

ATEK Intelligence Platform

for



Instruction Guide



Model TSM1000



Model TSC



Model TSU1000



Model TSM8000



AIP (ATEK Intelligence Platform)	4
-----------------------------------------------	----------

Log In	4
---------------------	----------

AIP Navigation	5
-----------------------------	----------

a. Menu Tabs	5
---------------------------	----------

1 Views Menu	5
---------------------------	----------

2 Grids Menu	5
---------------------------	----------

3 Actions Menu	6
-----------------------------	----------

b. Customizing the View	6
--------------------------------------	----------

1 Sort by Column	6
-------------------------------	----------

2 Drag and Drop Column Order	7
-------------------------------------------	----------

3 Add and Remove Columns	7
---------------------------------------	----------

c. Filtering the View	8
------------------------------------	----------

d. Viewing Tank Details	10
--------------------------------------	-----------

1 For Monitors Used in Single Tank Applications	11
--------------------------------------------------------------	-----------

2 For Monitors Used in Tank Farm Applications	13
------------------------------------------------------------	-----------

3 View all Tanks	15
-------------------------------	-----------

4 View on Map	16
----------------------------	-----------

e. Reporting	17
---------------------------	-----------

Account Setup and Editing	20
----------------------------------------	-----------

a. Select the Administration Console	20
---------------------------------------------------	-----------

b. Create a New Location	20
---------------------------------------	-----------

c. Edit an Existing Location	22
-------------------------------------------	-----------

d. Single Tank Monitor System Setup – for TSU1000/TSM1000 Monitors	23
---------------------------------------------------------------------------------	-----------

1 Create a New Gateway	23
-------------------------------------	-----------

2 Edit an Existing Gateway	25
-----------------------------------------	-----------

3 Create a New Tank	26
----------------------------------	-----------

4 Edit an Existing Tank	28
--------------------------------------	-----------

5 Provision a Tank	29
---------------------------------	-----------

6 Duplicate a Tank	35
---------------------------------	-----------

Account Setup and Editing (cont.)

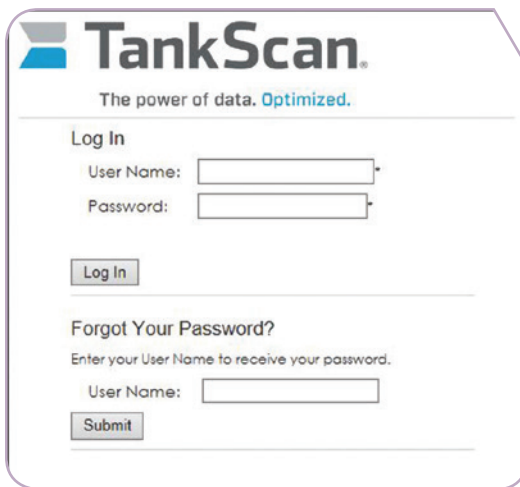
e. TSC System Setup	37
1 Create a New Gateway	37
2 Edit an Existing Gateway	39
3 Create a New Tank	40
4 Edit an Existing Tank	42
5 Provision a Tank	43
6 Duplicate a Tank	47
f. Tank Farm Monitor System Setup – for TSM8000/TSM1000 Monitors	49
1 Create a New Gateway	49
2 Edit an Existing Gateway	51
3 Create a New Tank	52
4 Edit an Existing Tank	54
5 Provision a Tank	55
6 Duplicate a Tank	61
g. Administration (Admin)	63
1 Districts	63
2 Users	65
3 Configure Asset Types	68
ATEK Tech Support	69

AIP (ATEK Intelligence Platform)

AIP is a secure, web-based portal designed to set up, provision, and manage assets and data. Throughout this guide there are references to ATEK Technical Support. They can be reached at 877-874-7226 or CCT@tankscan.com.

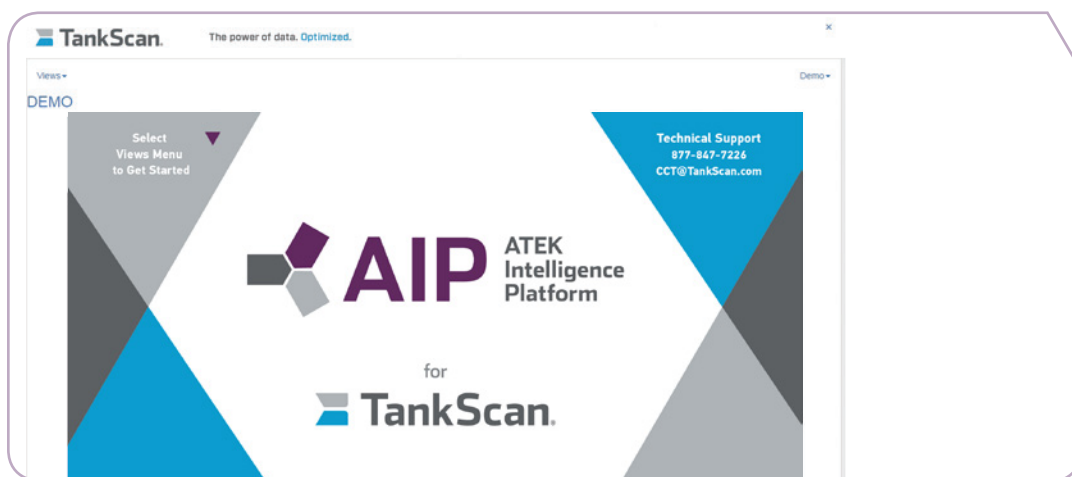
Log In

- Open an internet browser and type in URL **mytankscan.com** to bring up AIP login page or **www.TankScan.com** to bring up TankScan home page, and then click on **CUSTOMER LOGIN** in upper right hand corner.
- Type in login credentials and click **Log In**. Login credentials are provided by ATEK Technical Support.



The screenshot shows the TankScan login interface. At the top is the TankScan logo and the tagline "The power of data. Optimized." Below this is a "Log In" section with two input fields: "User Name:" and "Password:". A "Log In" button is positioned below the password field. Underneath the login section is a "Forgot Your Password?" link, followed by the instruction "Enter your User Name to receive your password." and a "User Name:" input field with a "Submit" button.

- Landing page opens.



AIP Navigation

a. Menu Tabs

These menu tabs can be used to navigate within AIP. Select **Views** then **Tanks** on landing page to get started.

1 Views Menu

Views menu items provide following services:

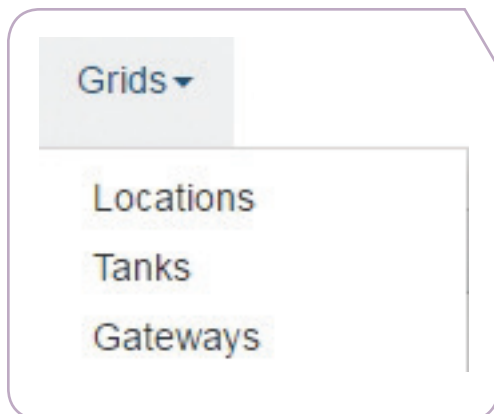
- Home** – Brings user back to landing page
- Tanks** – Displays tank monitor information for account's tanks.
- Reporting** – Brings user to Reporting section of AIP



2 Grids Menu

Grids menu items provide the following services:

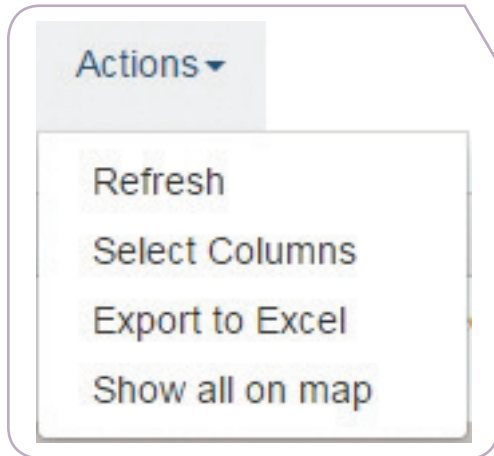
- Locations** – Displays information on all account locations
- Tanks** – Displays tank monitor information for all account's tanks
- Gateways** – Displays information for all account's gateways



3 Actions Menu

Actions menu items provide the following services:

- f. **Refresh** – Refreshes page to display updated information
- g. **Select Columns** – Allows user to select which columns are displayed
- h. **Export to Excel** – Exports displayed information to Excel®
- i. **Show all on map** – Shows on map all tanks for this account. Tank locations are indicated by color coded map markers that also provide alert status.

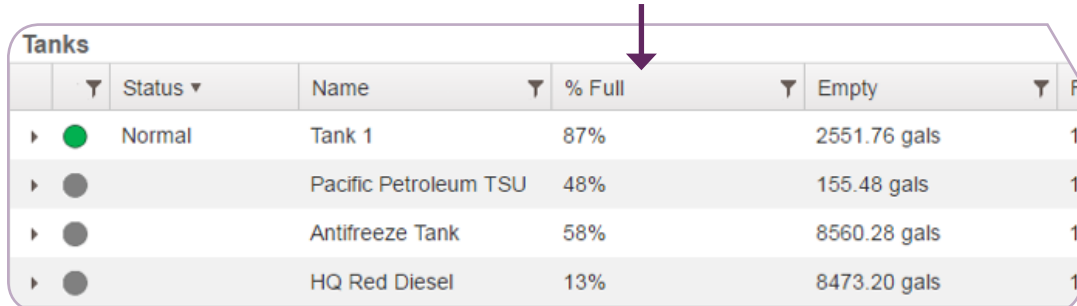


b. Customizing the View

Customizing works the same way for Locations, Gateways, and Tanks pages. Start on Views menu then select **Tanks**. Under Grids menu, select **Locations**, **Gateways**, or **Tanks** and do the following.

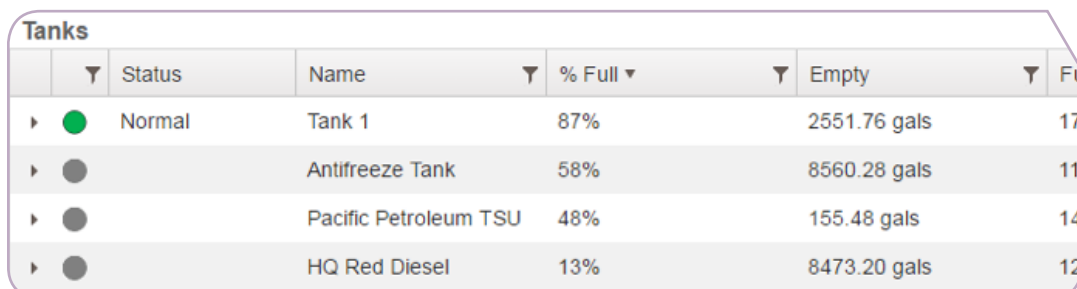
1 Sort by Column

- Click on desired column heading to resort all displayed information.




	▼	Status ▼	Name	▼	% Full ▼	▼	Empty	▼	F
▶	●	Normal	Tank 1		87%		2551.76 gals		1
▶	●		Pacific Petroleum TSU		48%		155.48 gals		1
▶	●		Antifreeze Tank		58%		8560.28 gals		1
▶	●		HQ Red Diesel		13%		8473.20 gals		1

After sorting (descending).



	▼	Status	Name	▼	% Full ▼	▼	Empty	▼	F
▶	●	Normal	Tank 1		87%		2551.76 gals		17
▶	●		Antifreeze Tank		58%		8560.28 gals		11
▶	●		Pacific Petroleum TSU		48%		155.48 gals		14
▶	●		HQ Red Diesel		13%		8473.20 gals		12


Sorting again (ascending).



	▼	Status	Name	▼	% Full ▲	▼	Empty	▼	Full
▶	●		HQ Red Diesel		13%		8473.20 gals		128
▶	●		Pacific Petroleum TSU		48%		155.48 gals		143
▶	●		Antifreeze Tank		58%		8560.28 gals		118
▶	●	Normal	Tank 1		87%		2551.76 gals		176

2 Drag and Drop Column Order

- Click on desired column heading and drag to a new position then release.



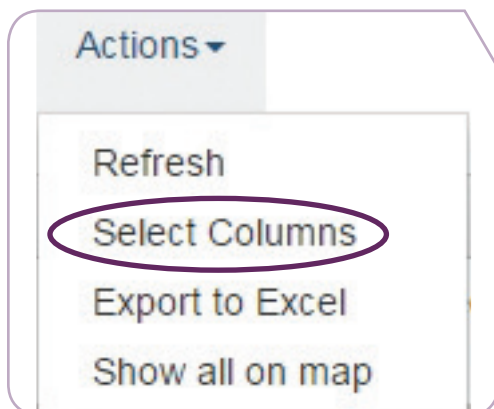
	▼	Status ▼	Name	▼	% Full	▼	Empty	▼	Full
▶	●	Normal	Tank 1		87%		2551.76 gals		1
▶	●		Pacific Petroleum TSU		48%		155.48 gals		1
▶	●		Antifreeze Tank		58%		8560.28 gals		1
▶	●		HQ Red Diesel		13%		8473.20 gals		1

After repositioning.

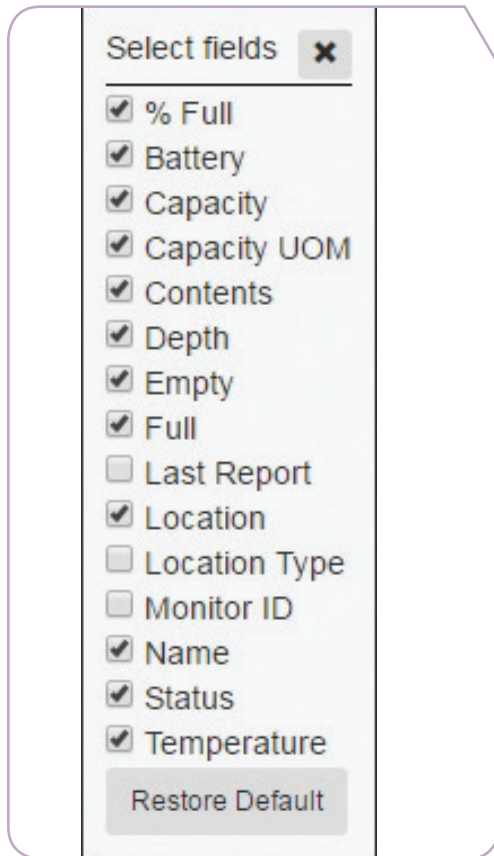
	▼	Name	▼	Status ▼	% Full	▼	Empty	▼	Full
▶	●	Tank 1		Normal	87%		2551.76 gals		176
▶	●	Pacific Petroleum TSU			48%		155.48 gals		143
▶	●	Antifreeze Tank			58%		8560.28 gals		118
▶	●	HQ Red Diesel			13%		8473.20 gals		128

3 Add and Remove Columns

- Click on **Actions** menu then click **Select Columns**.




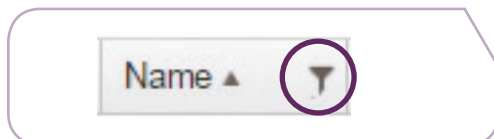
- Check box to add field /column, uncheck box to remove it. Changes will apply and save automatically.



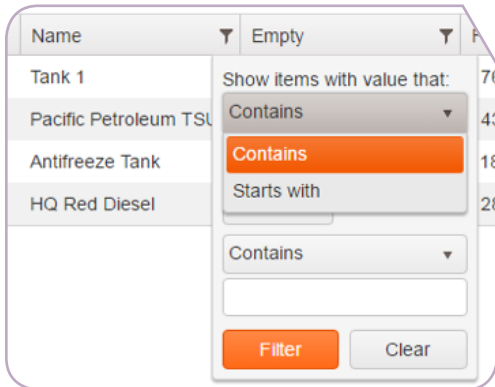
- Click **X** button to remove **Select fields** menu.

c. Filtering the View

- Click on **filter**  icon in column header to open a drop-down menu. Menu items vary depending on data type in column.

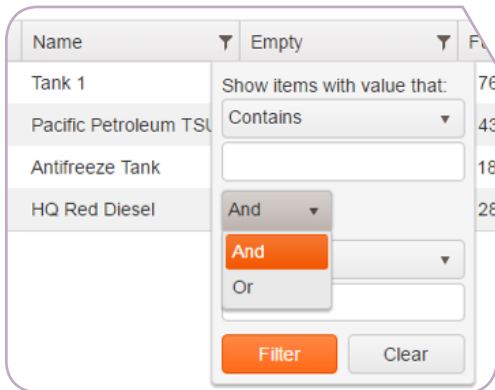


- Click on **Show items with value** that parameter drop-down menu and select type of filter.



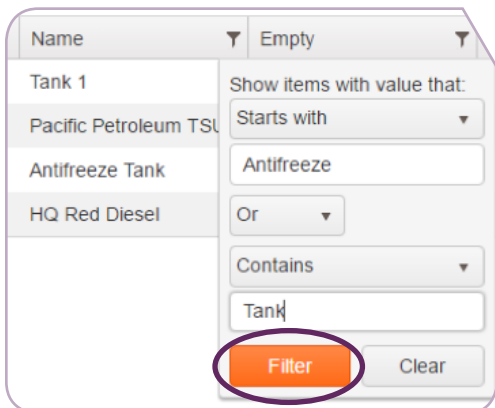
The screenshot shows a table with columns 'Name' and 'Empty'. The 'Name' column contains the following items: Tank 1, Pacific Petroleum TSL, Antifreeze Tank, and HQ Red Diesel. A dropdown menu is open over the table, displaying the text 'Show items with value that:'. Below this text, there are two options: 'Contains' (highlighted in orange) and 'Starts with'. At the bottom of the dropdown, there is a text input field and two buttons: 'Filter' (orange) and 'Clear' (grey).

- Select a conjunction to use if needed.



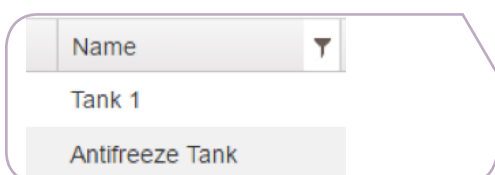
The screenshot shows the same table and dropdown menu as the previous step. The dropdown menu is open, and the 'And' conjunction is selected (highlighted in orange). Below the 'And' option, there is a text input field and two buttons: 'Filter' (orange) and 'Clear' (grey).

- Enter filter value(s) and click on **Filter**.



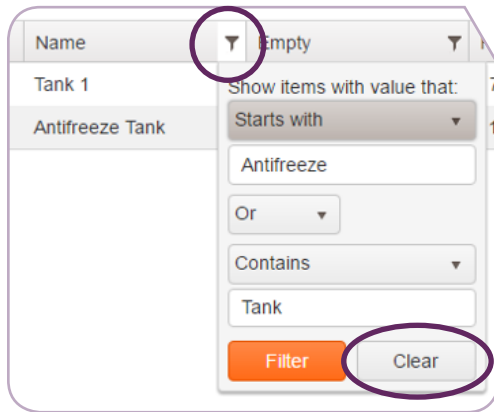
The screenshot shows the same table and dropdown menu. The dropdown menu is open, and the 'Starts with' option is selected. Below this option, the text 'Antifreeze' is entered into the input field. Below the input field, there is a text input field with the text 'Tank' and two buttons: 'Filter' (orange, highlighted with a red circle) and 'Clear' (grey).

- Notice that display table is now filtered and filter button's background color is white.



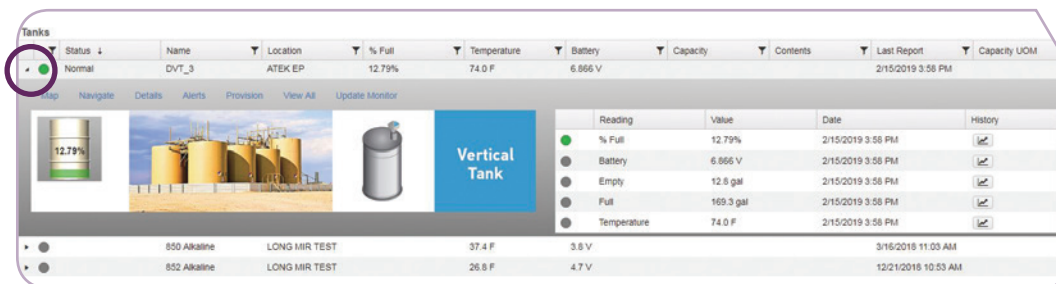
The screenshot shows the filtered table. The 'Name' column contains the following items: Tank 1 and Antifreeze Tank. The 'Filter' button is now white.






- Remove filters by clicking on **Filter** icon and clicking on **Clear**.



d. Viewing Tank Details

- Select **Tanks** from **Grids** menu.
- Click on **Rotating Triangle** icon  on left side of a row to show additional information about tank.



Reading	Value	Date	History
% Full	12.79%	2/15/2019 3:58 PM	
Battery	6.966 V	2/15/2019 3:58 PM	
Empty	12.8 gal	2/15/2019 3:58 PM	
Full	169.3 gal	2/15/2019 3:58 PM	
Temperature	74.0 F	2/15/2019 3:58 PM	

- Notice additional buttons are displayed above tank's picture:
 - Map** – View map location of Gateway, Location, or Tank
 - Navigate** – Opens Google Maps and navigates to tank location
 - Details** – Displays additional details specified during asset set up about Location or Tank. Can only be edited from Administration Console
 - Alerts** – Displays alert history of tank
 - Provision** – Allows users to map incoming monitor parameters to actual tank, specify alerts for each parameter, and apply strapping tables to tank level readings
 - See **Provision Tank Instructions** under **Account Setup & Editing** to provision tanks
 - View All** – Displays all tanks at this tank location
 - Update Monitor** – Allows users to modify tank monitor reporting settings

1 For Monitors Used in Single Tank Applications

- Select **Update Monitor**.



- Update Monitor** page appears.

