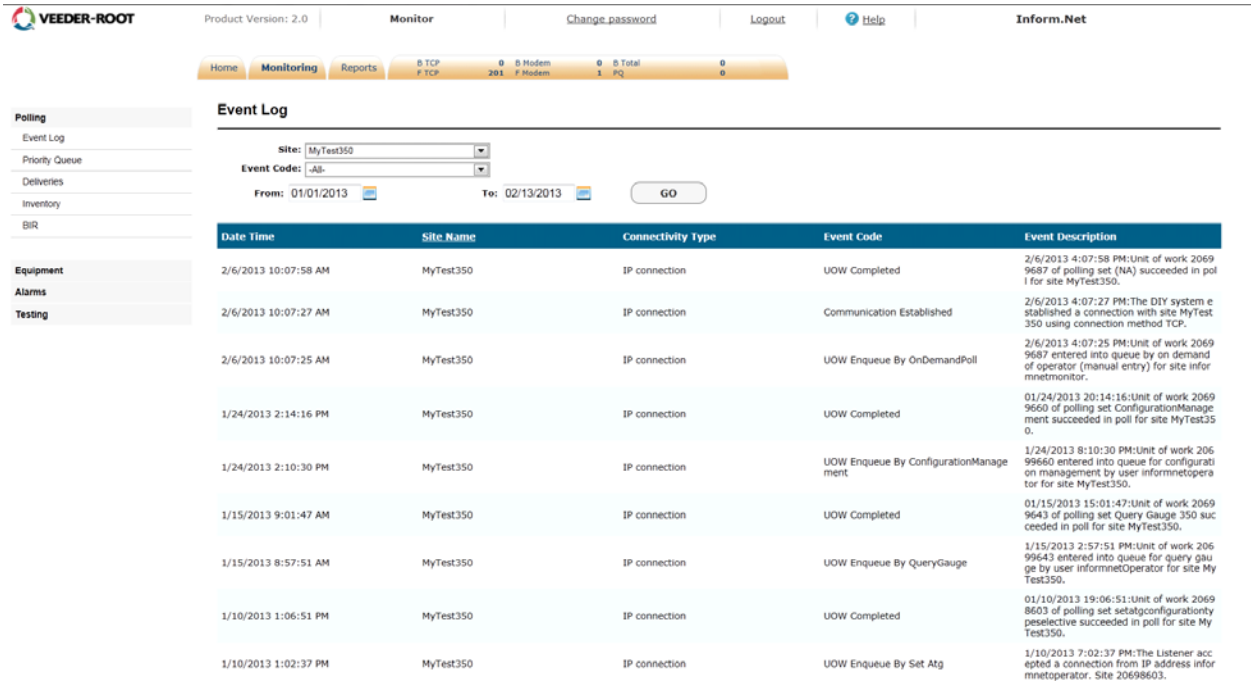


Figure 9. Polling Event Log

Once selections are made, a table containing data for Date Time, Event Code, and Event Description will display for examination.

Below is a table that displays a list of possible event codes and specific descriptions for each event code.

Event Code	Description
Communication Established	Successful communication and connection between the server and the gauge.
Communication Failed Modem Connected But No Response	Successful communication, but gauge did not respond to any commands.
Communication Failed Modem Errors	Miscellaneous errors due to unknown event (i.e. call dropped, static, etc.).
Communication Failed Modem Port In Use	Could not access modem because port in use at the time
Communication Failed No Answer	No pick up from gauge after 12 rings
Communication Failed No Dial Tone	Modem failed to connect with server
Communication Failed TCP Errors	Miscellaneous errors due to unknown event (i.e. loss of connection, garbage data, etc.).
Failed to Collect Gauge Configuration	Connection made and commands sent, but the data returned did not validate.
Gauge Update Failed Site Setup	Connection made and commands sent, but the setup information did not validate.
System Reset Failed	Reset command issue, but gauge did not respond.
UOW Cancelled	Individual polling task has been cancelled.
UOW Completed	Polling task successfully gathered data.
UOW Enqueue By Bulk Upload	List of sites have been inserted by bulk upload and have begun to process.
UOW Enqueue By On Demand Poll	The "Poll Now" event has been initialized.
UOW Enqueue By Query Gauge	Administrator has inserted site and initialized query of the site.
UOW Enqueue By Schedular	The polling set has been executed through a set schedule.
UOW Enqueue By Site Setup Operator	The operator configuration has been initialized.
UOW Expired	Polling task has exceeded its max age limit for a unit of work. In Global Settings, default is set at 10 days.
UOW Failed After Retries	Polling task has failed due to exceeding max service attempts (default at 3 attempts).
UOW Failed Command Not Accepted	Polling command not recognized by gauge.
UOW Failed Database Failure	Failed to write or update data into database.
UOW Failed Invalid Check Sum	Integrity of data cannot be validated.
UOW Failed Invalid Response	Invalid data from gauge (i.e. connecting at a different speed/ rate)
UOW Preempted	Task with higher priority placed in front of polling task.
UOW Replaced	Identical polling task replaced and put at higher priority than original polling task.
UOW Reprioritized	Polling task set to a different priority level.
UOW Requested	Polling queue service requested task.

Figure 10. Polling Event Log List and Description

4.6 CHANGE POLLING PRIORITY QUEUE

Only the Administrator has the ability to change polling queue priorities though other users may view the contents of the queue.

To change the polling queue priorities, the User must click on the "Priority Queue" link located under the "Polling" section. The User must then select a:

- Date range (defaulted)

To edit, simply select a specific Priority Queue and edit options will appear to add/remove data.

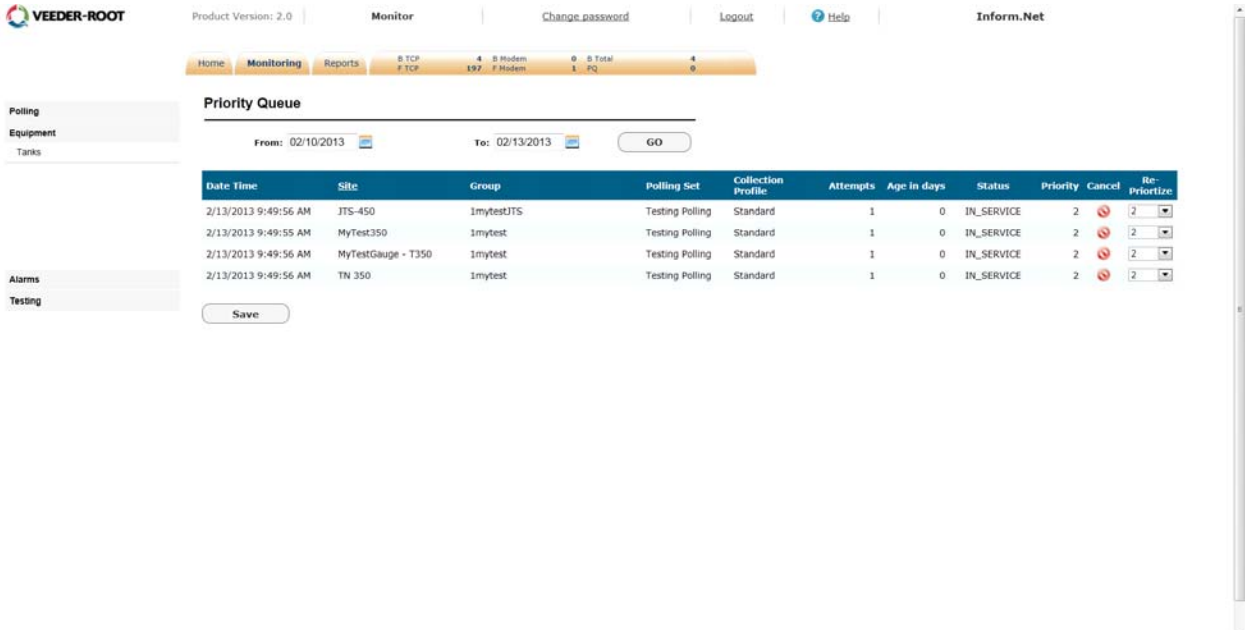


Figure 11. Priority Queue

4.7 ACCESS POLLING DELIVERIES

To view the deliveries, the User must click on the "Deliveries" link located under the "Polling" section. The User will be prompted to select a:

- Tank (drop down menu)
- Date range (defaulted)

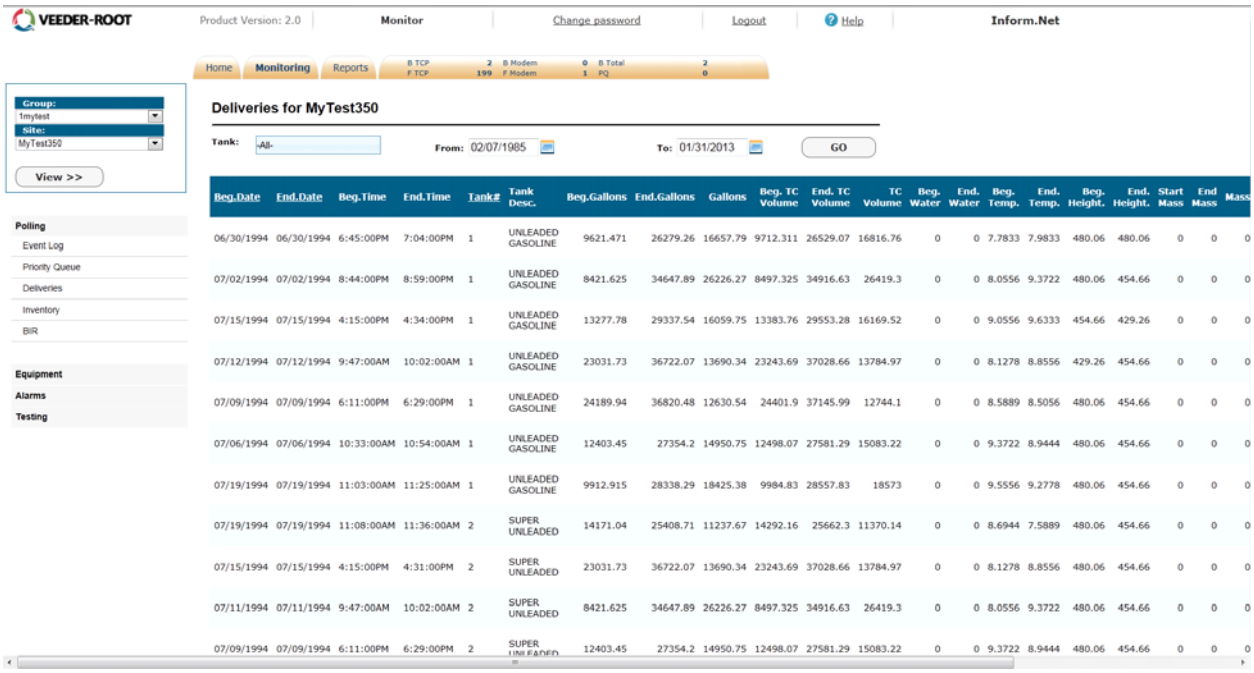


Figure 12. Polling Deliveries

4.8 ACCESS POLLING INVENTORY

To view inventory, the User must click on the "Inventory" link located under the "Polling" section. The User will be prompted to select a:

- Tank (drop down menu)
- Date range (defaulted)

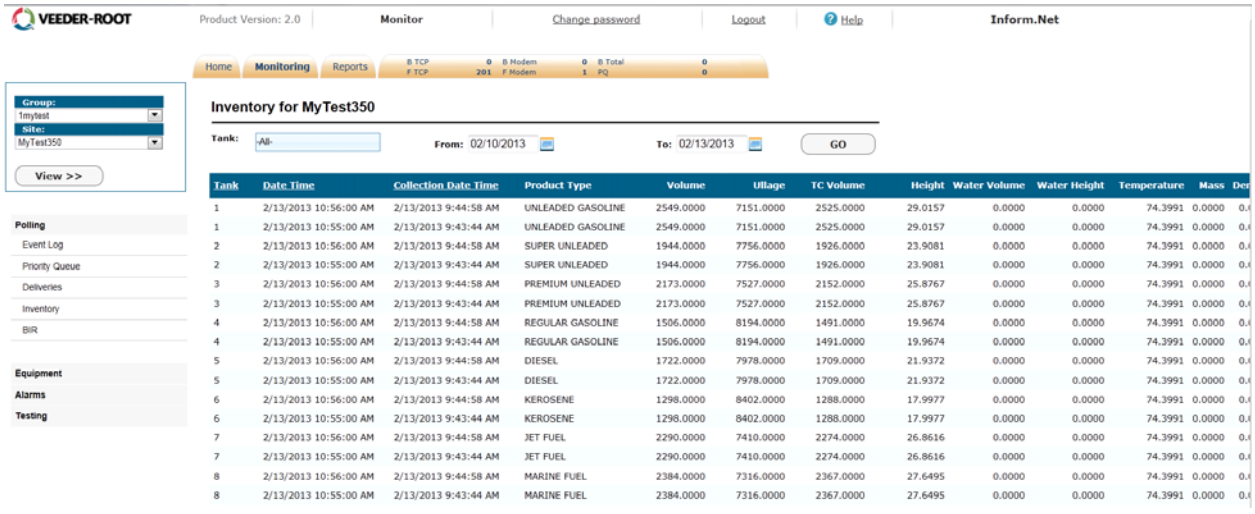


Figure 13. Polling Inventory

4.9 ACCESS POLLING BIR

To view BIR data, the User must click on the "BIR" link located under the "Polling" section. The User must first select a:

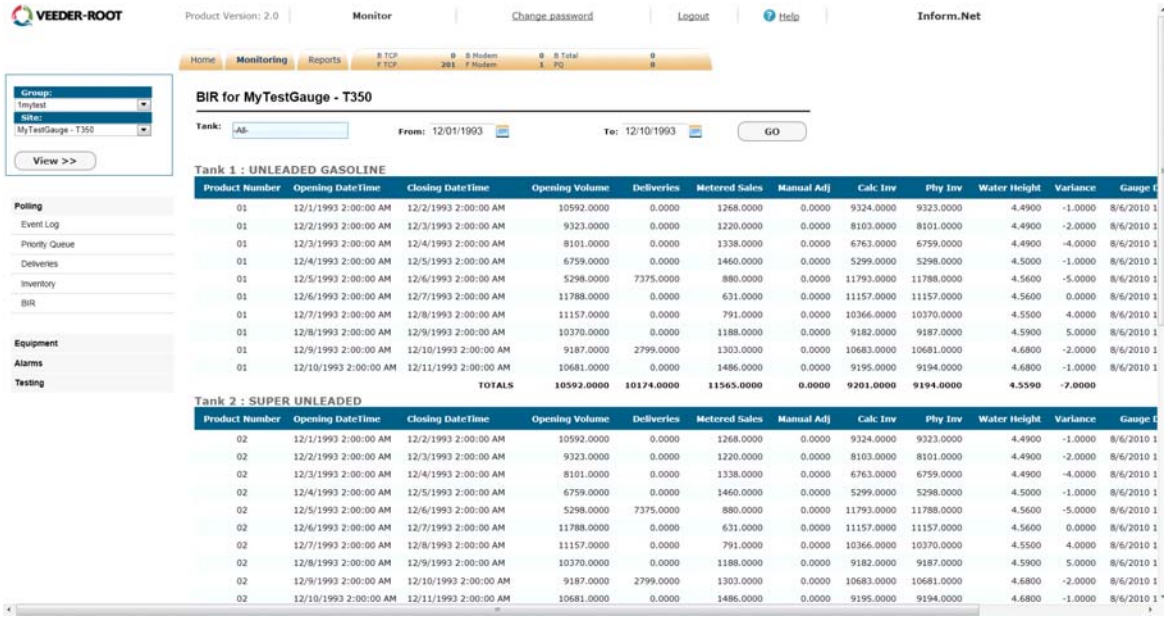


Figure 14. Polling BIR

4.10 DISPLAY DELIVERIES, INVENTORY & BIR FROM A DIFFERENT GROUP/SITE

To display Deliveries, Inventory, and/or BIR information of a different Group or a different Site, the User must use the drop down menus located in the upper left hand corner of the page and select a:

- Group
- Site

After selections are made, the User must click on "View". The User will be taken back to the default landing page (Equipment), so they will have to re-select the "Polling" tab to view one of these categories.