Parameter Name	Value	Units
Report Interval	6	Hours
Fixed Report #1	6	Hour
Fixed Report #2	0	Hour
Measurement Interval	60	Minutes
Measurement Threshold	15	inches of air gap

Update Monitor Cancel Changes

- Report Interval** Number of hours between monitor reports to AIP, values: 1 – 24. Report Interval timer resets after each Fixed Report. This has a direct impact on battery life, less frequent reporting results in longer battery life.
- Fixed Report #1** – Fixed time of day for monitor to send a report to AIP, values: 0 disabled, 1 – 24 hours Universal Time Coordinated (UTC) time with 1 being 1:00 am and 24 being midnight. Example: North America without daylight savings time, desire 1:00 PM (13:00) CST report so set Fixed Report #1 to 19 for 19:00 UTC. With daylight savings time then set Fixed Report #1 to 18 for 18:00 UTC.
- Fixed Report #2** – Same as Fixed Report #1
- Measurement Interval** – Number of minutes monitor sleeps then wakes to take a tank level reading, values: 15, 30, 60 and any value 61 – 1440 is rounded to nearest hour. Typically, Measurement Interval is set to same interval length as Report Interval except when used with Measurement Threshold parameter. **Measurement Interval** must not be set greater than **Report Interval**.
- Measurement Threshold** – Inches of tank level change to cause immediate report to AIP, values: 0 disabled, 0 - 100. Each time monitor wakes up, due to Report Interval, Fixed Report, or Measurement Interval, it takes a level reading and accumulates any change in level from last time a report was sent to AIP. Once this accumulated change exceeds the Measurement Threshold value, in either an increase or decrease fashion, a report is sent to AIP and accumulated change is reset to zero. This process begins again next time a level is measured. Example: Measurement Threshold is set to 9 inches. A tank level measurement is taken each time monitor wakes up. Any change in level is accumulated and if that accumulated change exceeds 9 inches in either direction, then a report is sent to AIP.

Update Monitor

Asset: TSU900013AB
Location: ATEK EP
Last Saved: 12/20/2019 10:07:53 PM UTC

Parameter Name	Value	Units
Report Interval	1	Hours
Fixed Report #1	0	24 Hour UTC
Fixed Report #2	0	24 Hour UTC
Measurement Interval	60	Minutes
Measurement Threshold	0	Inches
GPS Enabled	1	No=0/Yes=1
GPS Upload Every Report	0	No=0/Yes=1

Update Monitor
Cancel Changes

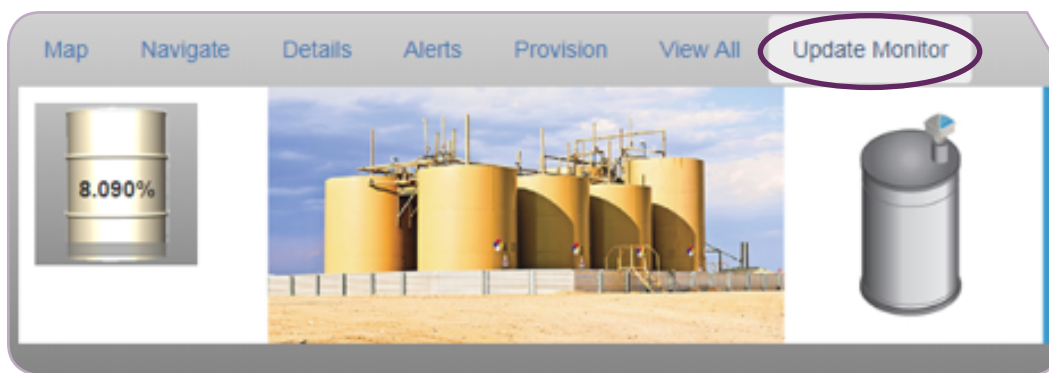
For TSU1000 and TSM1000 monitors with Global Positioning System (GPS) functionality their location is determined from satellites and updated automatically to AIP. This feature is controlled with **GPS Enabled** and **GPS Upload Every Report** parameters. Because GPS services uses more data and shortens battery life it is by default set to only report location once a day.

Note: Reporting position multiple times a day will substantially consume more data and shorten battery life.

- **GPS Enabled** – Turns location function on and off, values: 0 disabled and 1 on; default is 1.
- **GPS Upload Every Report** – Determines number of times location information is sent to AIP, values: 0 location sent once a day and 1 location sent with every monitor report; default is 0.
- Make Changes in appropriate fields and click **Update Monitor**. Do this when setting up monitor for first time even if no parameter values are changed.

2 For Monitors Used in Tank Farm Applications

- Select **Update Monitor**.



- Configuration window opens.

Send Configuration to Monitor

Tank Id: 6858

Monitor: 000005B0

Last configuration sent: 1/11/2016 2:25 P

Report Interval: hours ▼








Reader Interval: hours ▼


Delta Threshold: inches

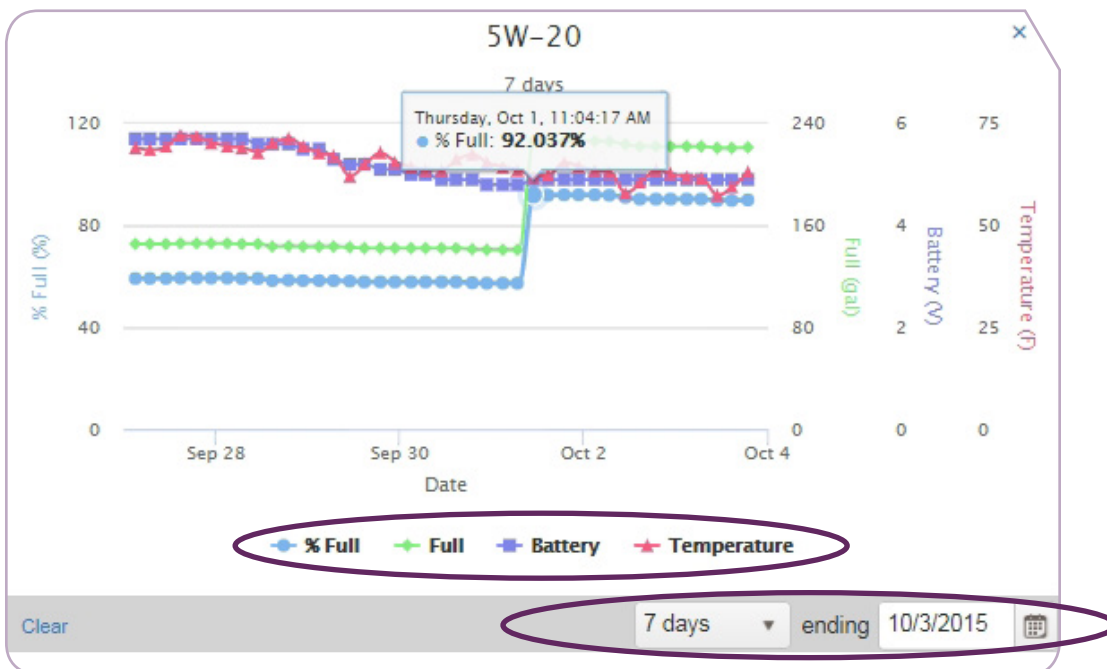
- Monitor** – monitor ID number
 - Last configuration sent** – time and date of late configuration sent to monitor
 - Report Interval** – time interval between reports from monitor, monitor awakens, takes a level reading, reports, and goes back to sleep
 - Reader Interval** – time interval between monitor level measurements, monitor awakens, takes a level reading, checks thresholds and only reports if a threshold has been exceeded, then goes back to sleep.
Reader Interval must not be set greater than **Report Interval**.
 - Delta Threshold** – absolute change in level threshold value (inches) from one measurement to the next that if exceeded will cause the monitor to report level immediately. Set to 0 to disable.
- Make changes in appropriate fields and click on **Send Configuration**.

WARNING! Shorter reporting time intervals of TSM Monitors and frequent crossing of Delta Threshold conditions will decrease monitor battery life and cause an increase in data usage with a potential for data plan overages of cellular gateways.

- Note table to right of tank picture which displays last readings uploaded by tank's monitor.

	Reading	Value	Date	History
	% Full	38%	6/12/2017 2:01 PM	
	Empty	185.87 gals	6/12/2017 2:01 PM	
	Full	113.03 gals	6/12/2017 2:01 PM	
	Temperature	71.33 F	6/12/2017 2:01 PM	

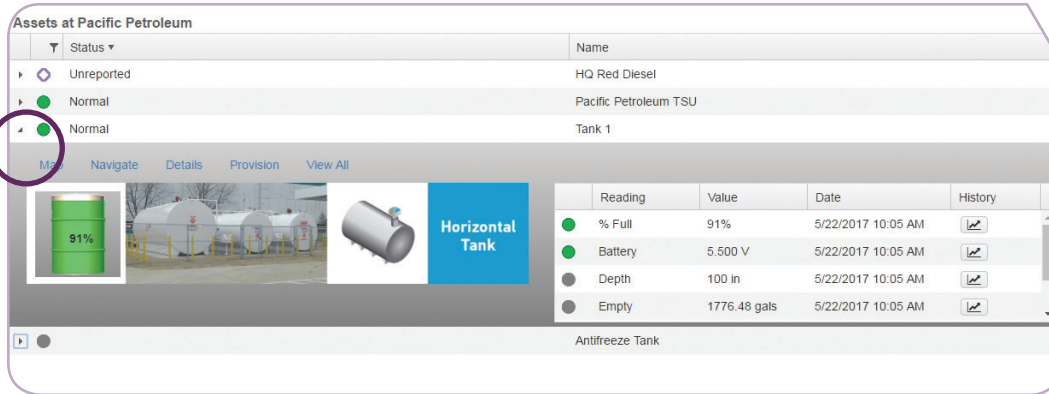
- Click on **graph**  button under **History** column to quickly view readings. Clicking on multiple graph buttons will display multiple graph lines.
For a more detailed history report, see **Reporting** section.
- Hovering over a data point on graph will show a date/time stamp and its specific reading.
- Chart window's timespan can be changed by picking an ending date or one of seven preset time periods from controls in lower right corner.
- When more than one reading is displayed, individual readings can be turned on/off by selecting their label at bottom of chart.



3 View all Tanks

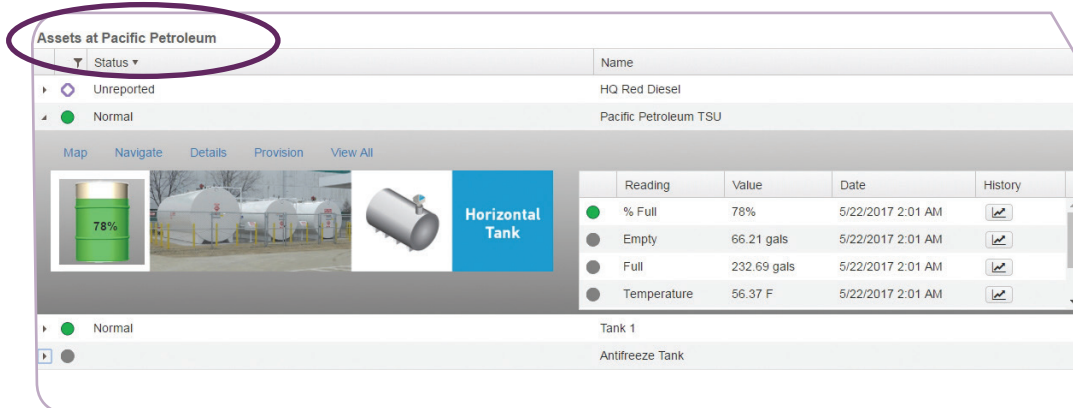
All tanks at a location can be viewed in one table.

- Click on **Rotating Triangle** icon of a location or tank then click **View All**.



Reading	Value	Date	History
% Full	91%	5/22/2017 10:05 AM	
Battery	5.500 V	5/22/2017 10:05 AM	
Depth	100 in	5/22/2017 10:05 AM	
Empty	1776.48 gals	5/22/2017 10:05 AM	

- A new screen appears showing all tanks for that location. Tanks with alerts are shown first.



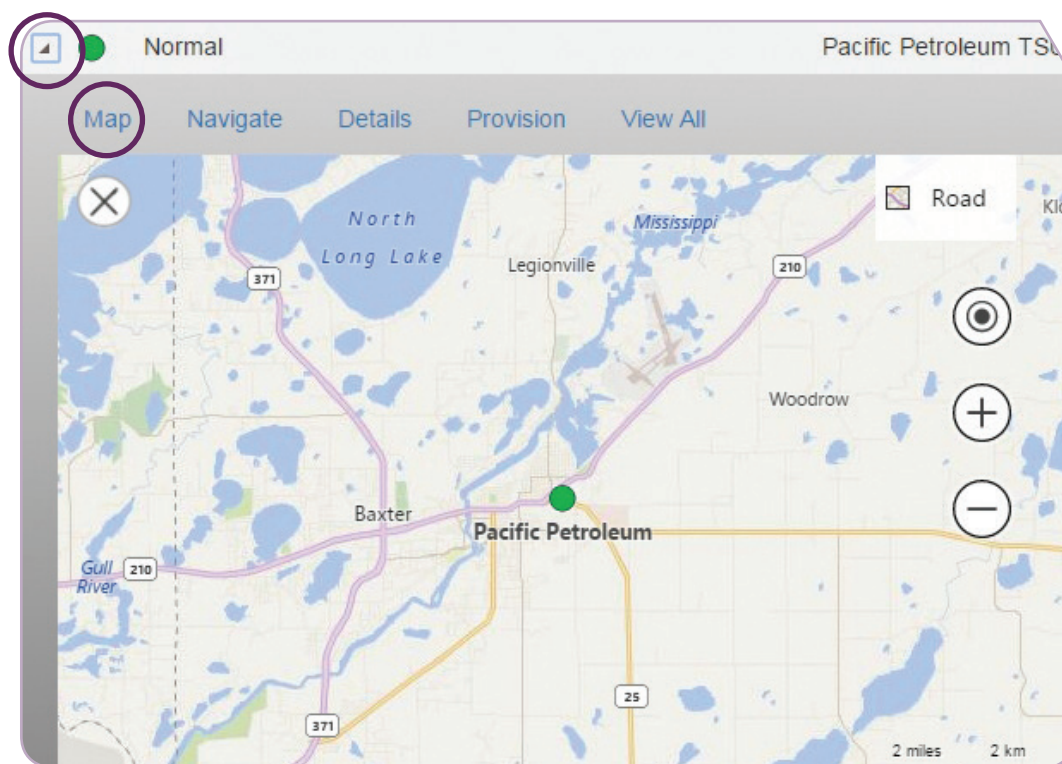
Reading	Value	Date	History
% Full	78%	5/22/2017 2:01 AM	
Empty	66.21 gals	5/22/2017 2:01 AM	
Full	232.69 gals	5/22/2017 2:01 AM	
Temperature	56.37 F	5/22/2017 2:01 AM	

- Select **Locations**, **Gateways** or **Tanks** from **Grids** menu to view all tanks or locations.

4 View on Map

To view map positions of Locations, Gateways, or Tanks, a validated address or longitude and latitude coordinates must be entered for Location associated with that Gateway and Tank.

- Click on **Rotating Triangle** icon of a Location, Gateway, or Tank then click on **Map** button.

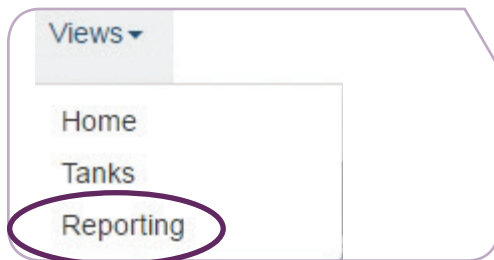


- A map will appear and an icon will be placed at position of Location, Gateway, or Tank.
- Zoom in/out of map by using buttons on right hand side or by using mouse scroll wheel.
- Hover over **Road** to choose alternate **Aerial** or **Streetside** views.
- Clicking on **Navigate** will display position in a new browser page .
- Close map by clicking on **X** in upper left hand corner.

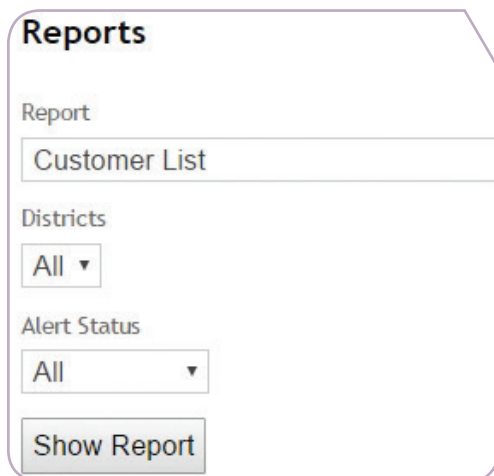
e. Reporting

Generating Reports

- Click on **Views** menu then click **Reporting**. This opens a new browser tab.

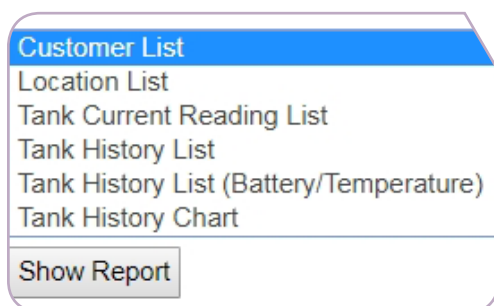


- Reports window will open.



A screenshot of the 'Reports' window. It has a title bar 'Reports'. Below it is a 'Report' dropdown menu with 'Customer List' selected. Below that is a 'Districts' dropdown menu with 'All' selected. Below that is an 'Alert Status' dropdown menu with 'All' selected. At the bottom is a 'Show Report' button.

- Select type of report from **Report** drop-down box.



A screenshot of the 'Report' dropdown menu. The menu is open, showing a list of report types: 'Customer List', 'Location List', 'Tank Current Reading List', 'Tank History List', 'Tank History List (Battery/Temperature)', and 'Tank History Chart'. The 'Customer List' option is highlighted in blue. At the bottom is a 'Show Report' button.

- Customer List** – provides a listing of customers for this account
- Location List** – provides a listing of all locations for this account
- Tank Current Reading List** – provides a listing of most current tank readings
- Tank History List** (Battery/Temperature) - (% Full/Full) - provides a listing of tank full percentages/gallons over a date range
- Tank History Chart** – provides a chart of tank readings over a date range

- When a type of report is chosen, this view refreshes with menu options appropriate for that type of report.

Reports

Report
 Tank History List ▼

Districts
 All ▼

Alert Status
 All ▼

Locations
 All ▼

Assets
 All ▼

Start date
 1D 2D 7D 1M 3M 6M 9M 1Y Prior to end date
 08/07/2017

End date
 08/14/2017

Show Report

- Select which district from **Districts** drop-down box.
- Select which **Alert Status** to report on from drop-down box.

Alert Status

All ▼

All

Minor

Warning

Critical

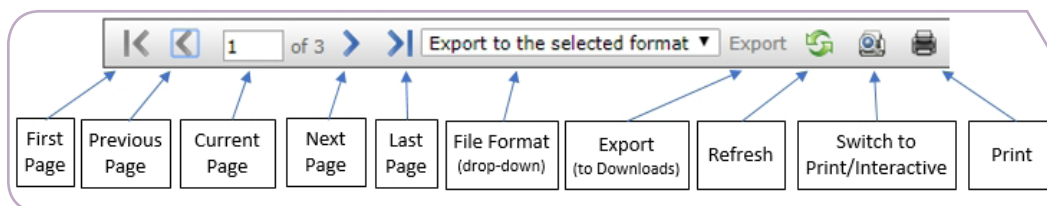
Unreported

- a. **All** – report created for all alert conditions including no alerts
 - b. **Minor** – report created for readings where Minor alerts were caused
 - c. **Warning** – report created for readings where Warning alerts were caused
 - d. **Critical** – report created for readings where Critical alerts were caused
 - e. **Unreported** – report created for all monitors where Unreported alerts were caused
- Other filter options:
 - a. **Locations** – selection of all or a specific location
 - b. **Assets** – selection of all or a specific tank
 - c. **Start Date** – specify report start date, select from preset buttons, type in field or click drop-down arrow to show a calendar
 - d. **End Date** – specify report end date
 - e. **Show Report** – click on button to generate report

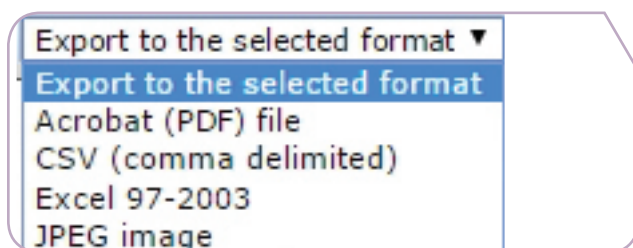
- Click on **Show Report** button to generate a report.
 - Tank history report example.

Name	Description	Location	Reading Date	% Full	Full
Tank 1		Pacific Petroleum	5/14/2017 7:04:08 PM	56	11,325.11
Tank 1		Pacific Petroleum	5/14/2017 7:49:09 PM	56	11,282.49
Tank 1		Pacific Petroleum	5/14/2017 8:34:09 PM	56	11,239.86
Tank 1		Pacific Petroleum	5/14/2017 9:19:09 PM	56	11,218.55
Tank 1		Pacific Petroleum	5/14/2017 10:04:09 PM	56	11,218.55
Tank 1		Pacific Petroleum	5/14/2017 10:49:10 PM	56	11,218.55
Tank 1		Pacific Petroleum	5/14/2017 11:34:10 PM	56	11,197.24
Tank 1		Pacific Petroleum	5/15/2017 12:19:10 AM	56	11,197.24
Tank 1		Pacific Petroleum	5/15/2017 1:04:10 AM	56	11,197.24
Tank 1		Pacific Petroleum	5/15/2017 1:49:10 AM	55	11,175.93
Tank 1		Pacific Petroleum	5/15/2017 2:34:11 AM	55	11,175.93

- Note toolbar at top of each report.



- For data exporting, choose format from drop-down box and click on **Export**.