4.11 ACCESS ACTIVE ALARMS

To view the active alarms for a site, the User must select the "Active Alarms" link located under the "Alarm" section.

After clicking on this link, a table containing data for Alarms Description, Type, Date Time, and Collection Date Time will appear for examination.

This page is directly accessible through the Alarms link provided in the Home page.

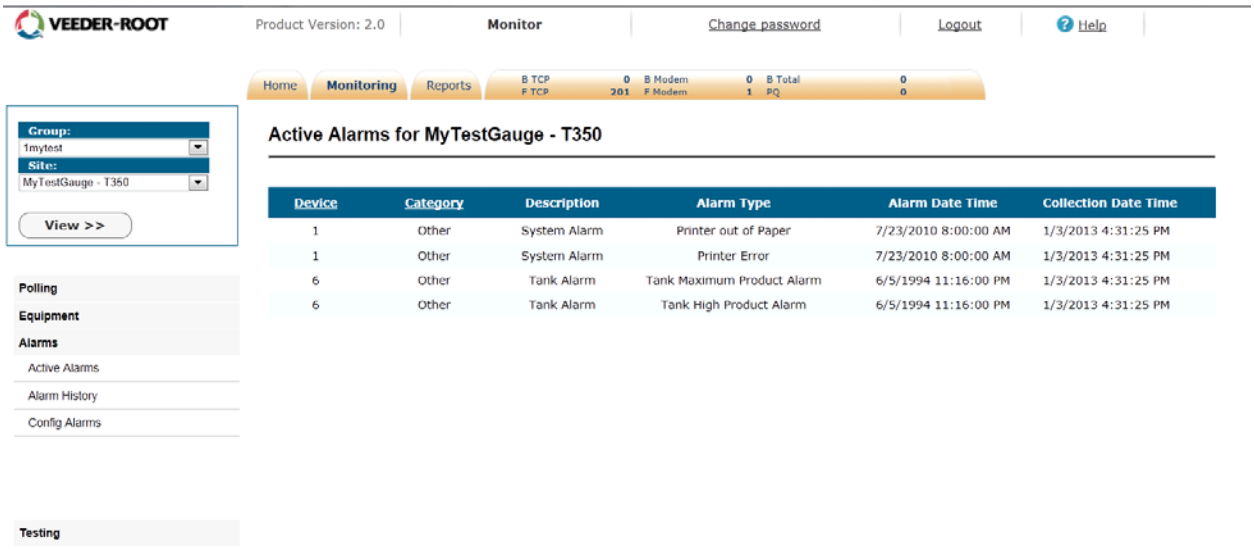


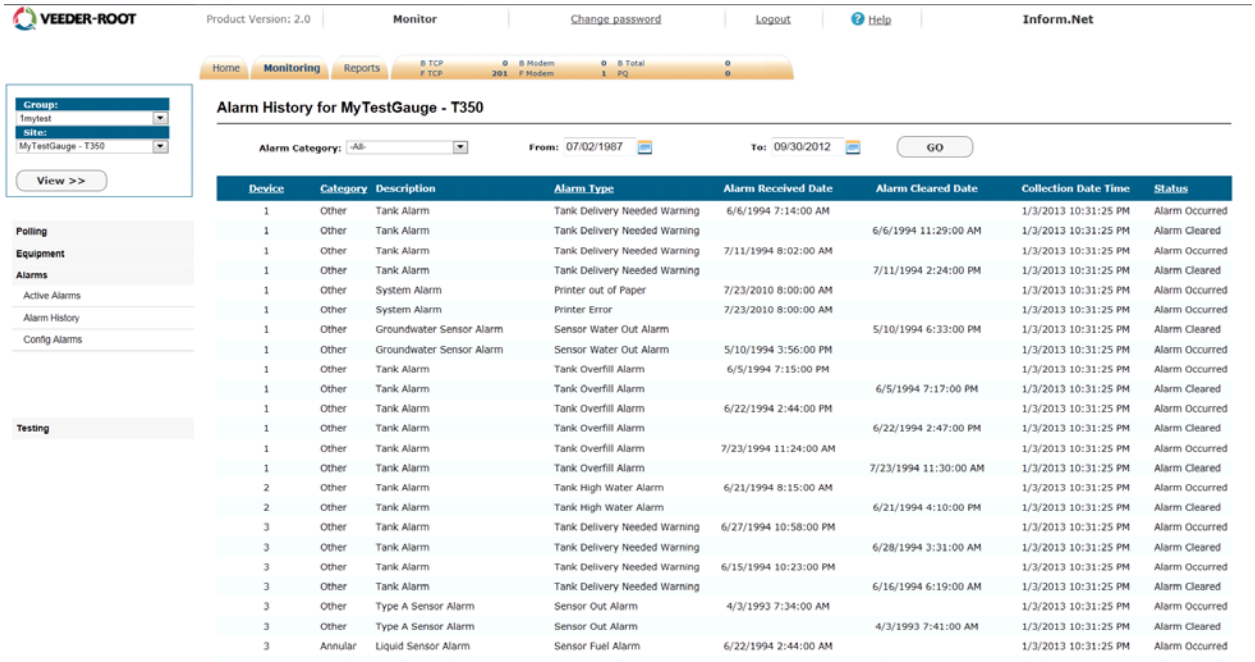
Figure 15. Active Alarms

4.12 ACCESS ALARM HISTORY

To view data for alarm history, the User must select the "Alarm History" link located under the "Alarms" section. The User will be prompted to select:

- Alarm Category (drop down menu)
- Date range (defaulted)

Data may be divided into multiple pages. If this is the case, there will be links at the bottom of the table to navigate from one page to the other.



Device	Category	Description	Alarm Type	Alarm Received Date	Alarm Cleared Date	Collection Date Time	Status
1	Other	Tank Alarm	Tank Delivery Needed Warning	6/6/1994 7:14:00 AM		1/3/2013 10:31:25 PM	Alarm Occurred
1	Other	Tank Alarm	Tank Delivery Needed Warning		6/6/1994 11:29:00 AM	1/3/2013 10:31:25 PM	Alarm Cleared
1	Other	Tank Alarm	Tank Delivery Needed Warning	7/11/1994 8:02:00 AM		1/3/2013 10:31:25 PM	Alarm Occurred
1	Other	Tank Alarm	Tank Delivery Needed Warning		7/11/1994 2:24:00 PM	1/3/2013 10:31:25 PM	Alarm Cleared
1	Other	System Alarm	Printer out of Paper	7/23/2010 8:00:00 AM		1/3/2013 10:31:25 PM	Alarm Occurred
1	Other	System Alarm	Printer Error	7/23/2010 8:00:00 AM		1/3/2013 10:31:25 PM	Alarm Occurred
1	Other	Groundwater Sensor Alarm	Sensor Water Out Alarm		5/10/1994 6:33:00 PM	1/3/2013 10:31:25 PM	Alarm Cleared
1	Other	Groundwater Sensor Alarm	Sensor Water Out Alarm	5/10/1994 3:56:00 PM		1/3/2013 10:31:25 PM	Alarm Occurred
1	Other	Tank Alarm	Tank Overfill Alarm	6/5/1994 7:15:00 PM		1/3/2013 10:31:25 PM	Alarm Occurred
1	Other	Tank Alarm	Tank Overfill Alarm		6/5/1994 7:17:00 PM	1/3/2013 10:31:25 PM	Alarm Cleared
1	Other	Tank Alarm	Tank Overfill Alarm	6/22/1994 2:44:00 PM		1/3/2013 10:31:25 PM	Alarm Occurred
1	Other	Tank Alarm	Tank Overfill Alarm		6/22/1994 2:47:00 PM	1/3/2013 10:31:25 PM	Alarm Cleared
1	Other	Tank Alarm	Tank Overfill Alarm	7/23/1994 11:24:00 AM		1/3/2013 10:31:25 PM	Alarm Occurred
1	Other	Tank Alarm	Tank Overfill Alarm		7/23/1994 11:30:00 AM	1/3/2013 10:31:25 PM	Alarm Cleared
2	Other	Tank Alarm	Tank High Water Alarm	6/21/1994 8:15:00 AM		1/3/2013 10:31:25 PM	Alarm Occurred
2	Other	Tank Alarm	Tank High Water Alarm		6/21/1994 4:10:00 PM	1/3/2013 10:31:25 PM	Alarm Cleared
3	Other	Tank Alarm	Tank Delivery Needed Warning	6/27/1994 10:58:00 PM		1/3/2013 10:31:25 PM	Alarm Occurred
3	Other	Tank Alarm	Tank Delivery Needed Warning		6/28/1994 3:31:00 AM	1/3/2013 10:31:25 PM	Alarm Cleared
3	Other	Tank Alarm	Tank Delivery Needed Warning	6/15/1994 10:23:00 PM		1/3/2013 10:31:25 PM	Alarm Occurred
3	Other	Tank Alarm	Tank Delivery Needed Warning		6/16/1994 6:19:00 AM	1/3/2013 10:31:25 PM	Alarm Cleared
3	Other	Type A Sensor Alarm	Sensor Out Alarm	4/3/1993 7:34:00 AM		1/3/2013 10:31:25 PM	Alarm Occurred
3	Other	Type A Sensor Alarm	Sensor Out Alarm		4/3/1993 7:41:00 AM	1/3/2013 10:31:25 PM	Alarm Cleared
3	Annular	Liquid Sensor Alarm	Sensor Fuel Alarm	6/22/1994 2:44:00 AM		1/3/2013 10:31:25 PM	Alarm Occurred

Figure 16. Alarm History

4.13 DISPLAY ACTIVE ALARMS & ALARM HISTORY FOR A DIFFERENT GROUP/ SITE

To display Active Alarms and Alarm History information of a different Group or a different Site, the User must use the drop down menus located in the upper left hand corner of the page and select a:

- Group
- Site

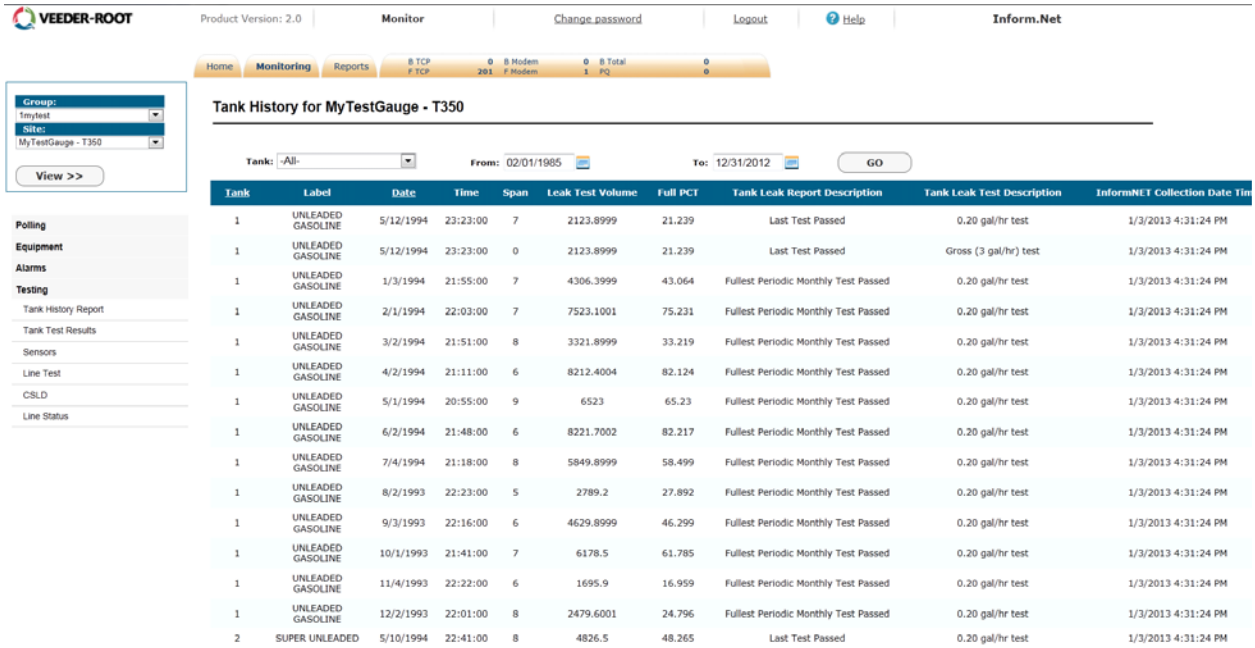
After selections are made, the User must click on "View". The User will be taken back to the default landing page (Equipment), so they will have to re-select the "Alarms" tab to view data concerning Alarms.

4.14 ACCESS TANK HISTORY REPORT

To view data for tank history, the User must select the "Tank History Report" link located under the "Testing" section. The User will be prompted to select a:

- Tank (drop down menu)
- Date range (defaulted)

Once selections are made, a table containing data for factors such as Leak Test Volume and Tank Leak Report Description will display for examination.



Tank	Label	Date	Time	Span	Leak Test Volume	Full PCT	Tank Leak Report Description	Tank Leak Test Description	InformNET Collection Date Tim
1	UNLEADED GASOLINE	5/12/1994	23:23:00	7	2123.8999	21.239	Last Test Passed	0.20 gal/hr test	1/3/2013 4:31:24 PM
1	UNLEADED GASOLINE	5/12/1994	23:23:00	0	2123.8999	21.239	Last Test Passed	Gross (3 gal/hr) test	1/3/2013 4:31:24 PM
1	UNLEADED GASOLINE	1/3/1994	21:55:00	7	4306.3999	43.064	Fullest Periodic Monthly Test Passed	0.20 gal/hr test	1/3/2013 4:31:24 PM
1	UNLEADED GASOLINE	2/1/1994	22:03:00	7	7523.1001	75.231	Fullest Periodic Monthly Test Passed	0.20 gal/hr test	1/3/2013 4:31:24 PM
1	UNLEADED GASOLINE	3/2/1994	21:51:00	8	3321.8999	33.219	Fullest Periodic Monthly Test Passed	0.20 gal/hr test	1/3/2013 4:31:24 PM
1	UNLEADED GASOLINE	4/2/1994	21:11:00	6	8212.4004	82.124	Fullest Periodic Monthly Test Passed	0.20 gal/hr test	1/3/2013 4:31:24 PM
1	UNLEADED GASOLINE	5/1/1994	20:55:00	9	6523	65.23	Fullest Periodic Monthly Test Passed	0.20 gal/hr test	1/3/2013 4:31:24 PM
1	UNLEADED GASOLINE	6/2/1994	21:48:00	6	8221.7002	82.217	Fullest Periodic Monthly Test Passed	0.20 gal/hr test	1/3/2013 4:31:24 PM
1	UNLEADED GASOLINE	7/4/1994	21:18:00	8	5849.8999	58.499	Fullest Periodic Monthly Test Passed	0.20 gal/hr test	1/3/2013 4:31:24 PM
1	UNLEADED GASOLINE	8/2/1993	22:23:00	5	2789.2	27.892	Fullest Periodic Monthly Test Passed	0.20 gal/hr test	1/3/2013 4:31:24 PM
1	UNLEADED GASOLINE	9/3/1993	22:16:00	6	4629.8999	46.299	Fullest Periodic Monthly Test Passed	0.20 gal/hr test	1/3/2013 4:31:24 PM
1	UNLEADED GASOLINE	10/1/1993	21:41:00	7	6178.5	61.785	Fullest Periodic Monthly Test Passed	0.20 gal/hr test	1/3/2013 4:31:24 PM
1	UNLEADED GASOLINE	11/4/1993	22:22:00	6	1695.9	16.959	Fullest Periodic Monthly Test Passed	0.20 gal/hr test	1/3/2013 4:31:24 PM
1	UNLEADED GASOLINE	12/2/1993	22:01:00	8	2479.6001	24.796	Fullest Periodic Monthly Test Passed	0.20 gal/hr test	1/3/2013 4:31:24 PM
2	SUPER UNLEADED	5/10/1994	22:41:00	8	4826.5	48.265	Last Test Passed	0.20 gal/hr test	1/3/2013 4:31:24 PM