- From **Reports** tab, click on web browser's back button to be returned to **Reporting** home page or close browser Reports window.

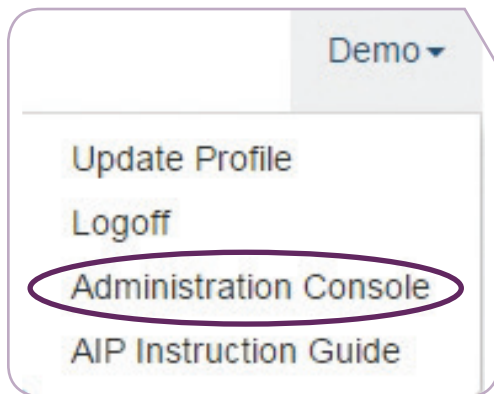
Account Setup and Editing

a. Select the Administration Console

Creation of new Locations, Gateways and Assets such as tank monitors and administration of Users, Types, and Districts is done via Administration Console. Use this console to set up new assets and AIP users.

To access Administration Console:

- Click on user name in upper right corner and select **Administration Console**.

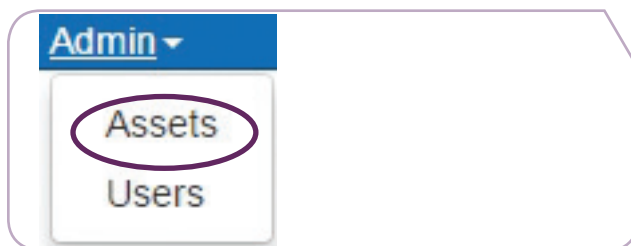


This will open a new Administration tab.

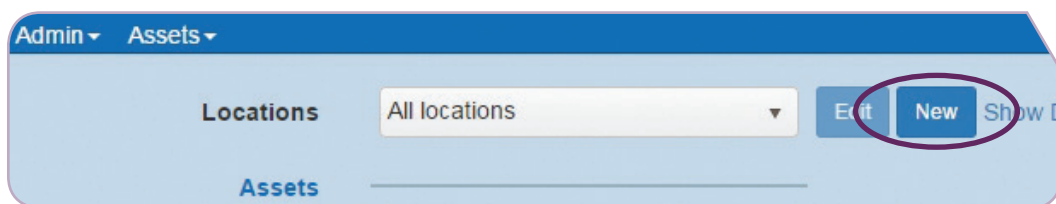
b. Create a New Location

A new location must be created before creating gateways or tanks.

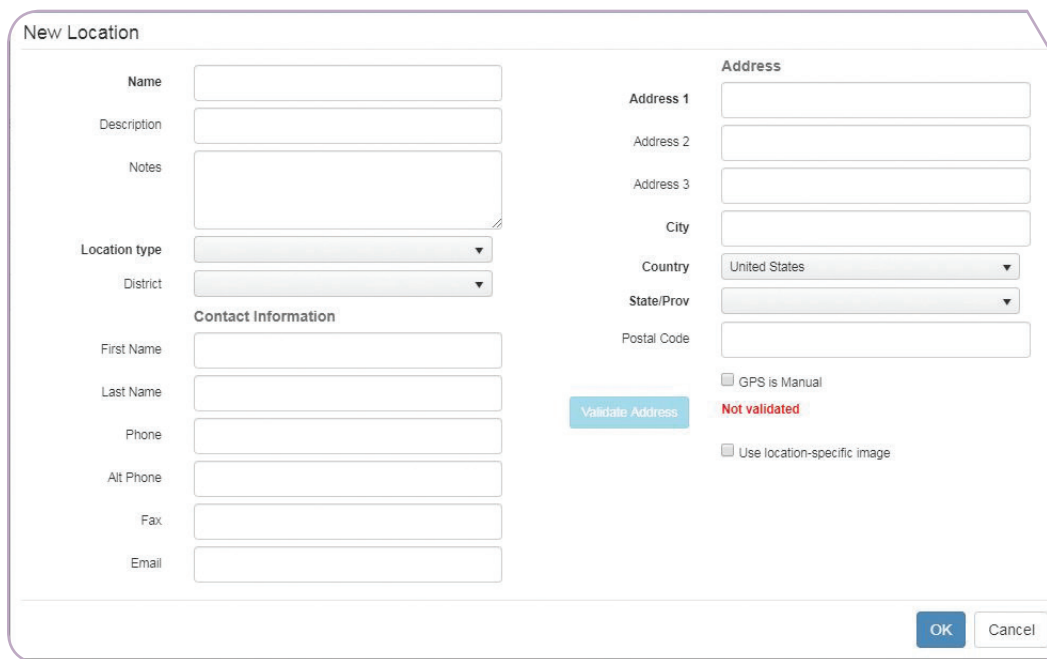
- Select **Assets** from **Admin** menu.



- Click on **New** button for **Locations**.



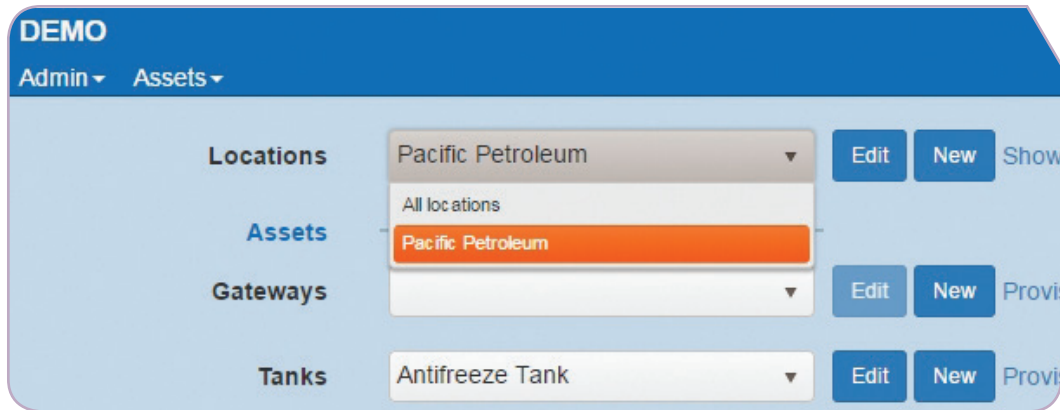
- A **New Location** window opens.



- Fill out **Name**, **Location type**, **Contact Information** and **Address** portions of form.
 - For **Location type** and **District** (if applicable), select a type from drop-down box. Selection is determined from **Assets** menu and **Configure Types** submenu.
- Specify GPS coordinates of site location (if known).
 - Click on **GPS is Manual** check box.
 - Fill in **Latitude** and **Longitude** coordinates in appropriate boxes.
- If coordinates are not known, click on **Validate Address**.
 - Validate address function ties address or GPS coordinates to location on map. An address that does not validate only affects map's ability to show site's location.
- Click on **Use location-specific image** check box to upload a picture of this location.
- Fill out **Description** and **Notes** boxes if desired.
- Click on **Save** button at top of window.
- Click on **OK** button at bottom of window.

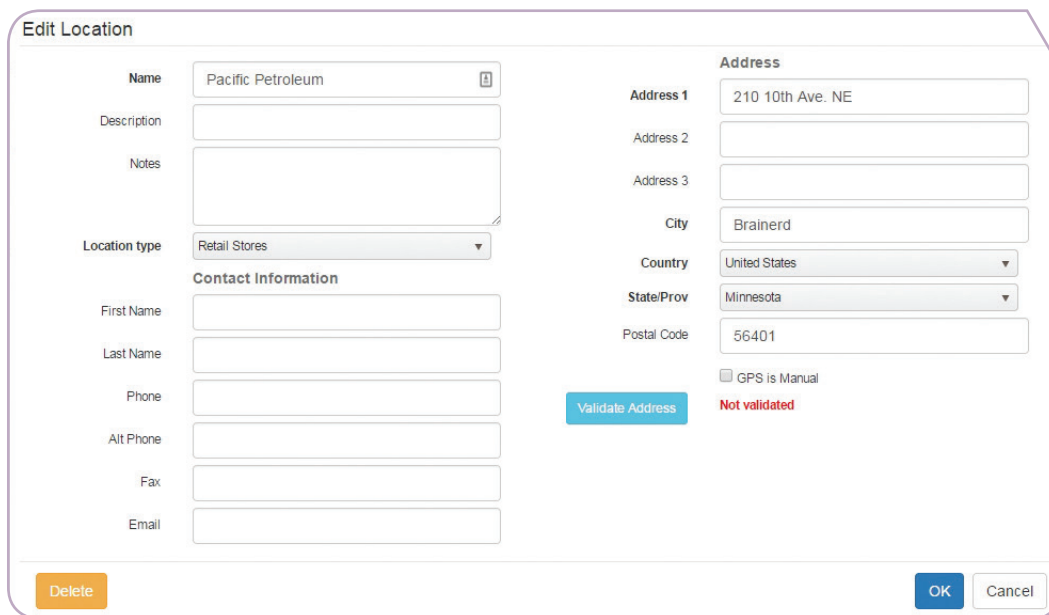
c. Edit an Existing Location

- Select **Assets** from **Admin** menu.



The screenshot shows the 'DEMO' Admin interface with the 'Assets' menu selected. On the left, there are four categories: 'Locations', 'Assets' (highlighted in blue), 'Gateways', and 'Tanks'. Each category has a corresponding dropdown menu and 'Edit' and 'New' buttons. The 'Locations' dropdown is open, showing 'Pacific Petroleum' as the selected item. The 'Assets' dropdown is also open, showing 'Pacific Petroleum' as the selected item. The 'Gateways' dropdown is open, showing 'Antifreeze Tank' as the selected item. The 'Tanks' dropdown is open, showing 'Antifreeze Tank' as the selected item.

- Click on **All Locations** drop-down, select desired location and click **Edit** to display **Edit Locations** window.
 - Modify as needed and select **OK** button.
 - To remove a location, click on **Delete** button. A delete confirmation will appear. Select **OK** or **Cancel** to proceed.



The screenshot shows the 'Edit Location' window. It contains several fields for location information:

- Name:** Pacific Petroleum
- Description:** (empty text box)
- Notes:** (empty text box)
- Location type:** Retail Stores
- Contact Information:**
 - First Name: (empty text box)
 - Last Name: (empty text box)
 - Phone: (empty text box)
 - Alt Phone: (empty text box)
 - Fax: (empty text box)
 - Email: (empty text box)
- Address:**
 - Address 1: 210 10th Ave. NE
 - Address 2: (empty text box)
 - Address 3: (empty text box)
 - City: Brainerd
 - Country: United States
 - State/Prov: Minnesota
 - Postal Code: 56401

At the bottom right, there is a 'Validate Address' button and a status indicator that says 'Not validated'. At the bottom left, there is a 'Delete' button. At the bottom right, there are 'OK' and 'Cancel' buttons.

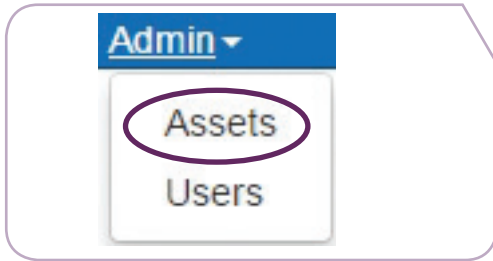
d. Single Tank Monitor System Setup – for TSU1000/TSM1000 Monitors

1 Create a New Gateway

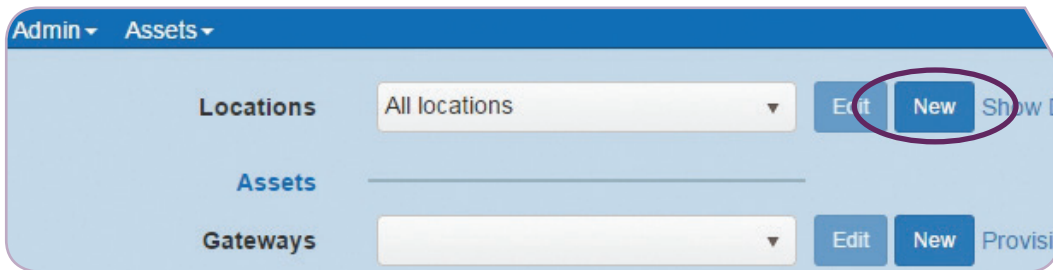
Note: Single tanks system monitors communicate directly to AIP and serve as their own gateway.

A new location must be created before creating a gateway.

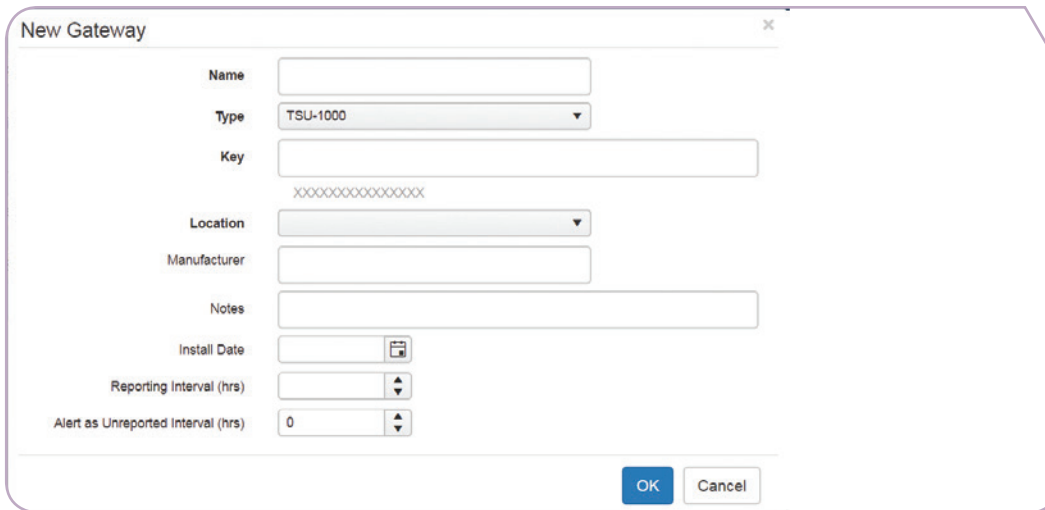
- Select **Admin**, then **Assets**.



- Click on **New** button for Gateways.



- **New Gateway** window will open.
- Fill in **Name** and pick gateway **Type TSU1000** or **TSM1000** unless monitor has Global Positioning System (GPS) functionality then pick **TSU1000 GPS** or **TSM1000 GPS** from drop-down box.
 NOTE: Gateway type must match monitor model name.


 A screenshot of the 'New Gateway' window. It contains the following fields:

- Name:** A text input field.
- Type:** A dropdown menu with 'TSU-1000' selected.
- Key:** A text input field with a placeholder 'XXXXXXXXXXXXXXXX'.
- Location:** A dropdown menu.
- Manufacturer:** A text input field.
- Notes:** A text input field.
- Install Date:** A date picker.
- Reporting Interval (hrs):** A spinner control.
- Alert as Unreported Interval (hrs):** A spinner control set to '0'.

 At the bottom are 'OK' and 'Cancel' buttons.

- Select **Location** from drop-down box.

- Fill in **Key** using serial number information from monitor label.
 - Use the following format: TSU00000xxx (Example: TSU00000**151**)



Note: All information below **Location** is optional.

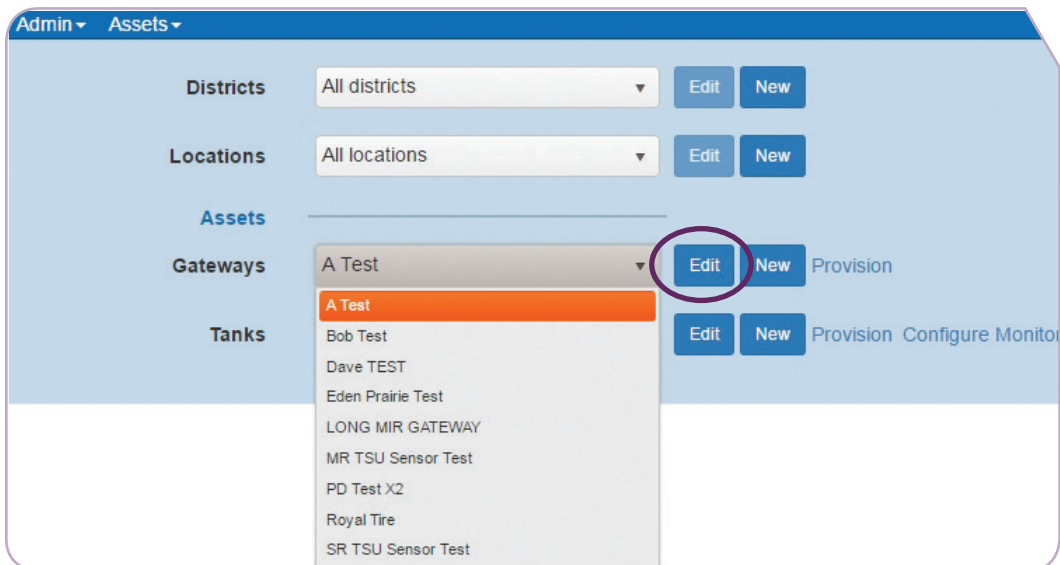
- Fill out **Manufacturer and Notes** field sections if desired.
- Fill out **Install Date** field when gateway is installed.
- **Reporting Interval** is not used and is left blank.
- **Alert as Unreported Interval** is set up by ATEK Technical Support and should be left alone.
- Click on **OK**.

2 Edit an Existing Gateway

- Select **Admin**, then **Assets**.



- Select **Gateway** from drop-down menu and then click on **Edit** to make changes to this gateway.



Edit Gateway

Name
DVT_3

Type
TSU-1000

Key
TSU90001236
XXXXXXXXXXXXXXXX

Location
ATEK EP

Manufacturer

Notes

Install Date

Reporting Interval (hrs)

Alert as Unreported Interval (hrs)
0

Delete
OK
Cancel

- If changes are made to gateway **Key**, then **Key** value must be updated for all tank parameters on each tank asset's **Provisioning** window, refer to next section.
- Click on **OK** to keep changes.

3 Create a New Tank

A new gateway must be created before creating a tank.

- Select **Admin**, then **Assets**.

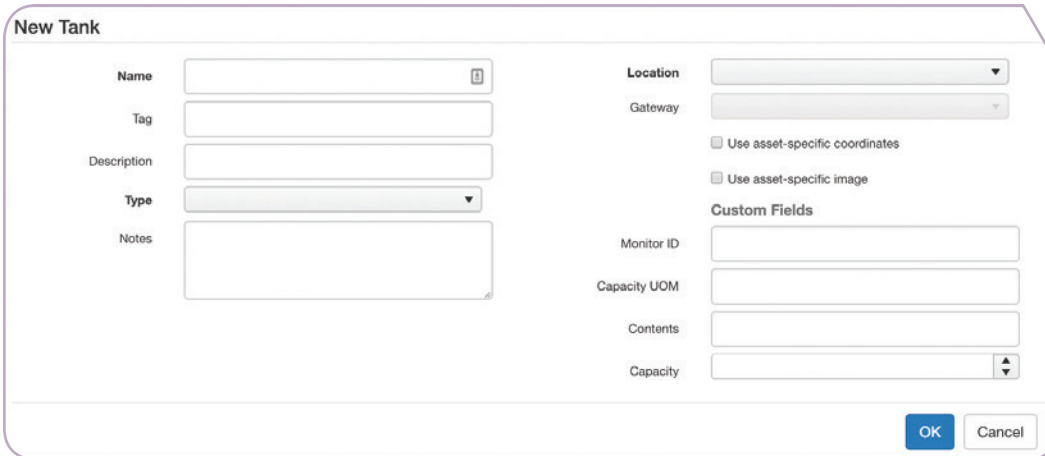
Admin
Assets
Users

- Click on **New**.



The screenshot shows the 'Admin Assets' interface. Under the 'Tanks' section, the dropdown menu is set to 'Antifreeze Tank'. The 'New' button is circled in red, indicating it should be clicked.

- **New Tank** window will open.



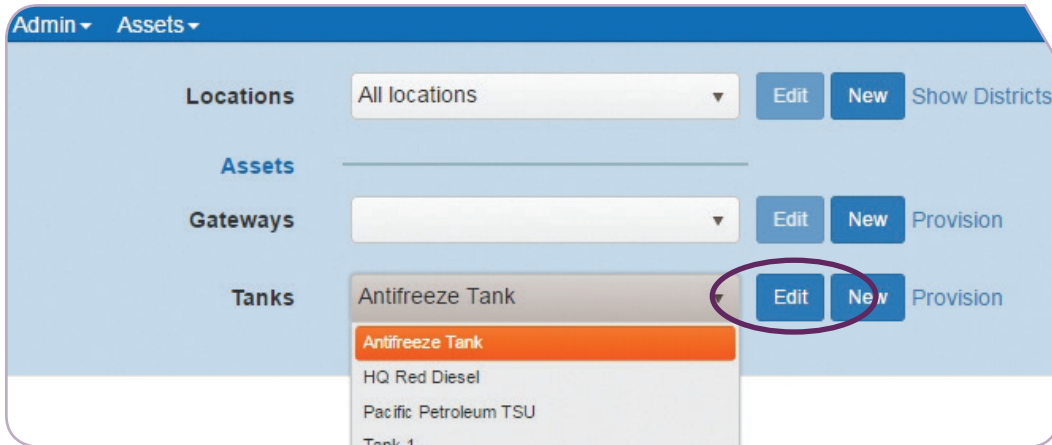
The 'New Tank' window contains the following fields and options:

- Name:** Text input field with an information icon.
- Tag:** Text input field.
- Description:** Text input field.
- Type:** Dropdown menu.
- Notes:** Text area.
- Location:** Dropdown menu.
- Gateway:** Dropdown menu.
- ☐ Use asset-specific coordinates
- ☐ Use asset-specific image
- Custom Fields:**
 - Monitor ID:** Text input field.
 - Capacity UOM:** Text input field.
 - Contents:** Text input field.
 - Capacity:** Text input field with a spinner.
- Buttons:** OK and Cancel.

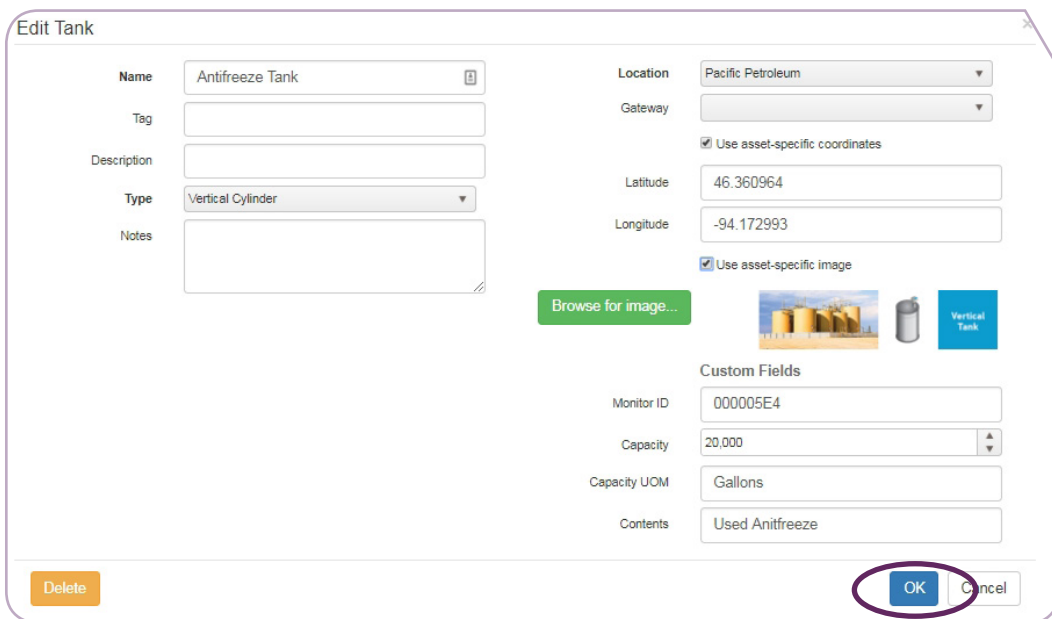
- Enter customer's tank **Name**.
- Specify a **Tag**, to display extra information about tank, if desired.
- Fill in **Description** if desired.
- Select tank **Type** from drop-down box (list is created from menu item Assets/Configure Types).
- Select **Location** from drop-down box.
- Select **Gateway** from drop-down box.
- For monitors without global positioning service feature:
 - Click on **Use asset-specific coordinates** checkbox to manually enter Latitude and Longitude values of tank, if desired.
 - Type in **Latitude**
 - Type in **Longitude**
- For monitors with global positioning service feature:
 - Do not click on **Use asset-specific coordinates** checkbox
 - Type in Monitor's model number in **Monitor ID** field, if desired.
 - Type in **Capacity UOM**, UOM means unit of measurement, examples: gal, liters.
 - Type in **Contents** of tank, (i.e. 5W-20).
 - Type in **Capacity** of tank, (i.e. 246).
 - Click on **OK**.
 - Click on **Use asset-specific image** to upload an actual tank image.

4 Edit an Existing Tank

- Select **Admin**, then **Assets**.
- Select **Tank** from drop-down menu and then click on **Edit**.



- Modify fields in **Edit Tank** window as needed.



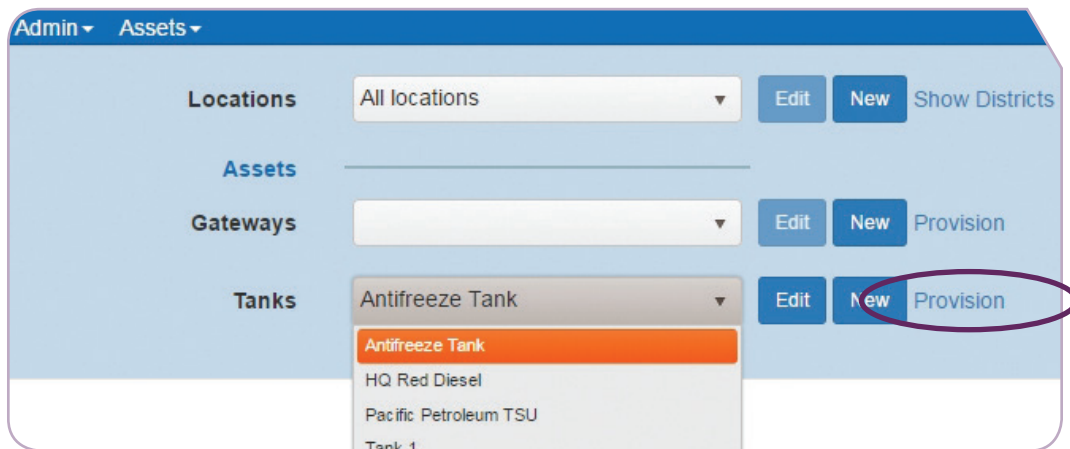
- Click on **OK** after editing tank details.

5 Provision a Tank

Provisioning allows users to map incoming monitor parameters to actual tank, specify alerts for each parameter, and to apply strapping tables to tank level readings.

Failure to provision monitors properly could resort in loss of report information.

- Select **Admin**, then **Assets**.
- Select **Tank** from drop-down menu and then click on **Provision**.



- **Provisioning** window opens.

TankScan. Provisioning

Assets Gateways

Readings for Asset: DVT_3

[Create New](#)

Name	Tag	Gateway	OutputType	SourceKey	ReadingKeys	Last Value	Last Reported	Unreported after(min)	Alerts	Verified	
DVT_3	DVT_3		% Full (%)	TSU90001236	Range	3.80%	2019-02-18 14:01:07Z		Yes	<input checked="" type="checkbox"/>	Edit Delete
DVT_3	DVT_3		Battery (V)	TSU90001236	BV	7.259 V	2019-02-18 14:01:07Z		No	<input checked="" type="checkbox"/>	Edit Delete
DVT_3	DVT_3		Temperature (F)	TSU90001236	DegC	68.7 F	2019-02-18 14:01:07Z		No	<input checked="" type="checkbox"/>	Edit Delete
DVT_3	DVT_3		Empty (gal)	TSU90001236	Range	3.8 gal	2019-02-18 14:01:07Z		No	<input checked="" type="checkbox"/>	Edit Delete
DVT_3	DVT_3		Full (gal)	TSU90001236	Range	50.3 gal	2019-02-18 14:01:07Z		No	<input checked="" type="checkbox"/>	Edit Delete

- Reading keys are assigned to monitor's reported parameters in order to display them.

Monitors have 7 parameters that can be assigned to Reading Keys:

- % Full, Full (UOM), and Empty (UOM) created from "Range"
- Battery (V) created from "BV"
- Temperature (F) or (C) created from "DegC"
- Connection Attempts created from "CA"
- Signal Strength created from "SS"

For monitors with GPS function there are two more Reading Keys to set up:

- Latitude coordinate created from "lat"
- Longitude coordinate created from "long"

- Click on **Create New** or **Edit** at **Provisioning** window for each parameter individually.

TankScan. Provisioning

Assets Gateways

Readings for Asset: DVT_3

[Create New](#)

Name	Tag	Gateway	OutputType	SourceKey	ReadingKeys	Last Value	Last Reported	Unreported after(min)	Alerts	Verified	
DVT_3		DVT_3	% Full (%)	TSU90001236	Range	3.80%	2019-02-18 14:01:07Z		Yes	✓	Edit Delete
DVT_3		DVT_3	Battery (V)	TSU90001236	BV	7.259 V	2019-02-18 14:01:07Z		No	✓	Edit Delete
DVT_3		DVT_3	Temperature (F)	TSU90001236	DegC	68.7 F	2019-02-18 14:01:07Z		No	✓	Edit Delete
DVT_3		DVT_3	Empty (gal)	TSU90001236	Range	3.8 gal	2019-02-18 14:01:07Z		No	✓	Edit Delete
DVT_3		DVT_3	Full (gal)	TSU90001236	Range	50.3 gal	2019-02-18 14:01:07Z		No	✓	Edit Delete

- Click on **Set Keys** in edit window to open fields for **Asset Name**, **Source Key** and **Reading Key 1** when editing otherwise skip.

Edit

Reading Identification

Asset Name

Source key

Reading key 1 [Set Keys](#)

Reading key 2

Reading key 3

Reading key 4

☒ Reading ☐ Command

Edit

Reading Identification

Asset Name DVT_3
Source key TSU90001236
Reading key 1 Range
Reading key 2
Reading key 3
Reading key 4
☒ Reading ☐ Command

Set Keys

Note: **Asset Name**, **Source Key** and **Reading Key** can only be changed when editing a **Reading Key**.

- Select **Asset Name** of tank this monitor belongs to from drop-down box.
- Select **Source Key** (i.e. serial number) of tank's monitor from drop-down box, source keys were set up in **Create a New Gateway** section.
- Type in **Reading Key 1**. Leave other reading key fields blank.

TSU Monitor **Reading Key 1** examples:

- % Full (%): **Range**
- Full (gal): **Range**
- Empty (gal): **Range**
- Battery (V): **BV**
- Temperature (F or C): **DegC**
- Connection Attempts: **CA**
- Signal Strength: **SS**

For monitors with GPS function there are two more Reading Keys to set up:

- Latitude Coordinate: **lat**
- Longitude Coordinate: **long**

- Click on **Reading** radio button.

- Scroll down edit window to **Processing section**:

Processing

Input UOM

Unreported after(min)

Input type

Output type

Significant digits

☐ Accumulate Values

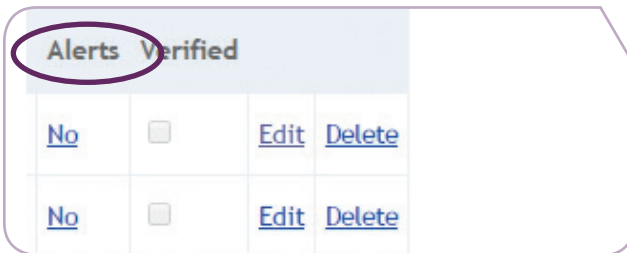
☐ Adjust Input

☒ Apply Lookup Table

Input	Output
0	100
1	100
2	100
3	100

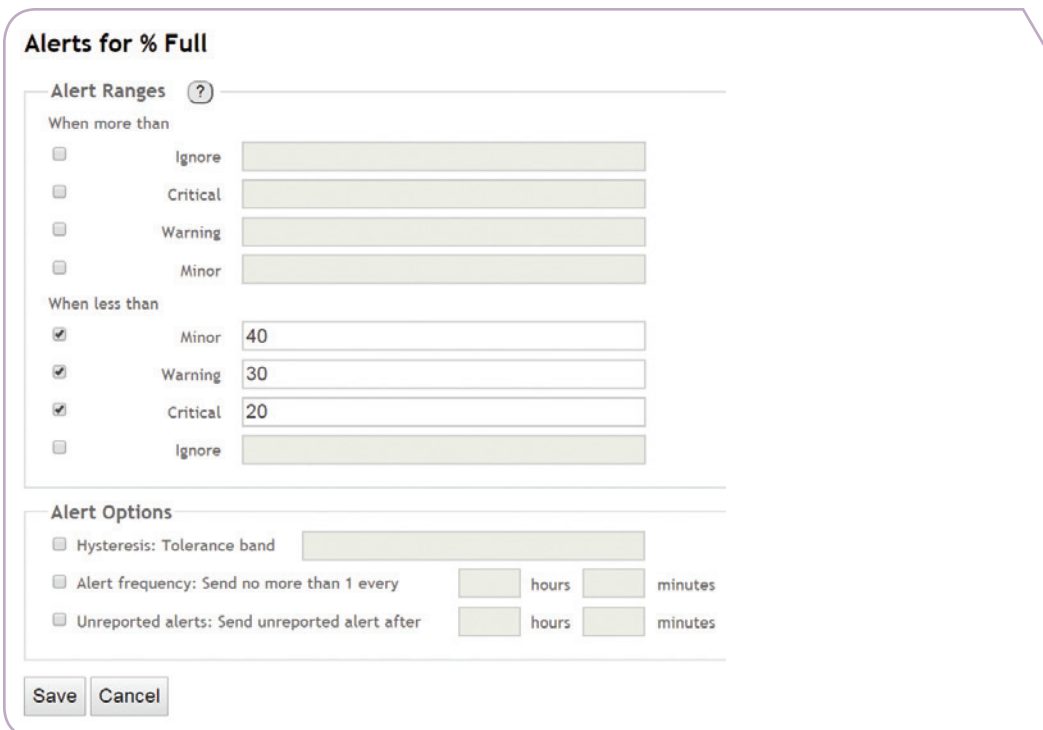
- Input unit of measurement into **Input UOM** field.
 - % Full (%), Full (UOM), and Empty (UOM) use "inches"
 - Battery uses "volts"
 - Temperature uses "celsius"
 - Connection Attempts is left blank.
 - Signal Strength uses "dBm"
 - Latitude and Longitude uses "deg"
- Leave **Unreported after** field blank.
- Select **Standard** from **Input type** drop-down box.
- Select **Output type** from drop-down box.
 - % Full use "% Full (%)"
 - Full (gal) use "Full (gal)"
 - Empty (gal) use "Empty (gal)"
 - Battery use "Battery (V)"
 - Temperature use "Temperature (F)" for Fahrenheit or "Temperature (C)" for Celsius.
 - Connection Attempts use "Connection Attempts ()"
 - Signal Strength uses "Signal Strength (dBm)"
 - Latitude uses "Latitude (deg)"
 - Longitude uses "Longitude (deg)"
- Input number of digits to right of decimal point in **Significant Digits** field.
 - % Full, Connection Attempts and Signal Strengths use "0"
 - Full (gal) and Empty (gal) use "1"
 - Battery (V) use "2"
 - Temperature (F or C) use "1"
 - Latitude and Longitude use "9"
- Leave **Accumulate Values** check box unchecked.

- Check **Adjust Input** check box only for displaying Temperature in Fahrenheit units, leave unchecked for Celsius and all other parameters.
 - Set "Offset" value to "0"
 - Set "Scale" value to "1.8"
 - Set "Adder" value to "32"
- Leave **Apply Lookup Table** check box unchecked until monitor is installed;
Important: contact ATEK Technical Support to apply a lookup table to each monitor after installation. This is required to convert raw monitor readings into tank level readings.
- Adjust Output** checkbox - Do Not Use.
- Click on **Save** at bottom of edit window.
- Configure/edit alerts for monitor parameters.
 - Alerts can be configured on any parameter to generate text or e-mail messages automatically whenever a parameter value exceeds a user defined limit.
- Click on **Yes** or **No** under Alerts heading of **% Full** parameter to configure alert conditions. Alerts are not typically configured for other parameters.



Alerts Verified			
No	<input type="checkbox"/>	Edit	Delete
No	<input type="checkbox"/>	Edit	Delete

- Alerts for % Full window will open.



Alerts for % Full

Alert Ranges ?

When more than

- ☐ Ignore
- ☐ Critical
- ☐ Warning
- ☐ Minor

When less than

- ☒ Minor 40
- ☒ Warning 30
- ☒ Critical 20
- ☐ Ignore

Alert Options

- ☐ Hysteresis: Tolerance band
- ☐ Alert frequency: Send no more than 1 every hours minutes
- ☐ Unreported alerts: Send unreported alert after hours minutes

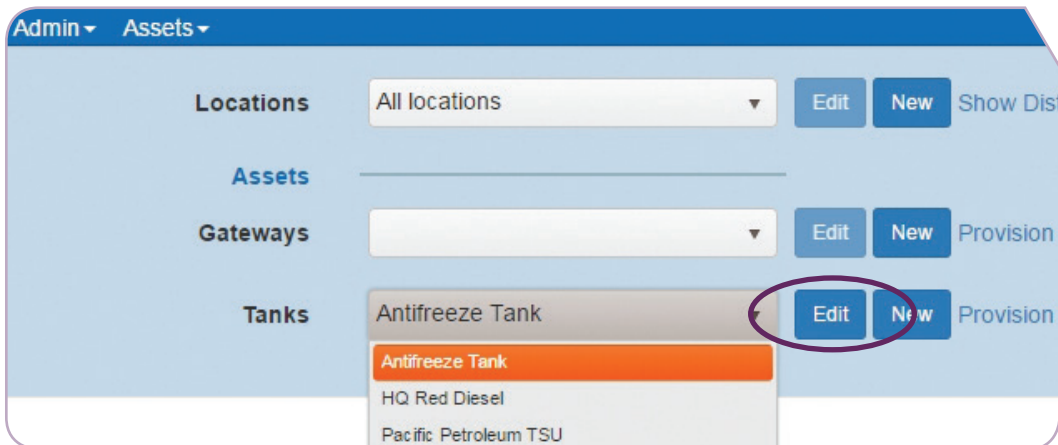
Save Cancel

- In example on previous page, alert levels are in terms of % Full reading key with a scale of 0 – 100%.
- Activate any alert level by clicking on check box next to desired alert, then type in its value. Note that while there are many alert options to choose, none, some, or all can be utilized.
- **Ignore** levels are typically not used in tank level applications and should be unchecked.
- Use **Hysteresis Tolerance Band** to prevent over alerting by creating a buffer around an alert level. Click on **Hysteresis** checkbox to enable, then type in its value. When an alert level is triggered it cannot be reset until tank level has passed through this band, however more urgent alert levels are unaffected by it and are triggered at their respective levels. Make sure that an alert level plus its **Hysteresis Tolerance Band** do not encroach on another alert level.
- Use **Alert Frequency** to limit alert messages to only happening every so often instead of at any time in case over alerting is a concern.
- Use **Unreported Alerts** to send an alert if tank monitor does not report within time span set as measured from last reading. Care should be taken to make sure monitor's reporting interval (see Update Monitor parameters) is not more than this unreported alert interval otherwise needless alerts may be sent.
- Alerts for other reading keys are set in same manner and use same units as output type specified when reading key was created during tank monitor provisioning process.
- Alerts can be edited at any time and will be evaluated at next received report. **Alert Frequency** intervals and **Unreported Alerts** timer will be reset upon saving any new alert settings.
- Click on **Save**.
- Close out **Provisioning** web browser tab to conclude provisioning process.
- After setting up reading keys and alerts, the final step is to setup monitor's reporting interval, see **AIP Navigation/d. Viewing Tank Details/1. For Monitors Used in Single Tank Applications/Update Monitor**.

6 Duplicate a Tank

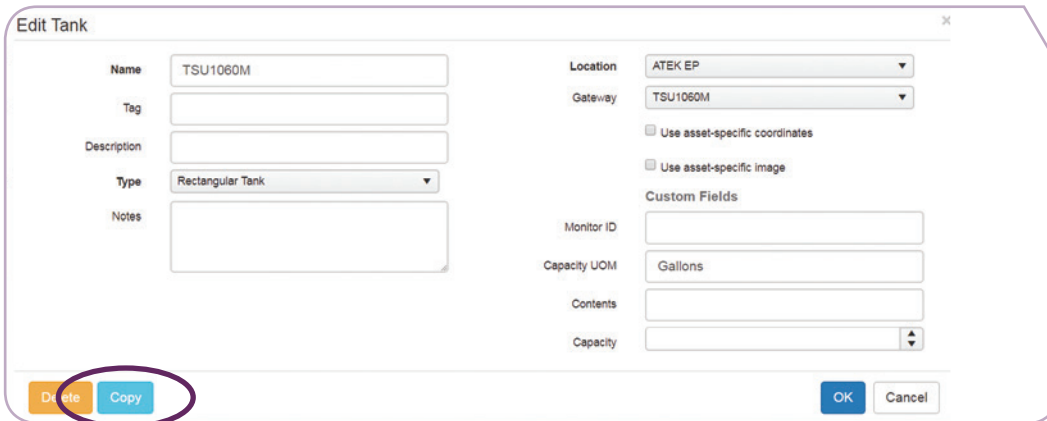
Tanks can be duplicated to make copies with similar provisioning set ups. Before copying, a new tank's location and monitor gateway must have been set up.

- Click on tank's **Edit** button.



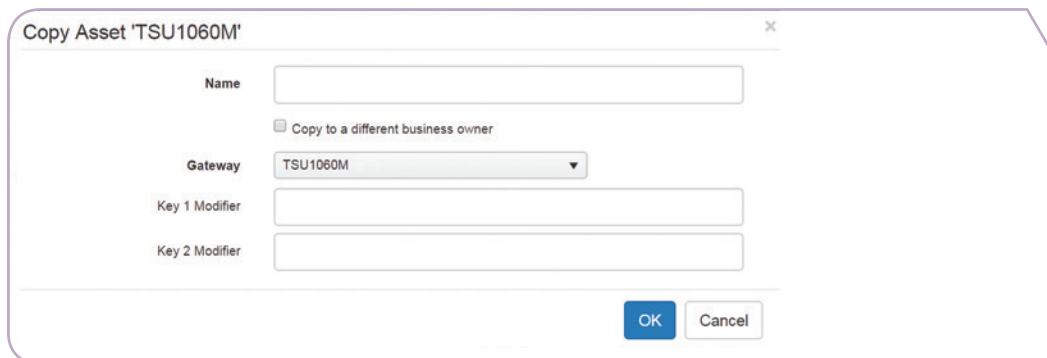
The screenshot shows the 'Admin Assets' interface. Under the 'Tanks' section, a list of tanks is displayed: 'Antifreeze Tank', 'Antifreeze Tank', 'HQ Red Diesel', and 'Pacific Petroleum TSU'. The 'Antifreeze Tank' is highlighted. To the right of the list, there are buttons for 'Edit', 'New', and 'Provision'. The 'Edit' button is circled in red.

- This will open **Edit Tank** window.
- Click on **Copy**.