Figure 17. Tank History Report

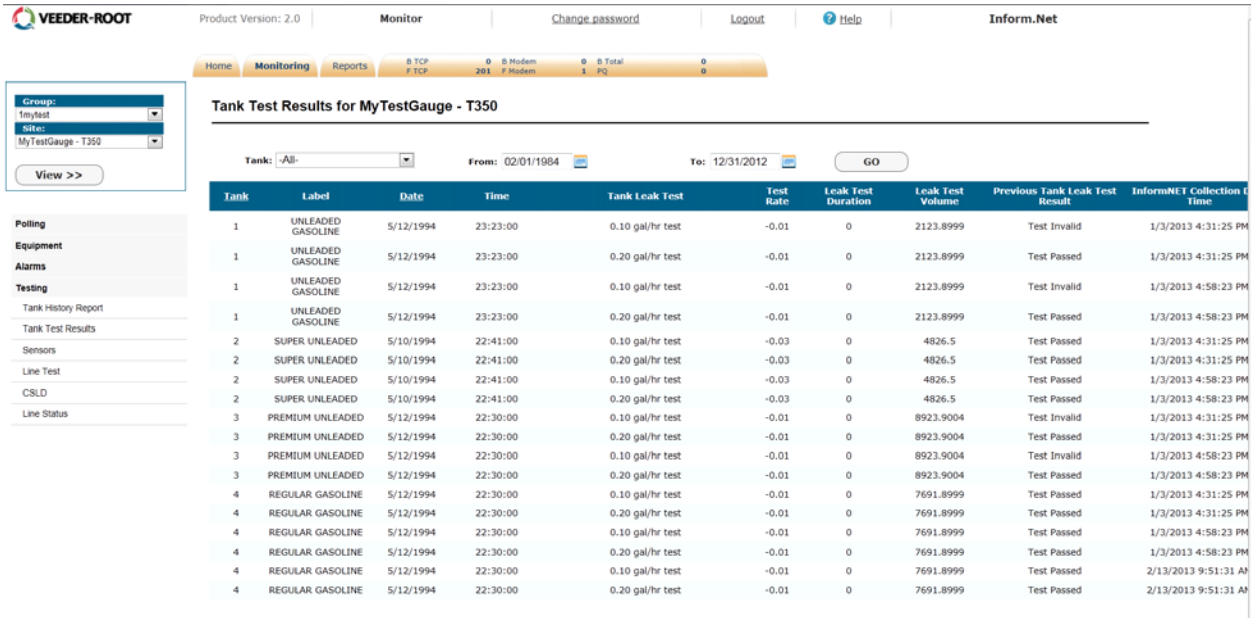
4.15 ACCESS TANK TEST RESULTS

To view tank test results, the User must select the "Tank Test Results" link located under the "Testing" section. The User will be prompted to select a:

- Tank (drop down menu)
- Date range (defaulted)

Once selections are made, a table containing data for factors such as Tank Leak Test and Test Rate will display for examination.

Data may be divided into multiple pages. If this is the case, there will be links at the bottom of the table to navigate from one page to the other.



Tank	Label	Date	Time	Tank Leak Test	Test Rate	Leak Test Duration	Leak Test Volume	Previous Tank Leak Test Result	InformNET Collection Time
1	UNLEADED GASOLINE	5/12/1994	23:23:00	0.10 gal/hr test	-0.01	0	2123.8999	Test Invalid	1/3/2013 4:31:25 PM
1	UNLEADED GASOLINE	5/12/1994	23:23:00	0.20 gal/hr test	-0.01	0	2123.8999	Test Passed	1/3/2013 4:31:25 PM
1	UNLEADED GASOLINE	5/12/1994	23:23:00	0.10 gal/hr test	-0.01	0	2123.8999	Test Invalid	1/3/2013 4:58:23 PM
1	UNLEADED GASOLINE	5/12/1994	23:23:00	0.20 gal/hr test	-0.01	0	2123.8999	Test Passed	1/3/2013 4:58:23 PM
2	SUPER UNLEADED	5/10/1994	22:41:00	0.10 gal/hr test	-0.03	0	4826.5	Test Passed	1/3/2013 4:31:25 PM
2	SUPER UNLEADED	5/10/1994	22:41:00	0.20 gal/hr test	-0.03	0	4826.5	Test Passed	1/3/2013 4:31:25 PM
2	SUPER UNLEADED	5/10/1994	22:41:00	0.10 gal/hr test	-0.03	0	4826.5	Test Passed	1/3/2013 4:58:23 PM
2	SUPER UNLEADED	5/10/1994	22:41:00	0.20 gal/hr test	-0.03	0	4826.5	Test Passed	1/3/2013 4:58:23 PM
3	PREMIUM UNLEADED	5/12/1994	22:30:00	0.10 gal/hr test	-0.01	0	8923.9004	Test Invalid	1/3/2013 4:31:25 PM
3	PREMIUM UNLEADED	5/12/1994	22:30:00	0.20 gal/hr test	-0.01	0	8923.9004	Test Passed	1/3/2013 4:31:25 PM
3	PREMIUM UNLEADED	5/12/1994	22:30:00	0.10 gal/hr test	-0.01	0	8923.9004	Test Invalid	1/3/2013 4:58:23 PM
3	PREMIUM UNLEADED	5/12/1994	22:30:00	0.20 gal/hr test	-0.01	0	8923.9004	Test Passed	1/3/2013 4:58:23 PM
4	REGULAR GASOLINE	5/12/1994	22:30:00	0.10 gal/hr test	-0.01	0	7691.8999	Test Passed	1/3/2013 4:31:25 PM
4	REGULAR GASOLINE	5/12/1994	22:30:00	0.20 gal/hr test	-0.01	0	7691.8999	Test Passed	1/3/2013 4:31:25 PM
4	REGULAR GASOLINE	5/12/1994	22:30:00	0.10 gal/hr test	-0.01	0	7691.8999	Test Passed	1/3/2013 4:58:23 PM
4	REGULAR GASOLINE	5/12/1994	22:30:00	0.20 gal/hr test	-0.01	0	7691.8999	Test Passed	1/3/2013 4:58:23 PM
4	REGULAR GASOLINE	5/12/1994	22:30:00	0.10 gal/hr test	-0.01	0	7691.8999	Test Passed	2/13/2013 9:51:31 AM
4	REGULAR GASOLINE	5/12/1994	22:30:00	0.20 gal/hr test	-0.01	0	7691.8999	Test Passed	2/13/2013 9:51:31 AM