The screenshot shows the 'Edit Tank' window. It contains various fields for tank information: Name (TSU1060M), Tag, Description, Type (Rectangular Tank), Notes, Location (ATEK EP), Gateway (TSU1060M), Monitor ID, Capacity UOM (Gallons), Contents, and Capacity. At the bottom left, there are buttons for 'Delete' and 'Copy'. The 'Copy' button is circled in red.

- A new window will pop up to create a new tank asset.



- Fill out **Name** for new tank.
- Select gateway associated with new tank from **Gateway** drop-down menu.
- Enter serial number of new monitor into **Key 1 Modifier** field.



- This will change reading keys for new duplicated tank.
- Click **OK**.
- A new tank site will be created from original tank with same details and provisioning parameters.

New copied tank will fill in its data next time its monitor reports in.

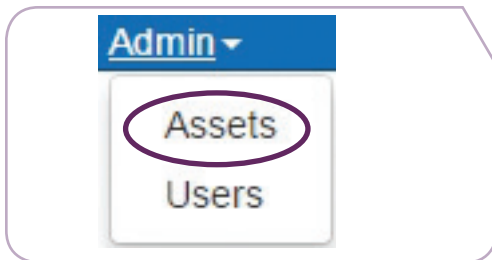
4/24/2017 6:06 PM	ATEK EP	41160201	290.5 gal	6.0 V	72.1 F
	ATEK EP	41160201 Copy			

e. TSC System Setup

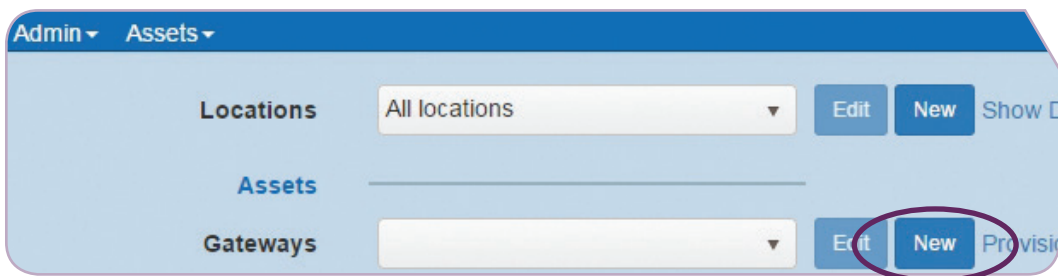
1 Create a New Gateway

A new location must be created before creating a gateway.

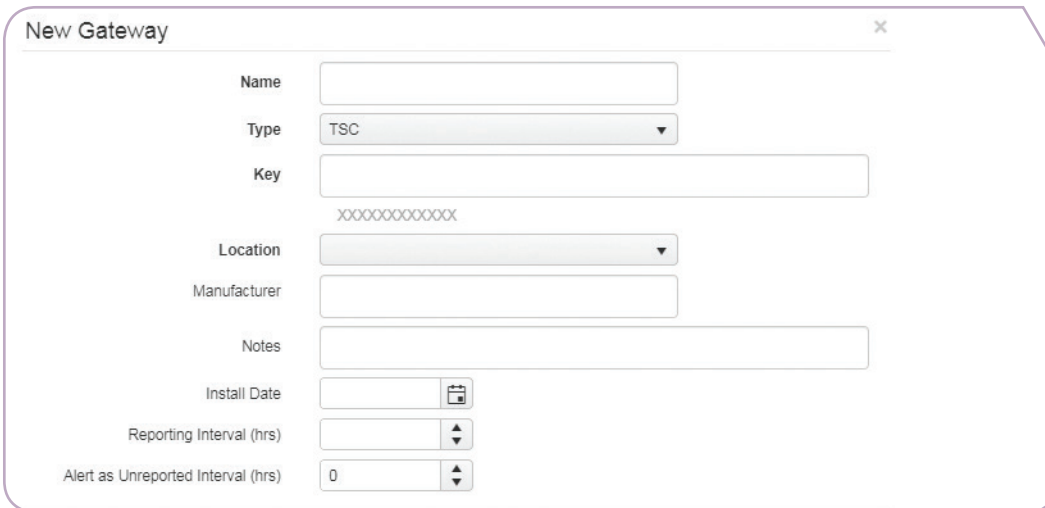
- Select **Admin**, then **Assets**.



- Click on **New** button for Gateways.



- **New Gateway** window will open.
- Fill in **Name** and pick gateway **Type TSC** from drop-down box.
 NOTE: Gateway type must match gateway model.


 A screenshot of the 'New Gateway' form. The form contains the following fields:

- Name**: A text input field.
- Type**: A dropdown menu with 'TSC' selected.
- Key**: A text input field with a placeholder 'XXXXXXXXXX'.
- Location**: A dropdown menu.
- Manufacturer**: A text input field.
- Notes**: A text input field.
- Install Date**: A date picker.
- Reporting Interval (hrs)**: A spinner control.
- Alert as Unreported Interval (hrs)**: A spinner control with '0' selected.

- Select **Location** from drop-down box.

- Fill in **Key** using serial number information from monitor label.
 - Use the following format: xxxxxxxxxxxx, example below: 00804413952C



Note: All information below **Location** is optional.

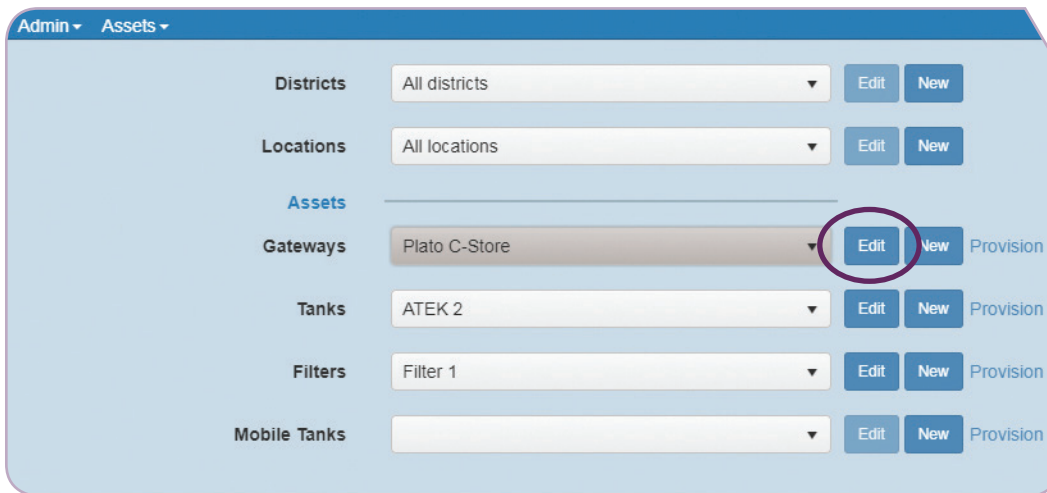
- Fill out **Manufacturer and Notes** field sections if desired.
- Fill out **Install Date** field when gateway is installed.
- **Reporting Interval** is not used and is left blank.
- **Alert as Unreported Interval** is set up by ATEK Technical Support and should be left alone.
- Click on **OK**.

2 Edit an Existing Gateway

- Select **Admin**, then **Assets**.



- Select **Gateway** from drop-down menu and then click on **Edit** to make changes to this gateway.



Edit Gateway

Name

Plato C-Store

Type

TSC

Key

00804411D396

XXXXXXXXXXXX

Location

NBT

Manufacturer

Notes

Install Date

Reporting Interval (hrs)

Alert as Unreported Interval (hrs)

0

Delete

OK

Cancel

- If changes are made to gateway **Key**, then **Key** value must be updated for all tank parameters on each tank asset's **Provisioning** window, refer to next section.
- Click on **OK** to keep changes.

3 Create a New Tank

A new gateway must be created before creating a tank.

- Select **Admin**, then **Assets**.

Admin

Assets

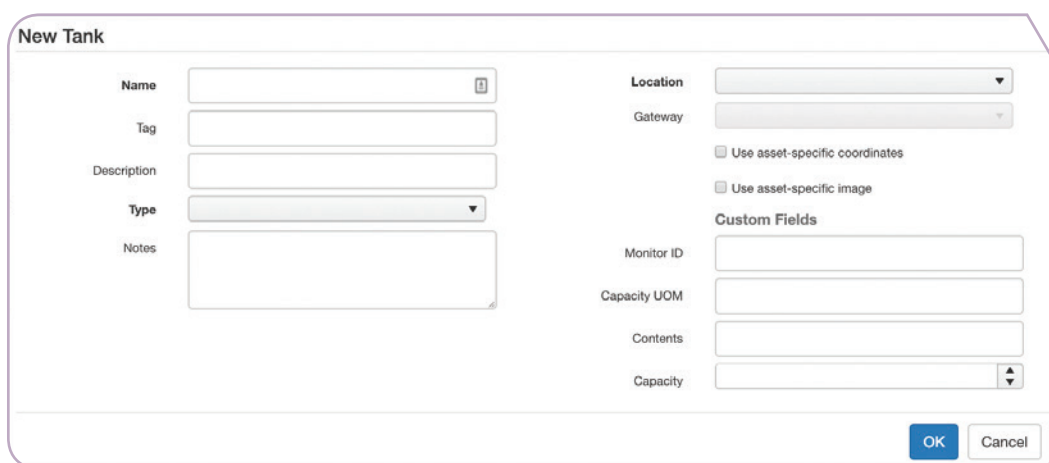
Users

- Click on **New**.



The screenshot shows the 'Admin Assets' interface. It has three main sections: 'Locations' with a dropdown set to 'All locations' and buttons 'Edit', 'New', and 'Show Districts'; 'Assets' with a horizontal line; and 'Gateways' with a dropdown and buttons 'Edit', 'New', and 'Provision'. The 'Tanks' section has a dropdown set to 'Antifreeze Tank' and buttons 'Edit', 'New', and 'Provision'. The 'New' button for Tanks is circled in red.

- New Tank** window will open.

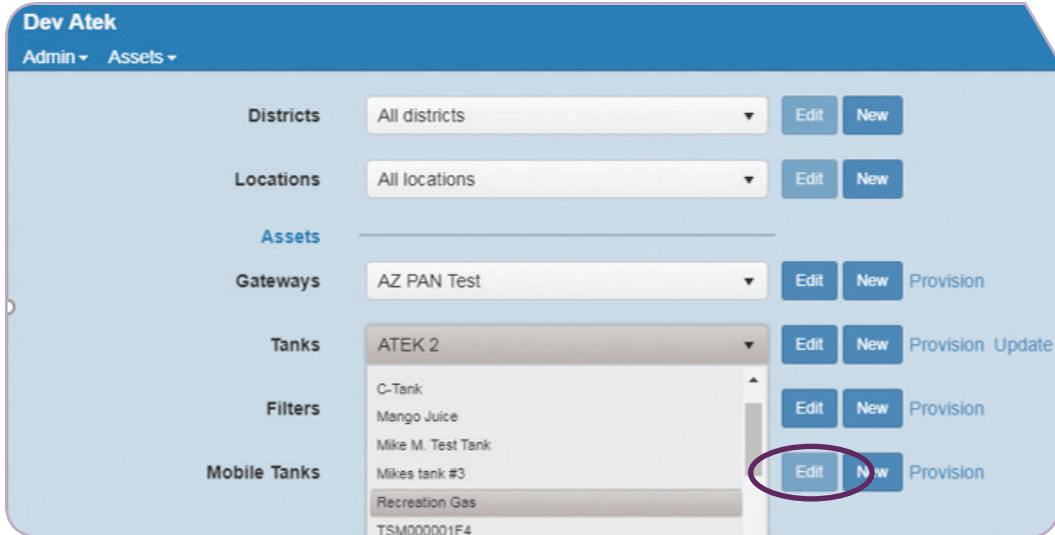


The 'New Tank' form is divided into two columns. The left column contains: 'Name' (text input), 'Tag' (text input), 'Description' (text input), 'Type' (dropdown menu), and 'Notes' (text area). The right column contains: 'Location' (dropdown menu), 'Gateway' (dropdown menu), two checkboxes for 'Use asset-specific coordinates' and 'Use asset-specific image', a 'Custom Fields' section with 'Monitor ID', 'Capacity UOM', 'Contents', and 'Capacity' (all text inputs), and 'OK' and 'Cancel' buttons at the bottom right.

- Enter customer's tank **Name**.
- Specify a **Tag**, to display extra information about tank, if desired.
- Fill in **Description** if desired.
- Select tank **Type** from drop-down box (list is created from menu item Assets/Configure Types).
- Select **Location** from drop-down box.
- Select **Gateway** from drop-down box.
- Click on **Use asset-specific coordinates** to enter Latitude and Longitude values of tank, if desired.
 - Type in **Latitude** if applicable.
 - Type in **Longitude** if applicable.
- Type in Monitor's model number in **Monitor ID** field, if desired.
- Fill in following information after device is reporting.
 - Type in **Capacity UOM**, UOM means unit of measurement, examples: gal, liters.
 - Type in **Contents** of tank, (i.e. 5W-20).
 - Type in **Capacity** of tank, (i.e. 246).
- Click on **OK**.
- Click on **Use asset-specific image** to upload an actual tank image.

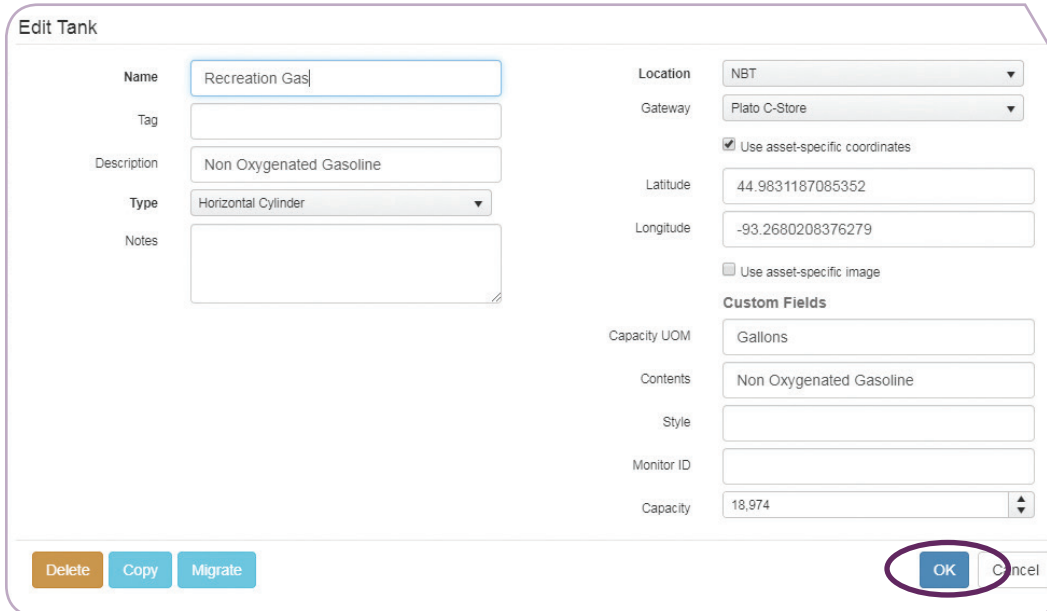
4 Edit an Existing Tank

- Select **Admin**, then **Assets**.
- Select **Tank** from drop-down menu and then click on **Edit**.



The screenshot shows the 'Dev Atek' interface with the 'Assets' tab selected. Under the 'Tanks' section, a list of tanks is displayed, including 'ATEK 2', 'C-Tank', 'Mango Juice', 'Mike M. Test Tank', 'Mikes tank #3', 'Recreation Gas', and 'TSM000001F4'. The 'Edit' button for the 'Recreation Gas' tank is circled in red.

- Modify fields in **Edit Tank** window as needed.



The screenshot shows the 'Edit Tank' window with the following fields:

- Name:** Recreation Gas
- Tag:** (empty)
- Description:** Non Oxygenated Gasoline
- Type:** Horizontal Cylinder
- Notes:** (empty)
- Location:** NBT
- Gateway:** Plato C-Store
- ☒ Use asset-specific coordinates
- Latitude:** 44.9831187085352
- Longitude:** -93.2680208376279
- ☐ Use asset-specific image
- Custom Fields:**
 - Capacity UOM:** Gallons
 - Contents:** Non Oxygenated Gasoline
 - Style:** (empty)
 - Monitor ID:** (empty)
 - Capacity:** 18,974

At the bottom, there are buttons for 'Delete', 'Copy', 'Migrate', 'OK', and 'Cancel'. The 'OK' button is circled in red.

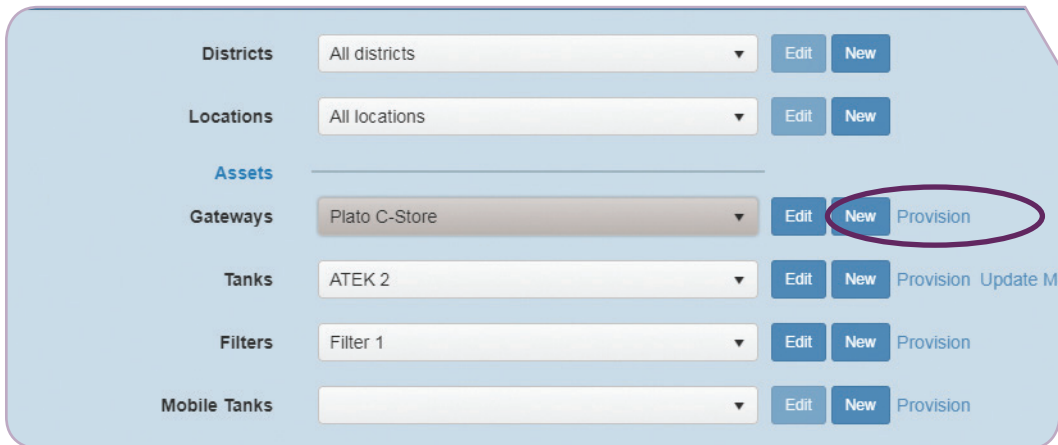
- Click on **OK** after editing tank details.

5 Provision a Tank

Provisioning allows users to map incoming gateway parameters to actual tank and specify alerts for each parameter.

Failure to provision monitors properly could resort in loss of report information.

- Select **Admin**, then **Assets**.
- Select **Gateway** from drop-down menu and then click on **Provision**.



- **Provisioning** window opens.
- TSC gateway reports information from multiple tanks. Each tank is identified by numeric prefix used in ReadingKey parameter.
- Choose Reading Key from intended tank and click on **New Definition** button on right.

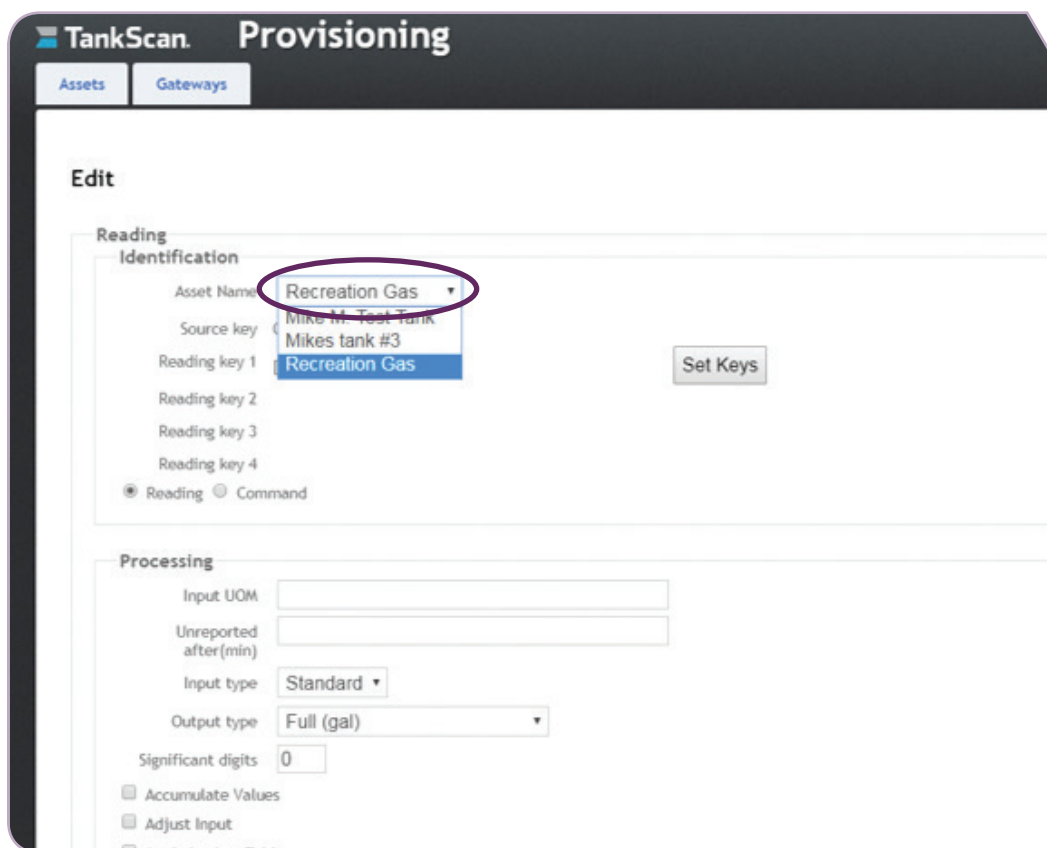
TankScan. Provisioning

Assets Gateways

Incoming Readings for Plato C-Store

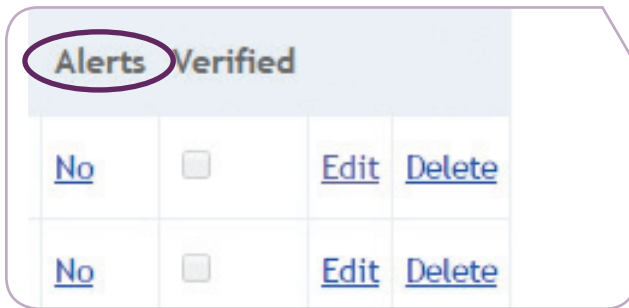
Source Key	ReadingKeys	Value	UOM	TimeStamp	Reading Definitions
00804411D396	[1.ActiveAlarms]	0		8/8/2019 2:09:00 PM	1 New Definition
00804411D396	[1.Capacity]	15228		8/8/2019 2:09:00 PM	1 New Definition
00804411D396	[1.DailyUsage]	0		8/8/2019 2:09:00 PM	1 New Definition
00804411D396	[1.DaysInventory]	100		8/8/2019 2:09:00 PM	1 New Definition
00804411D396	[1.Gross]	5175		8/8/2019 2:09:00 PM	0 New Definition
00804411D396	[1.LastDeliveryAt]	7/24/2019 1:29:00 PM		8/8/2019 2:09:00 PM	1 New Definition
00804411D396	[1.LastDeliveryQuantity]	167		8/8/2019 2:09:00 PM	1 New Definition
00804411D396	[1.Net]	5161		8/8/2019 2:09:00 PM	0 New Definition

- Use the drop down list to select targeted tank.
- Choose standard input type for most numeric inputs.
- Choose text for non-numeric inputs.
- Choose **Output type** from pull down list.
- Set significant digits to:
 - 1 for full, empty and percent full
 - 0 for all others
- Click **Save** button. This action closes **EDIT** window and reopens incoming **Readings** window
- Repeat process for other parameters as desired.
 - Use x.Gross for 'Full (gal)' output type
 - Use x.PercentFull for '% Full' output type
 - Use x.Ullage for 'Empty (gal)' output type
 - Use x.ActiveAlarms for 'Active Alarms ()'
- Other Reading Keys can be utilized to fill in **Custom Field** information in **New** or **Edit Tank** screens.
 - X.Capacity = Capacity
 - X.ProductiveName = Contents

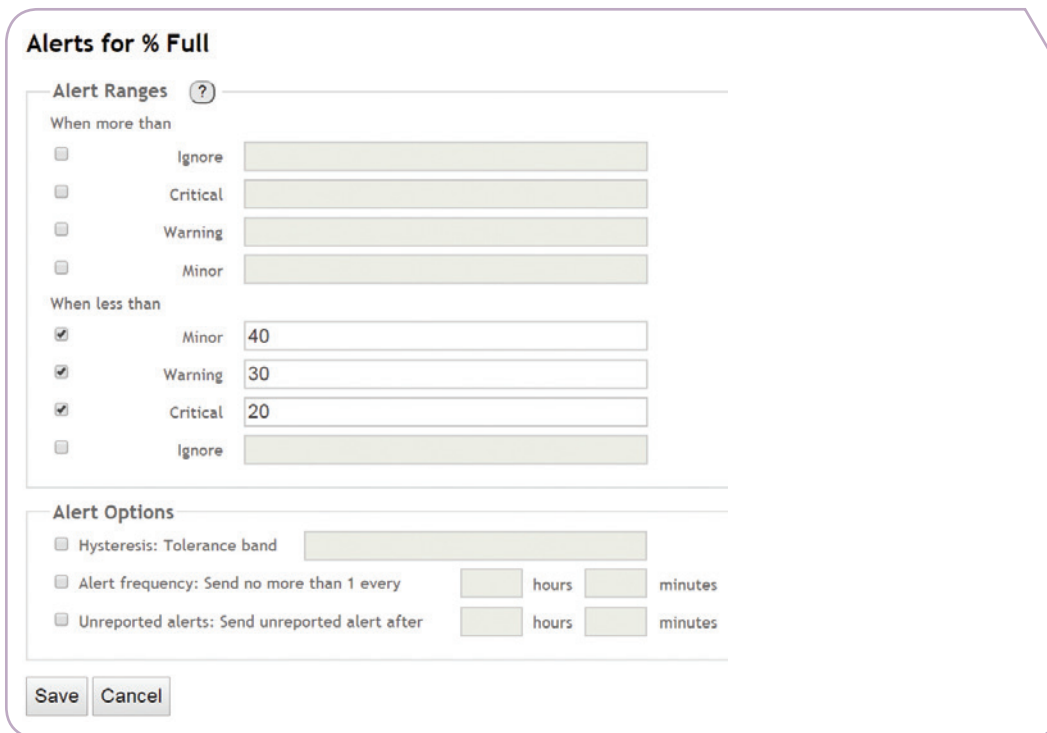


The screenshot shows the 'Edit' screen in the TankScan Provisioning interface. The 'Reading Identification' section is active, showing a dropdown menu for 'Asset Name' with 'Recreation Gas' selected. Below it, 'Source key' is set to 'Mikes tank #3', and 'Reading key 1' is set to 'Recreation Gas'. A 'Set Keys' button is visible. The 'Processing' section below has fields for 'Input UOM', 'Unreported after (min)', 'Input type' (set to 'Standard'), 'Output type' (set to 'Full (gal)'), and 'Significant digits' (set to '0'). There are also checkboxes for 'Accumulate Values' and 'Adjust Input'.

- Configure/edit alerts for monitor parameters.
 - Alerts can be configured on any parameter to generate text or e-mail messages automatically whenever a parameter value exceeds a user defined limit.
- Click on **Yes** or **No** under Alerts heading of **% Full** parameter to configure alert conditions. Alerts are not typically configured for other parameters.



- Alerts for % Full window will open.



Alerts for % Full

Alert Ranges (?)

When more than

- ☐ Ignore
- ☐ Critical
- ☐ Warning
- ☐ Minor

When less than

- ☒ Minor 40
- ☒ Warning 30
- ☒ Critical 20
- ☐ Ignore

Alert Options

- ☐ Hysteresis: Tolerance band
- ☐ Alert frequency: Send no more than 1 every hours minutes
- ☐ Unreported alerts: Send unreported alert after hours minutes

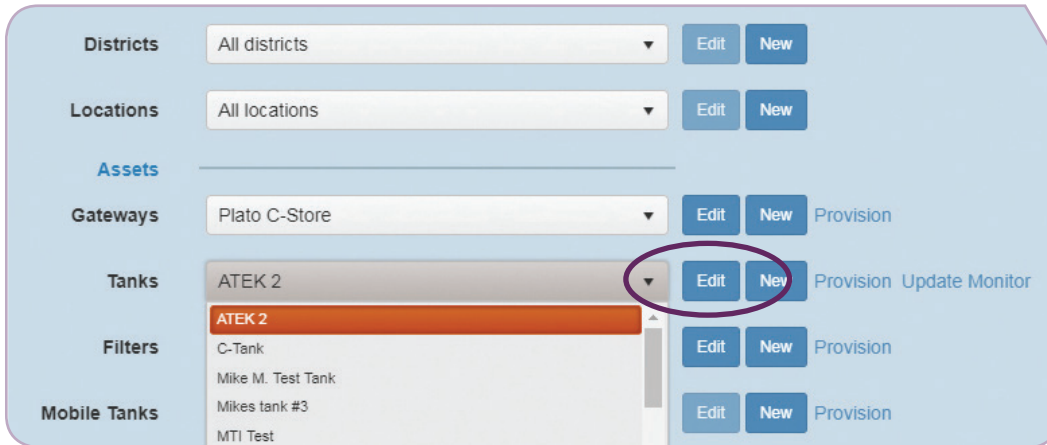
Save Cancel

- In example on previous page, alert levels are in terms of % Full reading key with a scale of 0 – 100%.
- Activate any alert level by clicking on check box next to desired alert, then type in its value. Note that while there are many alert options to choose, none, some, or all can be utilized.
- **Ignore** levels are typically not used in tank level applications and should be unchecked.
- Use **Hysteresis Tolerance Band** to prevent over alerting by creating a buffer around an alert level. Click on **Hysteresis** checkbox to enable, then type in its value. When an alert level is triggered it cannot be reset until tank level has passed through this band, however more urgent alert levels are unaffected by it and are triggered at their respective levels. Make sure that an alert level plus its **Hysteresis Tolerance Band** do not encroach on another alert level.
- Use **Alert Frequency** to limit alert messages to only happening every so often instead of at any time in case over alerting is a concern.
- Use **Unreported Alerts** to send an alert if tank monitor does not report within time span set as measured from last reading. Care should be taken to make sure monitor's reporting interval (see Update Monitor parameters) is not more than this unreported alert interval otherwise needless alerts may be sent.
- Alerts for other reading keys are set in same manner and use same units as output type specified when reading key was created during tank monitor provisioning process.
- Alerts can be edited at any time and will be evaluated at next received report. **Alert Frequency** intervals and **Unreported Alerts** timer will be reset upon saving any new alert settings.
- Click on **Save**.
- Close out **Provisioning** web browser tab to conclude provisioning process.

5 Duplicate a Tank

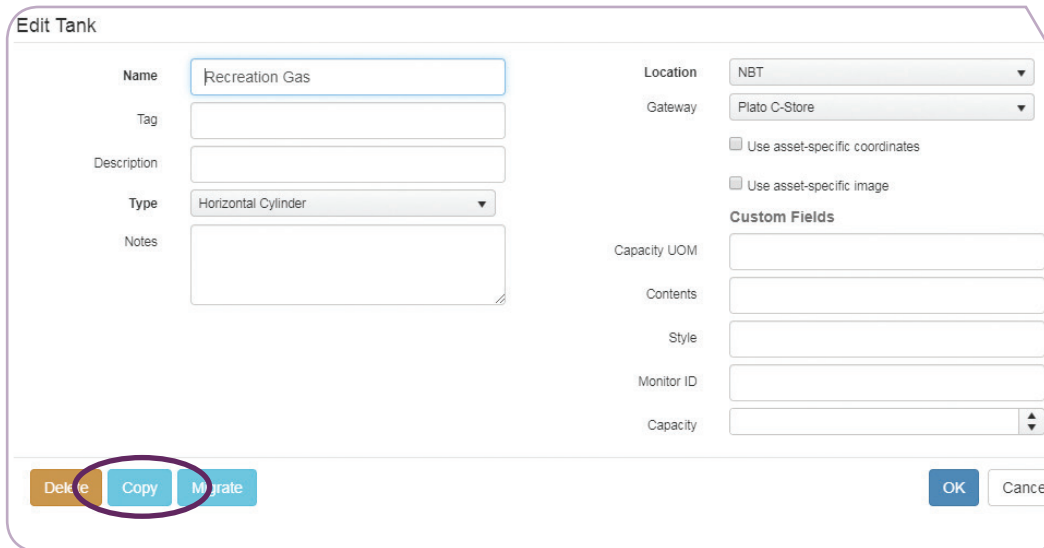
Tanks can be duplicated to make copies with similar provisioning set up. Before copying, a new tank's location and monitor gateway must have been set up.

- Click on tank's **Edit** button.



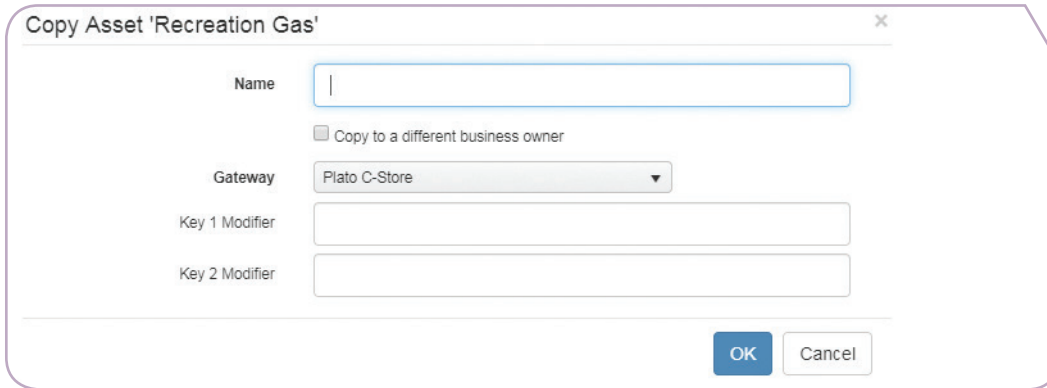
The screenshot shows the 'Assets' section of the TankScan interface. It includes dropdown menus for 'Districts' (All districts), 'Locations' (All locations), and 'Gateways' (Plato C-Store). The 'Tanks' list is expanded, showing 'ATEK 2' selected. The 'Edit' button for 'ATEK 2' is circled in red. Other buttons like 'New', 'Provision', and 'Update Monitor' are also visible.

- This will open **Edit Tank** window.
- Click on **Copy**.



The screenshot shows the 'Edit Tank' window. It has fields for 'Name' (Recreation Gas), 'Tag', 'Description', 'Type' (Horizontal Cylinder), and 'Notes'. On the right, there are dropdowns for 'Location' (NBT) and 'Gateway' (Plato C-Store), and checkboxes for 'Use asset-specific coordinates' and 'Use asset-specific image'. Below these are 'Custom Fields' for 'Capacity UOM', 'Contents', 'Style', 'Monitor ID', and 'Capacity'. At the bottom, there are buttons for 'Delete', 'Copy' (circled in red), 'Migrate', 'OK', and 'Cancel'.

- A new window will pop up to create a new tank asset.



The dialog box titled "Copy Asset 'Recreation Gas'" contains the following fields and controls:

- Name:** A text input field with a cursor.
- ☐ Copy to a different business owner
- Gateway:** A dropdown menu currently showing "Plato C-Store".
- Key 1 Modifier:** A text input field.
- Key 2 Modifier:** A text input field.
- Buttons:** "OK" and "Cancel" buttons at the bottom right.

- Fill out **Name** for new tank.
- Select gateway associated with new tank from **Gateway** drop-down menu.
- Enter tank number of new tank into **Key 1 Modifier** field, as found in reading key format.

Incoming Readings for Plato C-Store

Source Key	ReadingKeys	Value	UOM	TimeStamp	Reading
00804411D396	['1.ActiveAlarms']	0		8/8/2019 6:09:00 PM	1
00804411D396	['1.Capacity']	15228		8/8/2019 6:09:00 PM	1
00804411D396	['1.DailyUsage']	0		8/8/2019 6:09:00 PM	1
00804411D396	['1.DaysInventory']	100		8/8/2019 6:09:00 PM	1
00804411D396	['1.Gross']	5175		8/8/2019 6:09:00 PM	0

- This will change reading keys for new duplicated tank.
- Click **OK**.
 - A new tank will be created from original tank with same details and provisioning parameters.

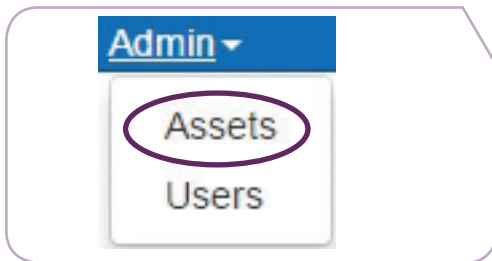
New copied tank will fill in its data next time its monitor reports in.

f. Tank Farm Monitor System Setup – For TSM8000/TSM1000 Monitors

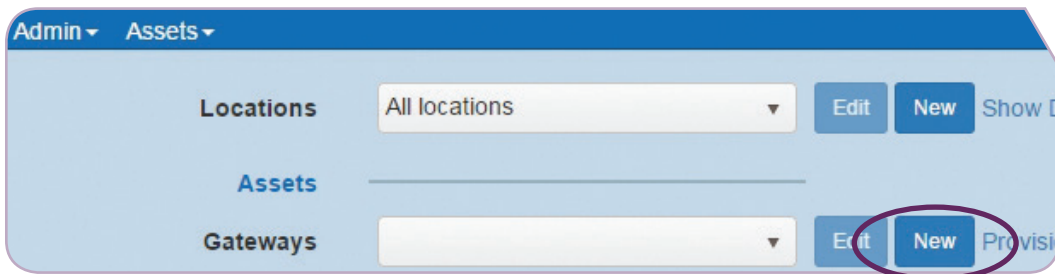
1 Create a New Gateway

A new location must be created before creating a gateway.

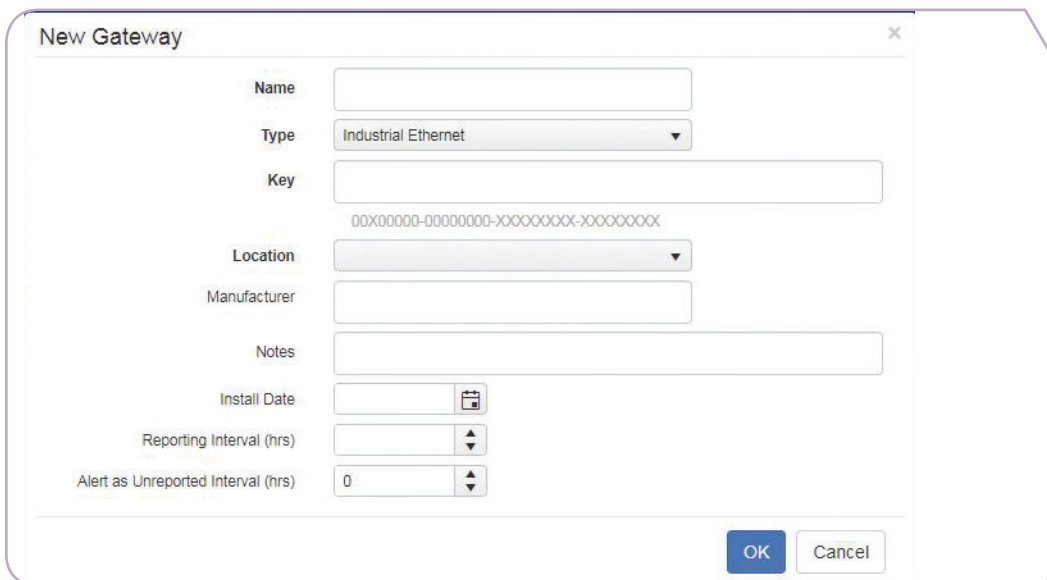
- Select **Admin**, then **Assets**.



- Click on **New** button for Gateways.



- **New Gateway** window will open.
- Fill in **Name** and pick gateway **Type Industrial Cellular** or **Industrial Ethernet** from drop-down box.


 A screenshot of the 'New Gateway' window. The form contains the following fields:

- Name**: A text input field.
- Type**: A dropdown menu with 'Industrial Ethernet' selected.
- Key**: A text input field with a placeholder '00X00000-00000000-XXXXXXXX-XXXXXXXX'.
- Location**: A dropdown menu.
- Manufacturer**: A text input field.
- Notes**: A text area.
- Install Date**: A date picker.
- Reporting Interval (hrs)**: A spinner control.
- Alert as Unreported Interval (hrs)**: A spinner control with '0' selected.

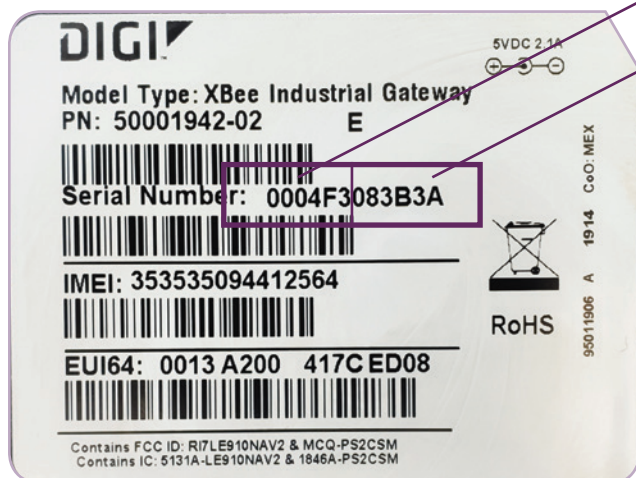
 At the bottom right are 'OK' and 'Cancel' buttons.

- Select **Location** from drop-down box.

- Fill in Key.

For TSM Monitors – enter in gateway serial number from the box or gateway label, number always begins with “0004...”

Use the following format: xxxxxxFF-FFyyyyyy (Example: **0004F3FF-FF083B3A**)



Note: All information below **Location** is optional.

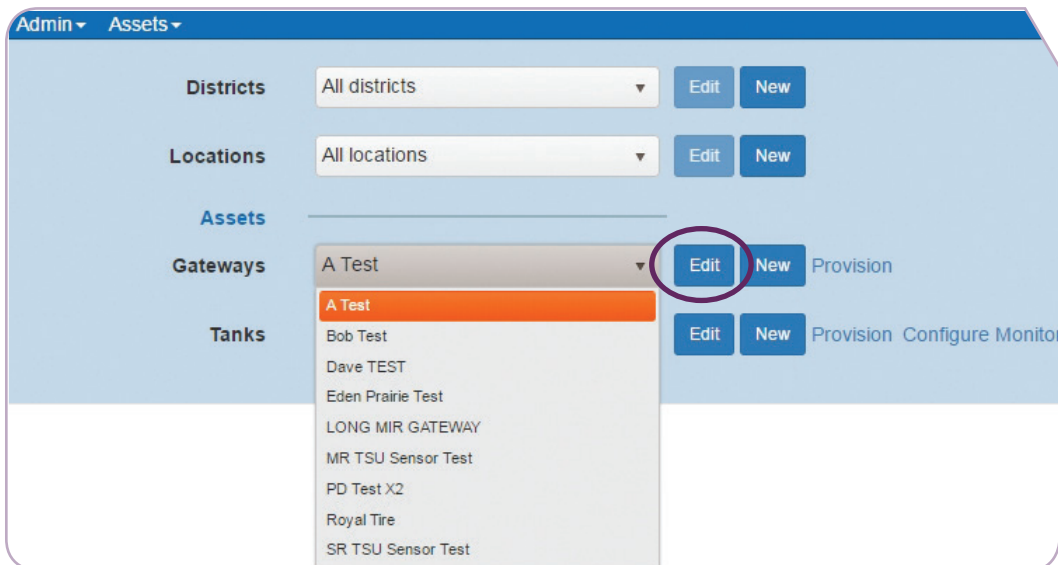
- Fill out **Manufacturer and Notes** field sections if desired.
- Fill out **Install Date** field when gateway is installed.
- **Reporting Interval** is not used and is left blank.
- **Alert as Unreported Interval** is set up by ATEK Technical Support and should be left alone.
- Click on **OK**.