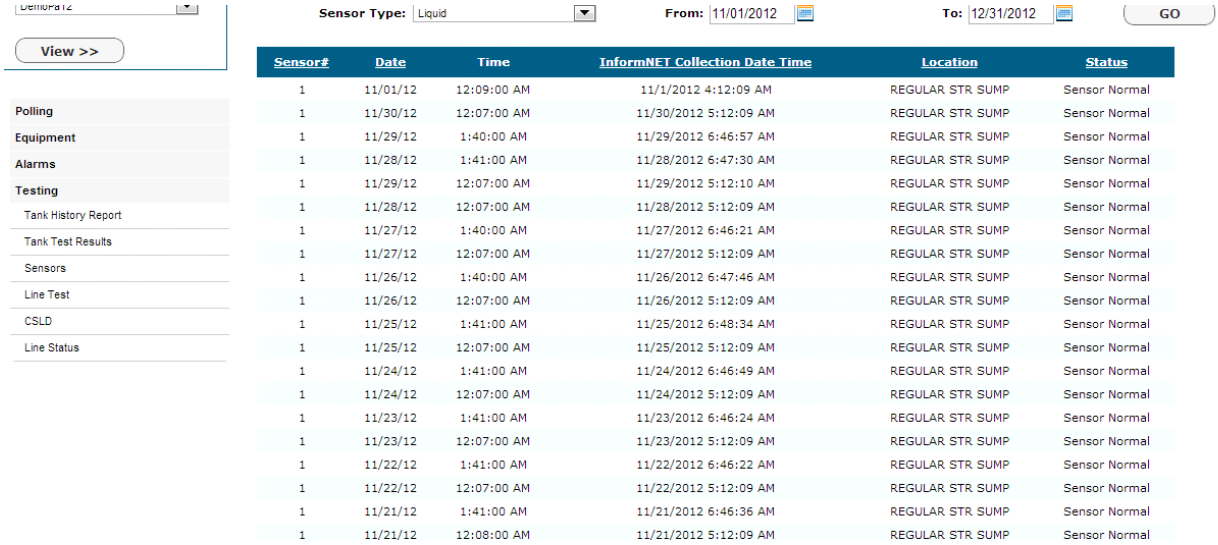
Figure 18. Tank Test Results

4.16 ACCESS SENSORS

To view data for sensors, the User must select the "Sensors" link located under the "Testing" section. The User will be prompted to select a:

- Sensor Type (drop down menu)
- Date range (defaulted)

Once selections are made, a table containing data for factors such as Inform.NET Collection Time Date, Location, and Status will display for examination.



Sensor#	Date	Time	InformNET Collection Date Time	Location	Status
1	11/01/12	12:09:00 AM	11/1/2012 4:12:09 AM	REGULAR STR SUMP	Sensor Normal
1	11/30/12	12:07:00 AM	11/30/2012 5:12:09 AM	REGULAR STR SUMP	Sensor Normal
1	11/29/12	1:40:00 AM	11/29/2012 6:46:57 AM	REGULAR STR SUMP	Sensor Normal
1	11/28/12	1:41:00 AM	11/28/2012 6:47:30 AM	REGULAR STR SUMP	Sensor Normal
1	11/29/12	12:07:00 AM	11/29/2012 5:12:10 AM	REGULAR STR SUMP	Sensor Normal
1	11/28/12	12:07:00 AM	11/28/2012 5:12:09 AM	REGULAR STR SUMP	Sensor Normal
1	11/27/12	1:40:00 AM	11/27/2012 6:46:21 AM	REGULAR STR SUMP	Sensor Normal
1	11/27/12	12:07:00 AM	11/27/2012 5:12:09 AM	REGULAR STR SUMP	Sensor Normal
1	11/26/12	1:40:00 AM	11/26/2012 6:47:46 AM	REGULAR STR SUMP	Sensor Normal
1	11/26/12	12:07:00 AM	11/26/2012 5:12:09 AM	REGULAR STR SUMP	Sensor Normal
1	11/25/12	1:41:00 AM	11/25/2012 6:48:34 AM	REGULAR STR SUMP	Sensor Normal
1	11/25/12	12:07:00 AM	11/25/2012 5:12:09 AM	REGULAR STR SUMP	Sensor Normal
1	11/24/12	1:41:00 AM	11/24/2012 6:46:49 AM	REGULAR STR SUMP	Sensor Normal
1	11/24/12	12:07:00 AM	11/24/2012 5:12:09 AM	REGULAR STR SUMP	Sensor Normal
1	11/23/12	1:41:00 AM	11/23/2012 6:46:24 AM	REGULAR STR SUMP	Sensor Normal
1	11/23/12	12:07:00 AM	11/23/2012 5:12:09 AM	REGULAR STR SUMP	Sensor Normal
1	11/22/12	1:41:00 AM	11/22/2012 6:46:22 AM	REGULAR STR SUMP	Sensor Normal
1	11/22/12	12:07:00 AM	11/22/2012 5:12:09 AM	REGULAR STR SUMP	Sensor Normal
1	11/21/12	1:41:00 AM	11/21/2012 6:46:36 AM	REGULAR STR SUMP	Sensor Normal
1	11/21/12	12:08:00 AM	11/21/2012 5:12:09 AM	REGULAR STR SUMP	Sensor Normal

Figure 19. Sensors

4.17 ACCESS LINE TEST

To view the Line Test data, the User must select the "Line Test" link located under the "Testing" section. The User will be prompted to select a:

- Leak Detector Type (drop down menu)
- Date range (defaulted).

Once selections are made, a table containing data for factors such as Inform.NET Collection Time Date, Threshold, and Compliance Excluded will display for examination.

This page is directly accessible through the "Tests" link provided in the Home page.

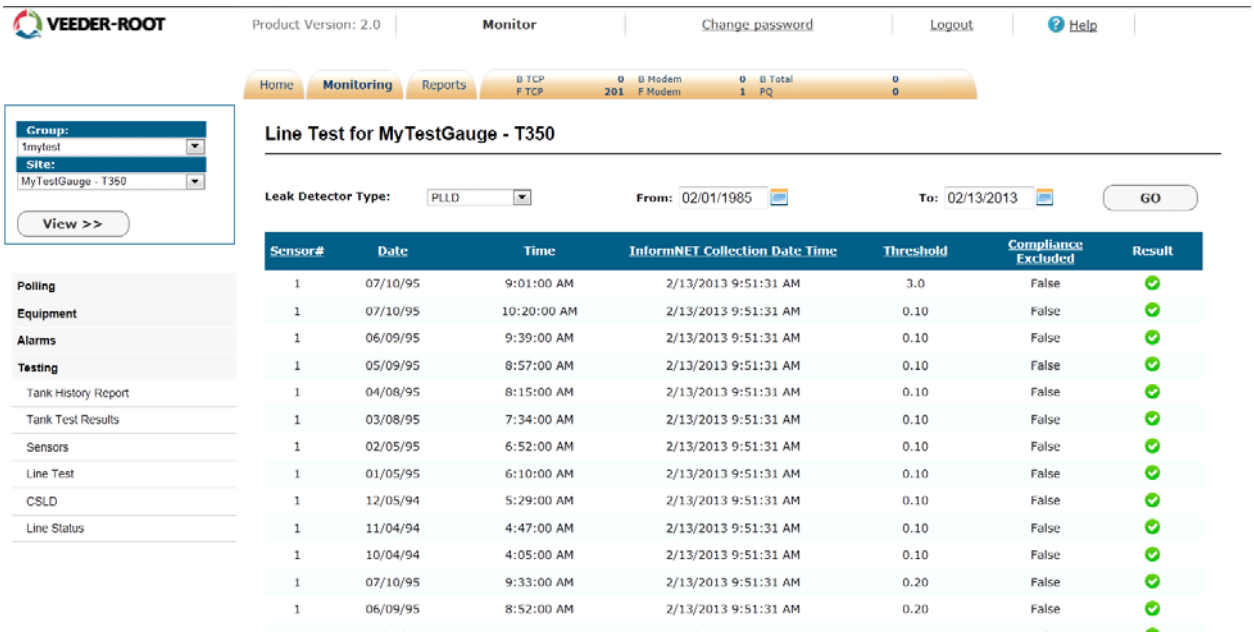


Figure 20. Line Test

4.18 ACCESS CSLD

To view data for CSLD, the User must select the "CSLD" link located under the "Testing" section. The User will be prompted to select a:

- Date range (defaulted)

Under the Results column, the User will see a green circle with a check or a red circle with an "X". The User may interpret these symbols as a Pass or Fail for each test, accordingly.