2 Edit an Existing Gateway

- Select **Admin**, then **Assets**.



- Select **Gateway** from drop-down menu and then click on **Edit** to make changes to this gateway.



Edit Gateway

Name
Eden Prairie Test

Type
Industrial Cellular

Key
00000000-00000000-00409DFF-FF6B0F0B
00X00000-00000000-XXXXXXXX-XXXXXXXX

Location
ATEK EP

Manufacturer

Notes

Install Date
1/7/2016

Reporting Interval (hrs)

Alert as Unreported Interval (hrs)
0

Delete
OK
Cancel

- If changes are made to gateway **Key**, then **Key** value must be updated for all tank parameters on each tank asset's **Provisioning** window, refer to next section.
- Click on **OK** to keep changes.

3 Create a New Tank

A new gateway must be created before creating a tank.

- Select **Admin**, then **Assets**.

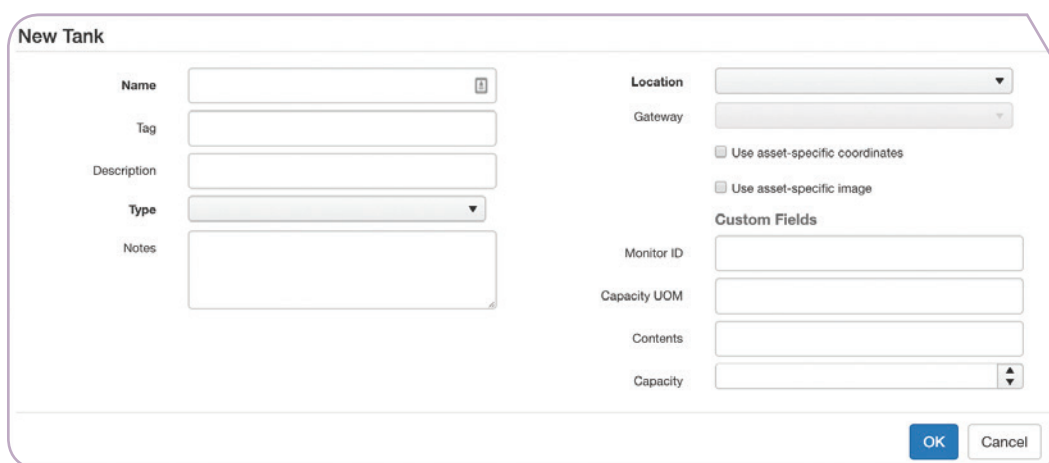
Admin
Assets
Users

- Click on **New**.



The screenshot shows the 'Admin Assets' interface. Under the 'Tanks' section, the 'New' button is circled in red. Other buttons visible include 'Edit' and 'Provision' for Tanks, and 'Edit', 'New', and 'Show Districts' for Locations. The 'Locations' dropdown is set to 'All locations' and the 'Tanks' dropdown is set to 'Antifreeze Tank'.

- **New Tank** window will open.



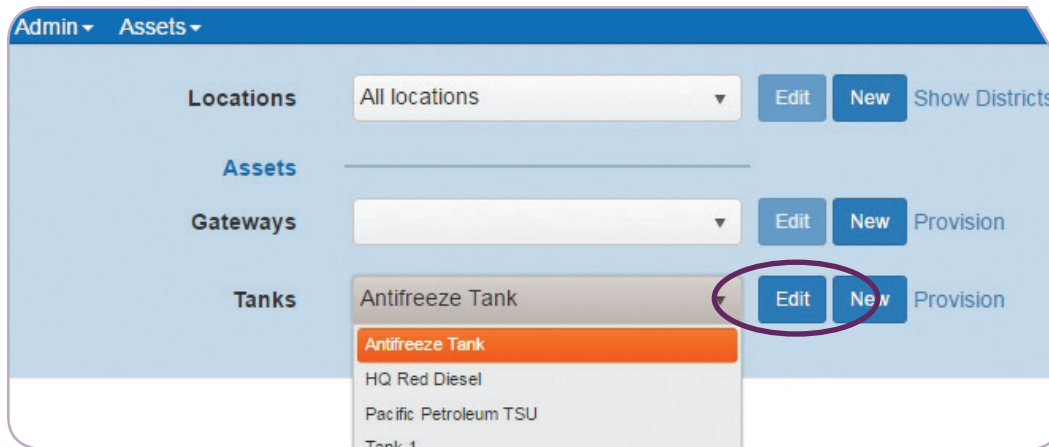
The 'New Tank' form contains the following fields and options:

- Name:** Text input field with an information icon.
- Tag:** Text input field.
- Description:** Text input field.
- Type:** Drop-down menu.
- Notes:** Text area.
- Location:** Drop-down menu.
- Gateway:** Drop-down menu.
- ☐ Use asset-specific coordinates
- ☐ Use asset-specific image
- Custom Fields:**
 - Monitor ID:** Text input field.
 - Capacity UOM:** Text input field.
 - Contents:** Text input field.
 - Capacity:** Text input field with a spinner.
- Buttons:** 'OK' and 'Cancel' at the bottom right.

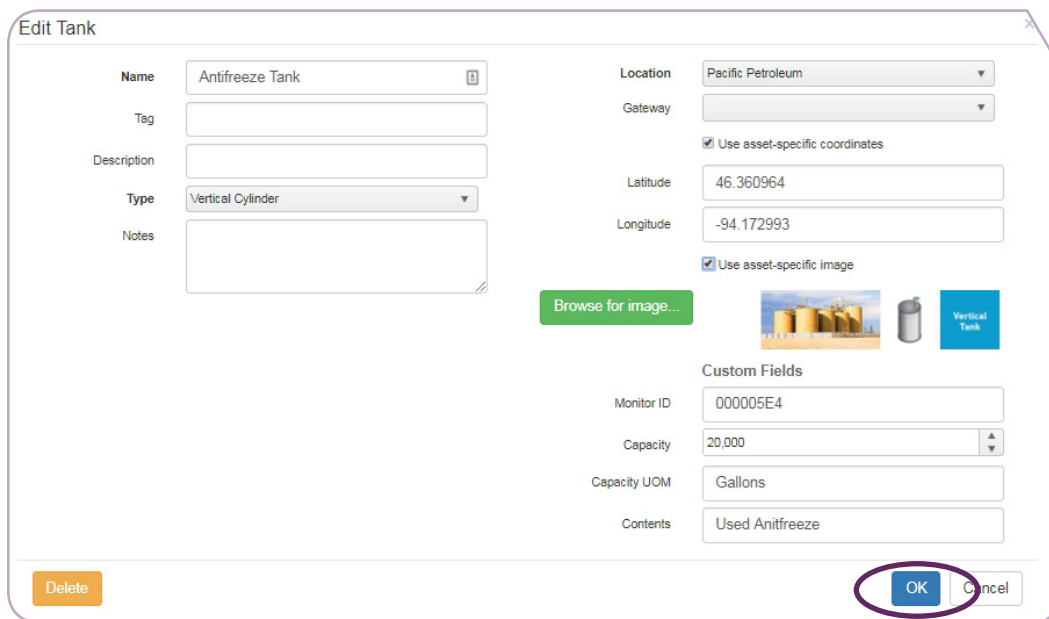
- Enter customer's tank **Name**.
- Specify a **Tag**, to display extra information about tank, if desired.
- Fill in **Description** if desired.
- Select tank **Type** from drop-down box (list is created from menu item Assets/Configure Types).
- Select **Location** from drop-down box.
- Select **Gateway** from drop-down box.
- Click on **Use asset-specific coordinates** to enter Latitude and Longitude values of tank, if desired.
 - Type in **Latitude** if applicable.
 - Type in **Longitude** if applicable.
- Type in Monitor's model number in **Monitor ID** field, if desired.
- Type in **Capacity UOM**, UOM means unit of measurement, examples: gal, liters.
- Type in **Contents** of tank, (i.e. 5W-20).
- Type in **Capacity** of tank, (i.e. 246).
- Click on **OK**.
- Click on **Use asset-specific image** to upload an actual tank image.

4 Edit an Existing Tank

- Select **Admin**, then **Assets**.
- Select **Tank** from drop-down menu and then click on **Edit**.



- Modify fields in **Edit Tank** window as needed.



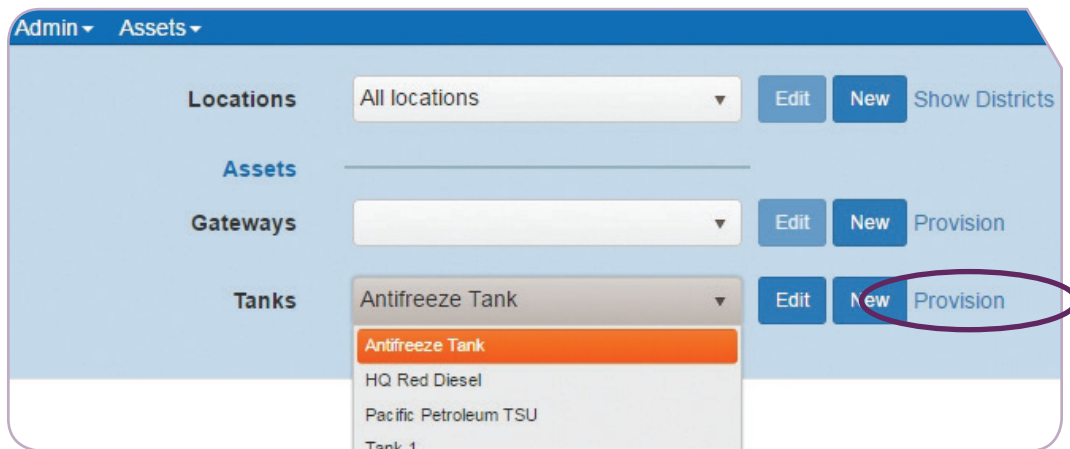
- Click on **OK** after editing tank details.

5 Provision a Tank

Provisioning allows users to map incoming monitor parameters to actual tank, specify alerts for each parameter, and to apply strapping tables to tank level readings.

Failure to provision monitors properly could resort in loss of report information.

- Select **Admin**, then **Assets**.
- Select **Tank** from drop-down menu and then click on **Provision**.



- **Provisioning** window opens.

TankScan. Provisioning User: sg...

[Assets](#) [Gateways](#)

Readings for Asset: Antifreeze Tank

[Create New](#)

Name	Tan	Gateway	OutputType	SourceKey	ReadineKeys	Last Value	Last Reported	Unreported after(min)	Alerts	Verified	
Antifreeze Tank		Haz Mat Gateway 3	% Full (%)	00000000-00000000-00409DFF-FF50DD85	000005E4.probe_dist	64%	2017-08-14 20:02:09Z	1380	No	✓	Edit Delete
Antifreeze Tank		Haz Mat Gateway 3	Empty (gals)	00000000-00000000-00409DFF-FF50DD85	000005E4.probe_dist	7430.61 gals	2017-08-14 20:02:09Z		No	✓	Edit Delete
Antifreeze Tank		Haz Mat Gateway 3	Full (gals)	00000000-00000000-00409DFF-FF50DD85	000005E4.probe_dist	12949.29 gals	2017-08-14 20:02:09Z		No	✓	Edit Delete
Antifreeze Tank		Haz Mat Gateway 3	Battery (V)	00000000-00000000-00409DFF-FF50DD85	000005E4.battery_level	6.000 V	2017-08-14 20:02:09Z		No	✓	Edit Delete
Antifreeze Tank		Haz Mat Gateway 3	Temperature (F)	00000000-00000000-00409DFF-FF50DD85	000005E4.temperature	104.00 F	2017-08-14 20:02:09Z		No	✓	Edit Delete
Antifreeze Tank		Haz Mat Gateway 3	Depth (in)	00000000-00000000-00409DFF-FF50DD85	000005E4.probe_dist	236 in	2017-08-14 20:02:09Z		No	✓	Edit Delete

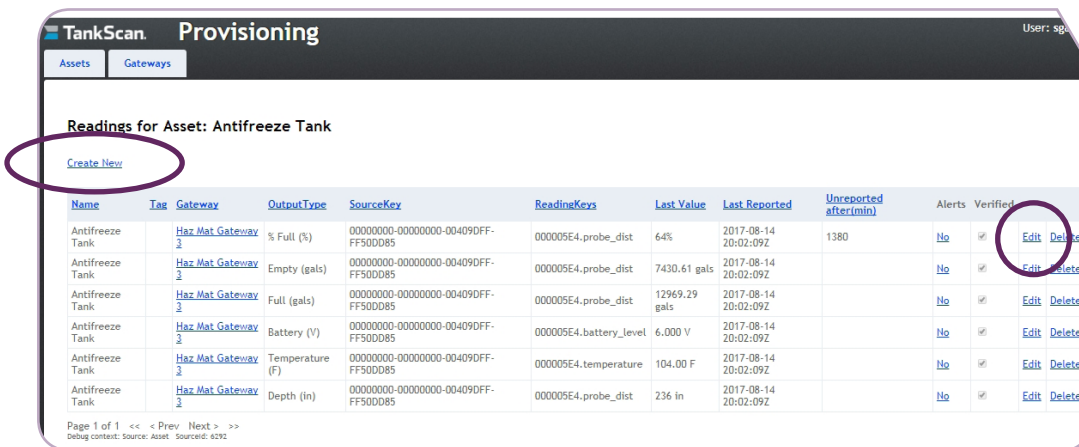
Page 1 of 1 << Prev Next >>
 Debug context: Source: Asset SourceID: 6292

- Reading keys are assigned to monitor's reported parameters in order to display them.

Monitors have 5 parameters:

- % Full (UOM), Full (UOM) and Empty (UOM) created from "Range"
- Battery (V) created from "BV"
- Temperature (F) created from "DegC"

- Click on **Create New** or **Edit** at **Provisioning** window for each parameter individually.



TankScan Provisioning

Assets Gateways User: sg

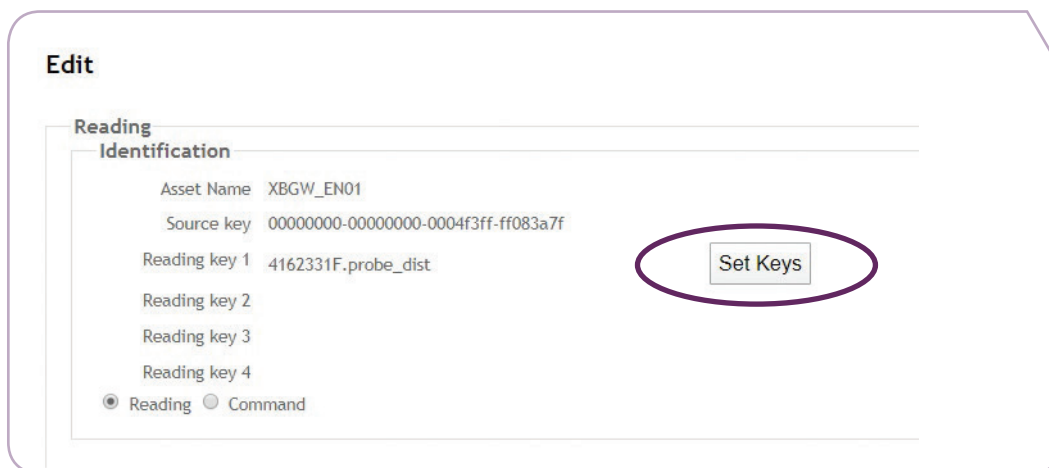
Readings for Asset: Antifreeze Tank

[Create New](#)

Name	Tan	Gateway	OutputType	SourceKey	ReadlineKeys	Last Value	Last Reported	Unreported after(min)	Alerts	Verified	
Antifreeze Tank		Haz Mat Gateway 2	% Full (%)	00000000-00000000-00409DFF-FF50DD85	000005E4.probe_dist	64%	2017-08-14 20:02:09Z	1380	No	✓	Edit Delete
Antifreeze Tank		Haz Mat Gateway 2	Empty (gals)	00000000-00000000-00409DFF-FF50DD85	000005E4.probe_dist	7430.61 gals	2017-08-14 20:02:09Z		No	✓	Edit Delete
Antifreeze Tank		Haz Mat Gateway 2	Full (gals)	00000000-00000000-00409DFF-FF50DD85	000005E4.probe_dist	12969.29 gals	2017-08-14 20:02:09Z		No	✓	Edit Delete
Antifreeze Tank		Haz Mat Gateway 2	Battery (V)	00000000-00000000-00409DFF-FF50DD85	000005E4.battery_level	6.000 V	2017-08-14 20:02:09Z		No	✓	Edit Delete
Antifreeze Tank		Haz Mat Gateway 2	Temperature (F)	00000000-00000000-00409DFF-FF50DD85	000005E4.temperature	104.00 F	2017-08-14 20:02:09Z		No	✓	Edit Delete
Antifreeze Tank		Haz Mat Gateway 2	Depth (in)	00000000-00000000-00409DFF-FF50DD85	000005E4.probe_dist	236 in	2017-08-14 20:02:09Z		No	✓	Edit Delete

Page 1 of 1 << < Prev Next > >>
Debug context: Source: Asset SourceId: 6292

- Click on **Set Keys** in edit window to open fields for **Asset Name**, **Source Key** and **Reading Key 1** when editing otherwise skip.



Edit

Reading Identification

Asset Name XBGW_EN01

Source key 00000000-00000000-0004f3ff-ff083a7f

Reading key 1 4162331F.probe_dist

Reading key 2

Reading key 3

Reading key 4

☒ Reading ☐ Command

[Set Keys](#)

Edit

Reading

Identification

Asset Name

XBGW_EN01

Source key

00000000-00000000-0004f3ff-ff083a7f

Reading key 1

4162331F.probe_dist

Set Keys

Reading key 2

Reading key 3

Reading key 4

☒ Reading

☐ Command

- Retrieve monitor's serial number from monitor label (see picture below) this will be used to construct reading keys.

NOTE: **Asset Name**, **Source Key** and **Reading Key** can only be changed when editing a reading key

- Select **Asset Name** of tank this monitor belongs to from drop-down box.
- Select **Source Key** of gateway that monitor will report to from drop-down box, source keys were set up in **Create a New Gateway** section.
- Retrieve monitor's serial number from monitor label (see picture below) this will be used to construct reading keys for TSM8000 monitored tanks only



- Input **Reading Key** 1 using lower case text. Leave other reading key fields blank.

Monitor Reading Key 1 examples:

- % Full: 00000000000000X.Range
- Full (gal): 00000000000000X.Range
- Empty (gal): 00000000000000X.Range
- Battery (V): 00000000000000X.BV
- Temperature (F or C): 00000000000000X.DegC

- Click on **Reading** radio button.

- Scroll down edit window to **Processing section**:

Processing

Input UOM inches

Unreported after(min)

Input type Standard ▾

Output type % Full (%) ▾

Significant digits 0

☐ Accumulate Values

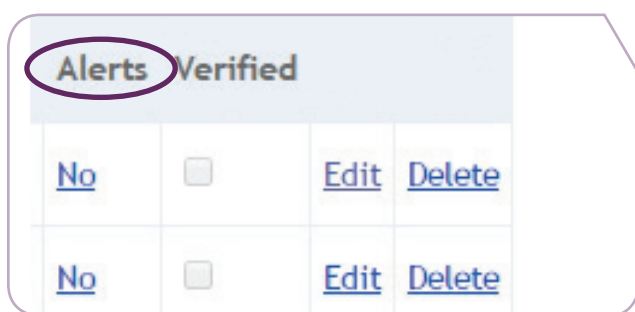
☐ Adjust Input

☒ Apply Lookup Table

Input	Output
0	100
1	100
2	100
3	100

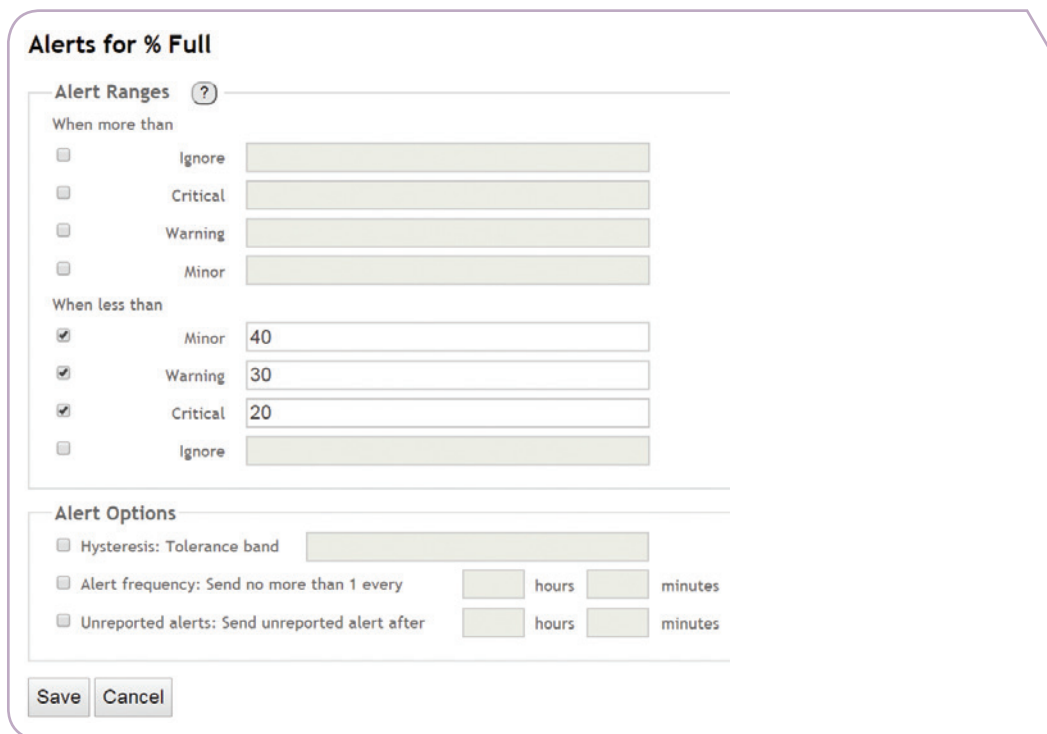
- Input unit of measurement into **Input UOM** field.
 - % Full (%), Full (UOM), and Empty (UOM) use "inches"
 - Battery uses "volts"
 - Temperature uses "celsius"
- Leave **Unreported after** field blank.
- Select **Standard** from **Input type** drop-down box.
- Select **Output type** from drop-down box.
 - % Full use "% Full (%)"
 - Full use "Full (gal)"
 - Empty use "Empty (gal)"
 - Battery use "Battery (V)"
 - Temperature use "Temperature (F)" for Fahrenheit.
- Input number of digits to right of decimal point in **Significant Digits** field.
 - % Full use "0"
 - Full and Empty use "1"
 - Battery (V) use "2"
 - Temperature (F or C) use "1"
- Leave **Accumulate Values** check box unchecked.
- Check **Adjust Input** check box only for displaying Temperature in Fahrenheit units, leave unchecked for Celsius and all other parameters.
 - Set "Offset" value to "0"
 - Set "Scale" value to "1.8"
 - Set "Adder" value to "32"

- Leave **Apply Lookup Table** check box unchecked until monitor is installed;
Important: contact ATEK Technical Support to apply a lookup table to each monitor after installation. This is required to convert raw monitor readings into tank level readings.
- **Adjust Output** checkbox - Do Not Use.
- Click on **Save** at bottom of edit window.
- Configure/edit alerts for monitor parameters.
 - Alerts can be configured on any parameter to generate text or e-mail messages automatically whenever a parameter value exceeds a user defined limit.
- Click on **Yes** or **No** under Alerts heading of **% Full** parameter to configure alert conditions. Alerts are not typically configured for other parameters.