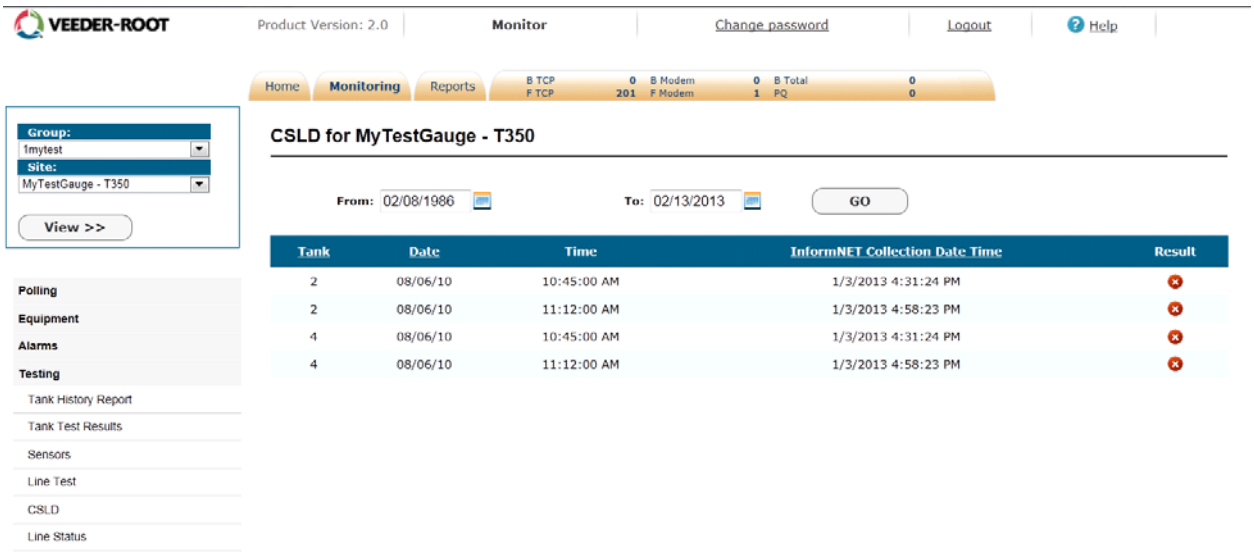


Figure 21. CSLD

4.19 ACCESS LINE STATUS

To view data for Line Status, the User must select the "Line Status" link located under the "Testing" section.

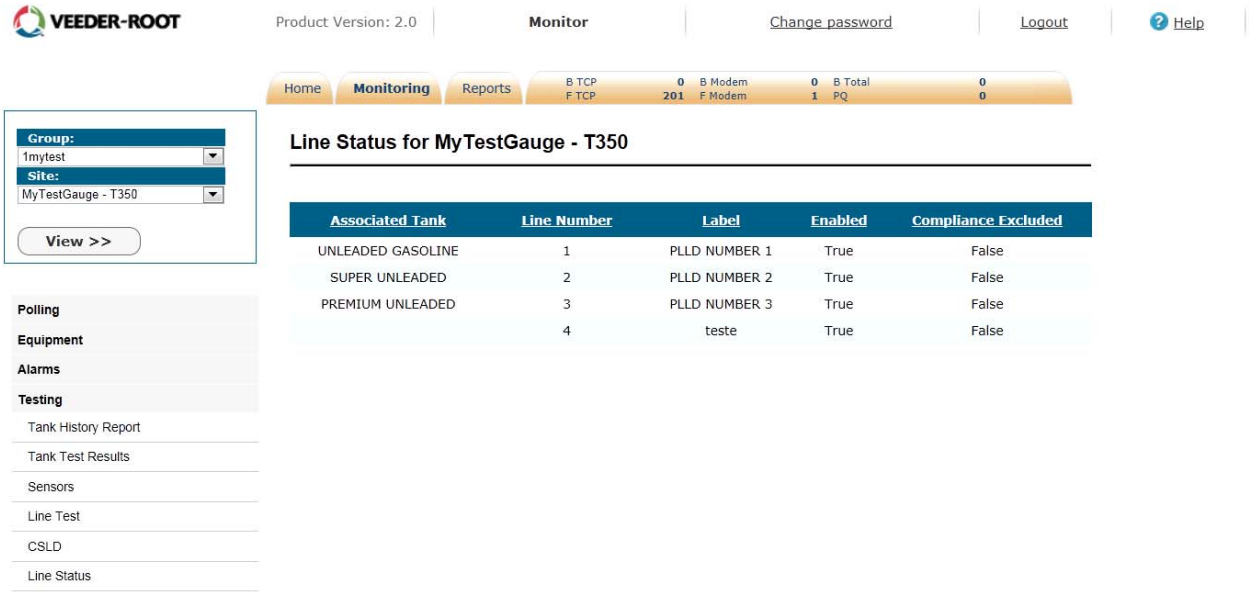


Figure 22. Line Status

4.20 DISPLAY TANK HISTORY REPORT, TANK TEST RESULTS, SENSORS, LINE TEST, CSLD AND LINE STATUS FOR A DIFFERENT GROUP/SITE

To display information of a different Group or a different Site, the User must use the drop down menus located in the upper left hand corner of the page to select a:

- Group
- Site

After selections are made, the User must click on "View". The User will be taken back to the default landing page (Equipment), so they will have to re-select the "Testing" tab to view one of these categories.

5.0 ON DEMAND REPORTS

Every user has the ability to perform on demand reports. Under the "Reports" tab, users may select from a series of pre-made reports or they may click the link "Create New Report" to create a custom report.

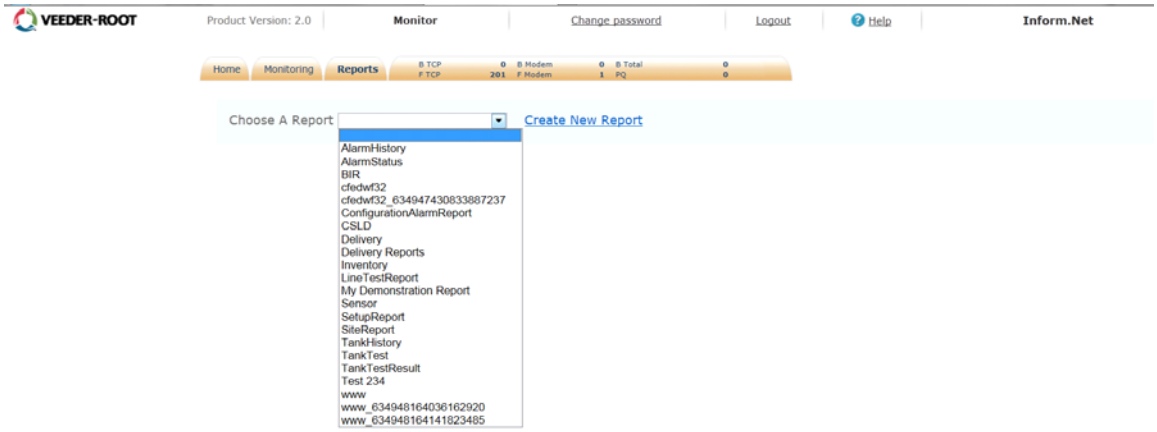


Figure 23. Reports Page

Once a report is selected, users can select date range, group, site or sites as well as other parameters based on the report selected.

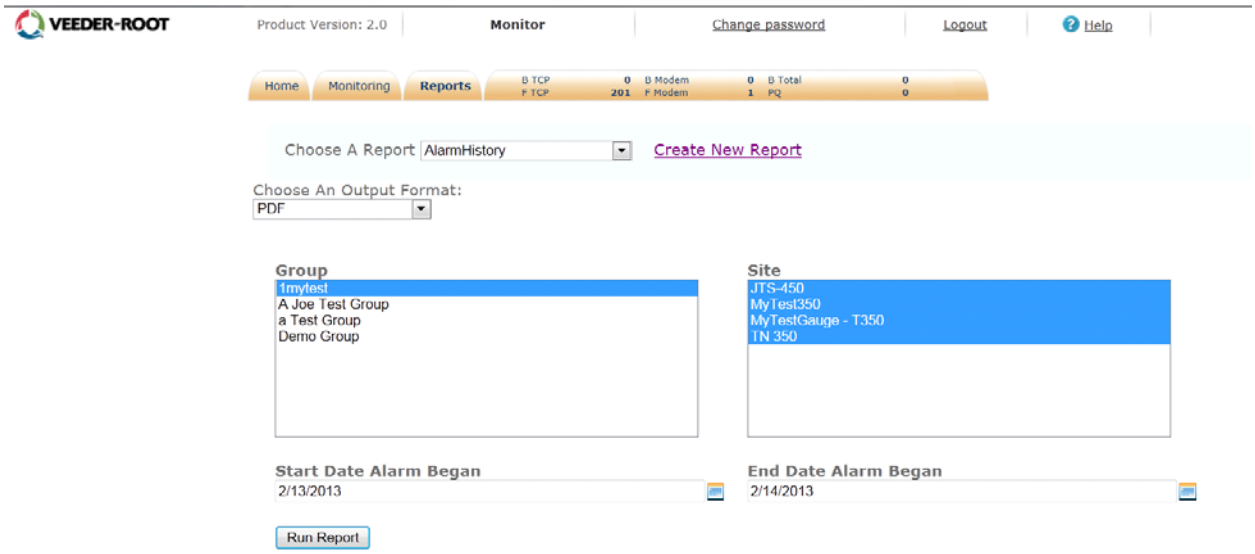


Figure 24. Reports Page – Report Type

When creating a custom report, the report wizard will guide you through every step. The first step is to select the type of data you wish to be reported. Next define which columns the report should contain. Select which fields you wish to set search criteria against, then choose the method of sorting. All that is left is to name the report and then save.

The report will be visible as a pre-made report on the main Report tab.

Figure 25. Reports Page – Custom Report

6.0 POLLING DASHBOARD

This page displays data for Resource Information, Busy Resources Information, and Polling Queue Information. Selecting the last tab will allow the User to access the Polling Dashboard as well as the listed information.

The User may hit the "Refresh" button to update the dashboard for the most current information.

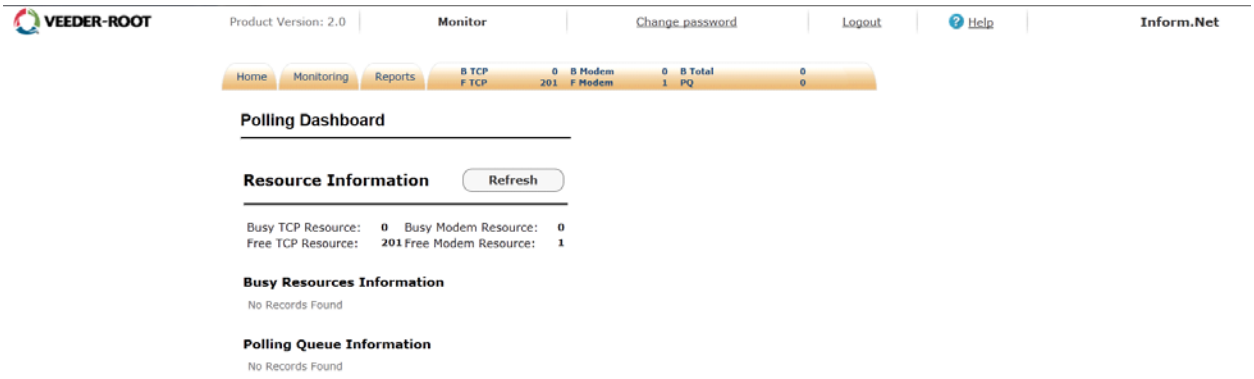


Figure 26. Polling Dashboard Page

7.0 CHANGE PASSWORD

To change the User password, the User must click on the "Change Password" link located at the upper right hand corner of the page.

This link can be accessed no matter what tab or page the User is in.

The User must hit the "Save" button in order to successfully store the new password.

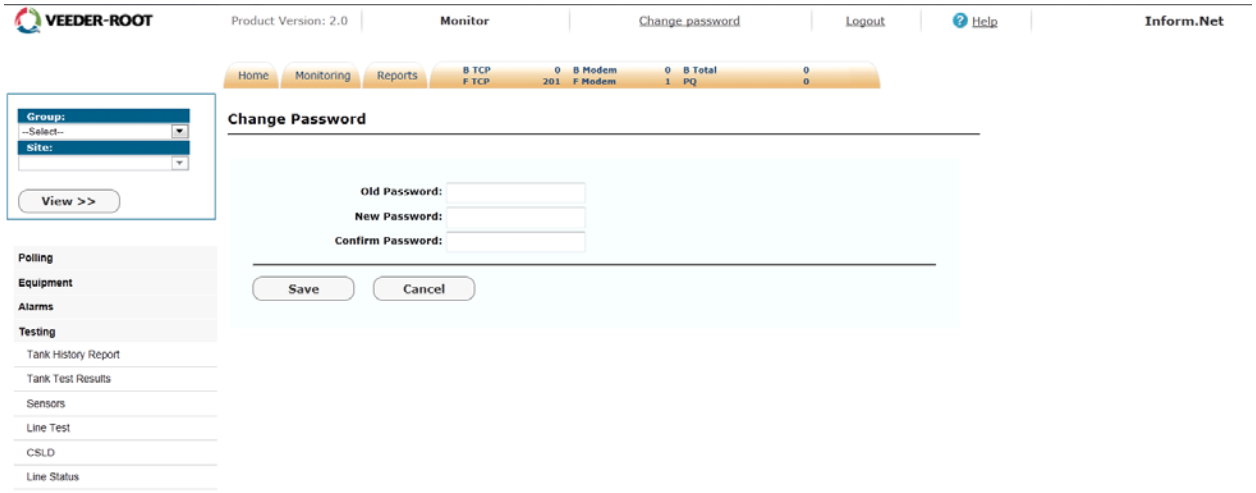


Figure 27. Change Password Page

8.0 GENERAL USAGE OF WIDGETS AND DATA ENTRY

Type	Function	Icon
Calendar	This feature is a link that will generate a pop up window that displays a calendar with a monthly view when clicked on. The user may navigate between months and select a specific date by using the provided dropdown menus at the top. User must click on a specific date in order for the date to populate automatically.	
Sorter	This feature is a link in which specific headers are highlighted in blue and under-lined. Clicking on this link will allow the user to organize the corresponding list in alphabetical, numerical, and/or reverse order.	Test
Dropdown w/ checkboxes	This feature allows the user to choose more than one item in a dropdown menu. There are checkboxes available next to each item within the dropdown, and the user simply has to check the box of each desired item.	
Tank Icons (Home page)	This feature is a link that allows the user to view a generalized summary of a tank and/or navigate to the specified tanks page. If the user moves the cursor over a specific tank, a pop up window that displays tank details will generate automatically. If the user wishes to view the tanks page, they simply have to click on desired tank icon.	
Green Circle with Check	This feature is an icon that will appear in the testing pages under the column titled "Results". This icon represents the particular test has passed.	
Red Circle with 'X'	This feature is an icon that will appear in the testing pages under the column titled "Results". This icon represents the particular test has failed.	

Figure 28. General Usage of Widgets and Data Entry

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