Alerts Verified			
No	<input type="checkbox"/>	Edit	Delete
No	<input type="checkbox"/>	Edit	Delete

- Alerts for % Full window will open.



Alerts for % Full

Alert Ranges (?)

When more than

- ☐ Ignore
- ☐ Critical
- ☐ Warning
- ☐ Minor

When less than

- ☒ Minor: 40
- ☒ Warning: 30
- ☒ Critical: 20
- ☐ Ignore

Alert Options

- ☐ Hysteresis: Tolerance band
- ☐ Alert frequency: Send no more than 1 every hours minutes
- ☐ Unreported alerts: Send unreported alert after hours minutes

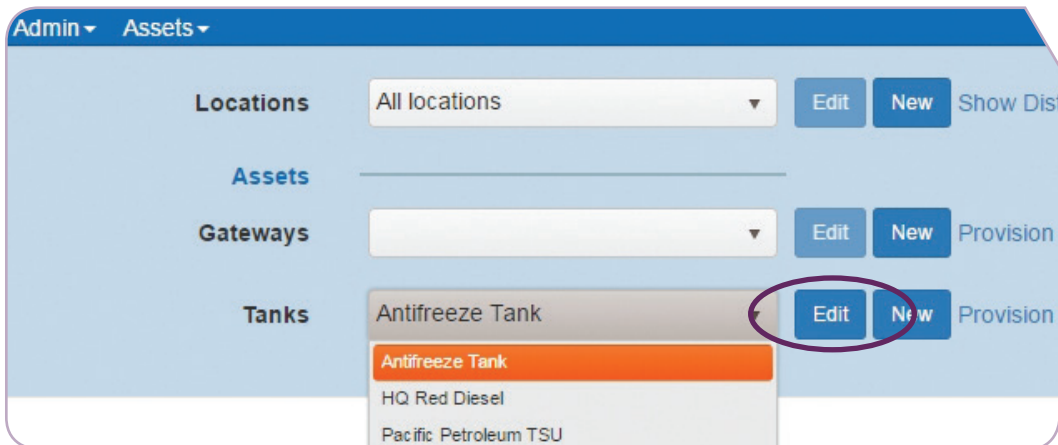
Save **Cancel**

- In example on previous page, alert levels are in terms of % Full reading key with a scale of 0 – 100%.
- Activate any alert level by clicking on check box next to desired alert, then type in its value. Note that while there are many alert options to choose, none, some, or all can be utilized.
- **Ignore** levels are typically not used in tank level applications and should be unchecked.
- Use **Hysteresis Tolerance Band** to prevent over alerting by creating a buffer around an alert level. Click on **Hysteresis** checkbox to enable, then type in its value. When an alert level is triggered it cannot be reset until tank level has passed through this band, however more urgent alert levels are unaffected by it and are triggered at their respective levels. Make sure that an alert level plus its **Hysteresis Tolerance Band** do not encroach on another alert level.
- Use **Alert Frequency** to limit alert messages to only happening every so often instead of at any time in case over alerting is a concern.
- Use **Unreported Alerts** to send an alert if tank monitor does not report within time span set as measured from last reading. Care should be taken to make sure monitor's reporting interval (see Update Monitor parameters) is not more than this unreported alert interval otherwise needless alerts may be sent.
- Alerts for other reading keys are set in same manner and use same units as output type specified when reading key was created during tank monitor provisioning process.
- Alerts can be edited at any time and will be evaluated at next received report. **Alert Frequency** intervals and **Unreported Alerts** timer will be reset upon saving any new alert settings.
- Click on **Save**.
- Close out **Provisioning** web browser tab to conclude provisioning process.
- After setting up reading keys and alerts, the final step is to setup monitor's reporting interval, see **AIP Navigation/d. Viewing Tank Details/2. For Monitors Used in Tank Farm Applications/Update Monitor**.

6 Duplicate a Tank

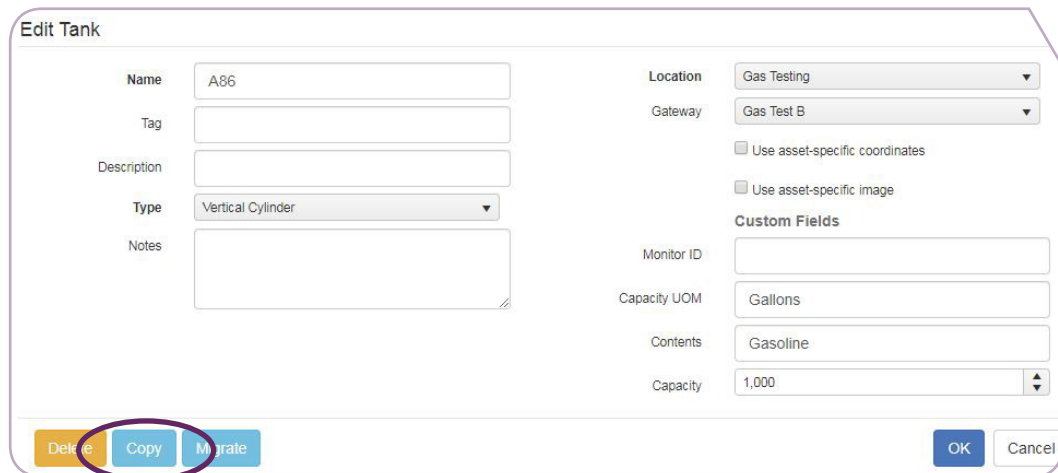
Tanks can be duplicated to make copies with similar provisioning set ups. Before copying, a new tank's location and monitor gateway must have been set up.

- Click on tank's **Edit** button.



The screenshot shows the 'Admin Assets' interface. Under the 'Tanks' section, a list of tanks is displayed: 'Antifreeze Tank', 'Antifreeze Tank', 'HQ Red Diesel', and 'Pacific Petroleum TSU'. The 'Antifreeze Tank' is highlighted. To the right of the list, there are buttons for 'Edit', 'New', and 'Provision'. The 'Edit' button is circled in red.

- This will open **Edit Tank** window.
- Click on **Copy**.



The screenshot shows the 'Edit Tank' window. It contains various fields for tank information: Name (A86), Tag, Description, Type (Vertical Cylinder), Notes, Location (Gas Testing), Gateway (Gas Test B), Monitor ID, Capacity UOM (Gallons), Contents (Gasoline), and Capacity (1,000). At the bottom left, there are buttons for 'Delete', 'Copy', and 'Migrate'. The 'Copy' button is circled in red.

- A new window will pop up to create a new tank asset.

Copy Asset 'A86'

Name

☐ Copy to a different business owner

Gateway

Gas Test B

Key 1 Modifier

Key 2 Modifier

OK

Cancel

- Fill out **Name** for new tank.
- Select gateway associated with new tank from **Gateway** drop-down menu.
- Enter serial number of new monitor into **Key 1 Modifier** field.



- This will change reading keys for new duplicated tank.
- Click **OK**.
 - A new tank site will be created from original tank with same details and provisioning parameters.

New copied tank will fill in its data next time its monitor reports in.

4/24/2017 6:06 PM	ATEK EP	41160201	290.5 gal	6.0 V	72.1 F
	ATEK EP	41160201 Copy			

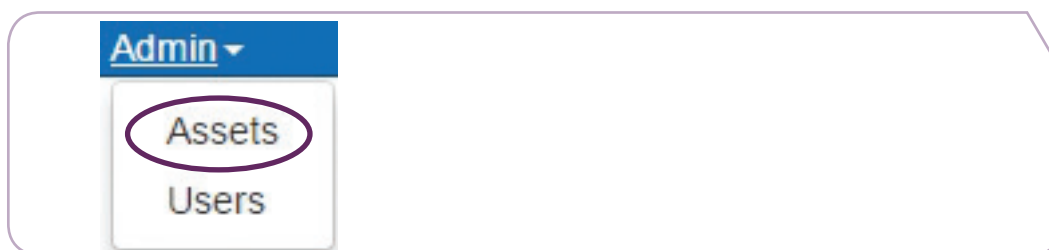
g. Administration (Admin)

It is common for AIP users to have to monitor multiple locations of tanks and have groups of locations called Districts. An account owner can view all districts and locations associated with their account. Users in AIP can be associated with Districts or Locations. Users associated with a district can have permissions for that district and all locations assigned to that district. A user associated with a location can only have permissions for that location.

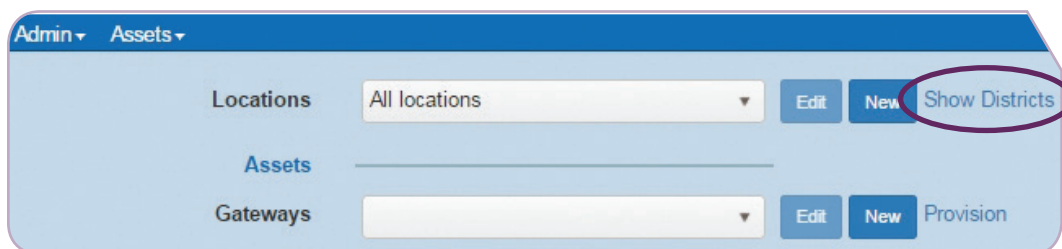
1 Districts

Set up districts to organize locations into groups for purposes such as service or ownership.

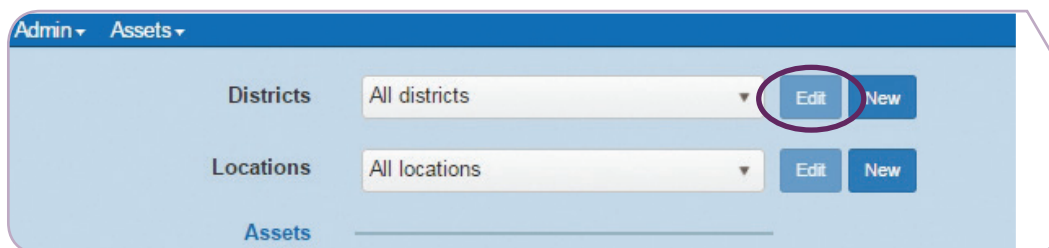
- Select **Admin**, then **Assets**.



- Click on **Show Districts** to begin setting up districts or to edit them.



- Click on appropriate button next to **Districts**. Select **New** or **Edit**.



- A district set up window will open.

New District

Name

Description

Notes

Contact Information

Contact

Phone

Alt Phone

Address

Address 1

Address 2

Address 3

City

Country

United States

State/Prov

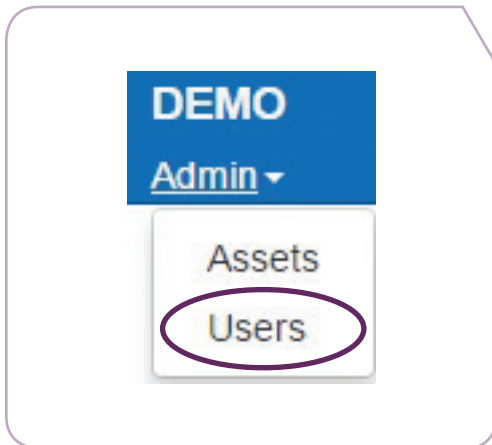
Postal Code

- Fill in district **Name** and **Description**.
- Fill in district **Contact** information.
- Fill in **Notes** if needed.
- Fill in **Address** information.
- Click on **Ok**.
- Once created locations can be assigned to Districts by editing each location and selecting a district from **District** drop-down menu.
- Once created Users can be assigned to Districts by editing each user and selecting **District Provisioner** or **District Viewer** from **Role** drop-down menu.
- Districts can be deleted by:
 - Unassign all assigned locations and users.
 - Click on **Delete** button in **Edit District** window.
 - When prompted with "Are you sure you want to delete district" in **Edit District** window, Click on **Delete**.

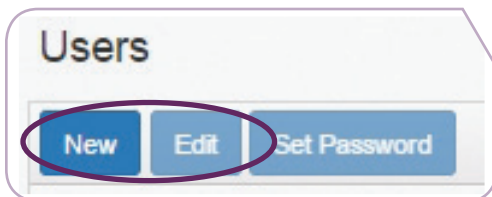
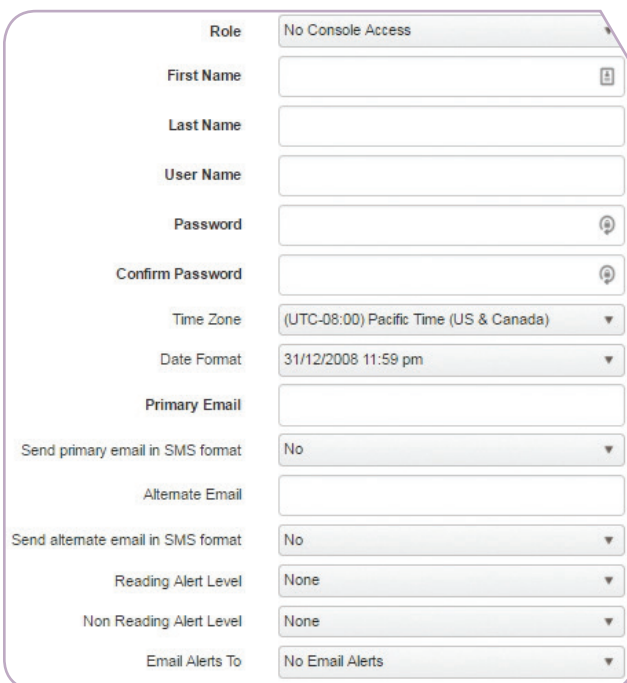
2 Users

Create users with roles that dictate their permissions for districts and locations.

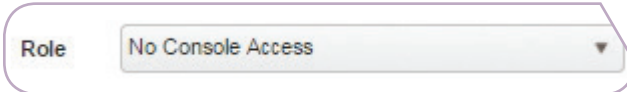
- Click **Admin/Users** to begin setup for each user.



- Click **New** to create a user or select a user and click on **Edit** and a form will pop up.



 A screenshot of a user creation form. The form has a "Role" dropdown menu at the top, currently set to "No Console Access". Below it are input fields for "First Name", "Last Name", "User Name", "Password", and "Confirm Password". The "Password" and "Confirm Password" fields have eye icons for toggling visibility. Below these are dropdown menus for "Time Zone" (set to "(UTC-08:00) Pacific Time (US & Canada)"), "Date Format" (set to "31/12/2008 11:59 pm"), "Primary Email", "Send primary email in SMS format" (set to "No"), "Alternate Email", "Send alternate email in SMS format" (set to "No"), "Reading Alert Level" (set to "None"), "Non Reading Alert Level" (set to "None"), and "Email Alerts To" (set to "No Email Alerts").

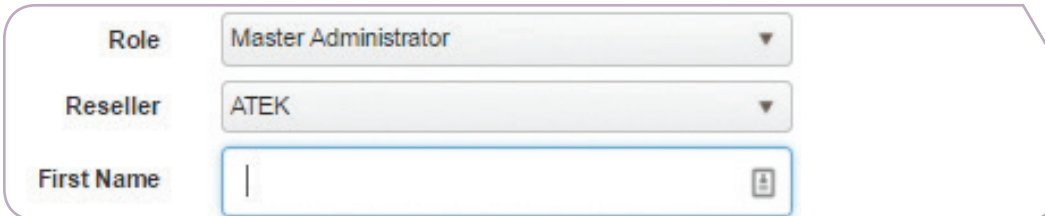
- Select security level from **Role** drop-down box.



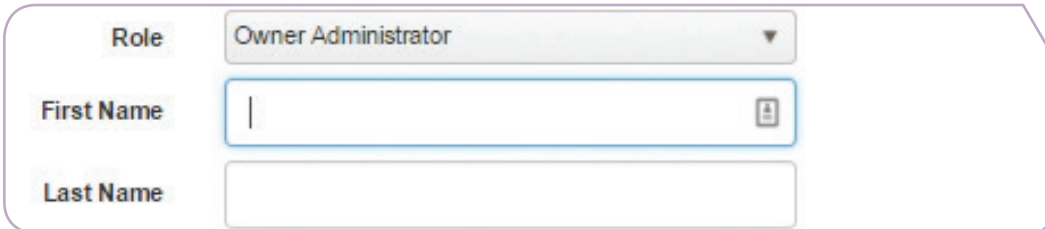
Security hierarchy is as follows:

- Master Administrator** – reserved for ATEK Access Technologies personnel
- Owner Administrator** – can create locations and provision gateways and tanks for all owner's districts and locations
- Owner Dispatcher** – do not use
- Owner Viewer** – view only access to owner's districts and locations
- District Provisioner** – can create locations and provision gateways and tanks for district and their locations
- District Viewer** – view only access of a district and their locations
- Customer Provisioner** – can create and provision gateways and tanks for one location
- Customer Viewer** – view only access for one location
- No Console Access** – assigned to users to prevent access to AIP, but they can receive alerts same as an owner if alerts are enabled in their user profile

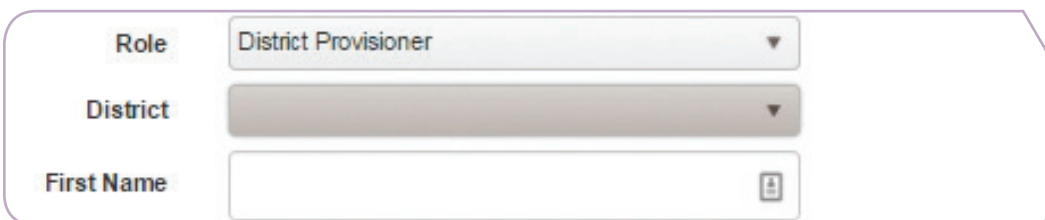
- User roles after being selected may present an additional drop-down box.



- Owner roles and No Console Access do not allow any other selections.

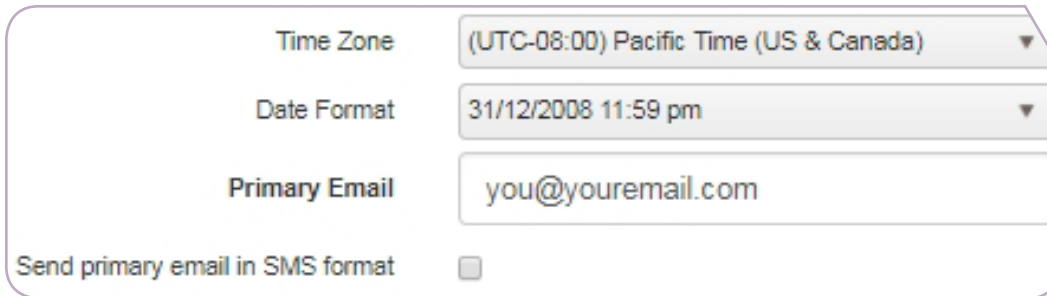


- District roles allow selecting District. Users assigned to district roles can be associated with one district.



- Customer roles allow selecting a location. Users assigned a customer role can be associated with one location.

- Enter in **Names**.
- Assign **User Name** (write this down as it will need to be passed along to user).
- Assign **Password** (write this down as it will need to be passed along to user).
- Select **Time Zone** from drop-down box to select time zone for data time stamps that are displayed.
- Select desired **Date Format**.
- To send e-mail message alerts, enter in user's e-mail address in **Primary Email** or **Alternate Email** field and leave **Send primary email in SMS format** checkbox blank.



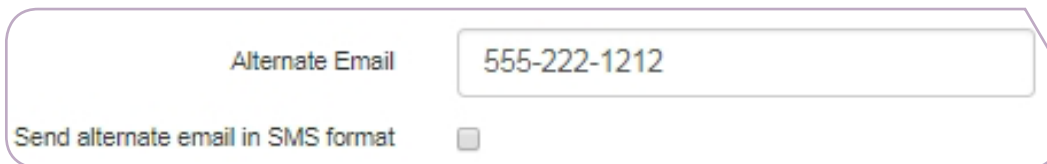
Time Zone: (UTC-08:00) Pacific Time (US & Canada)

Date Format: 31/12/2008 11:59 pm

Primary Email: you@youremail.com

Send primary email in SMS format: ☐

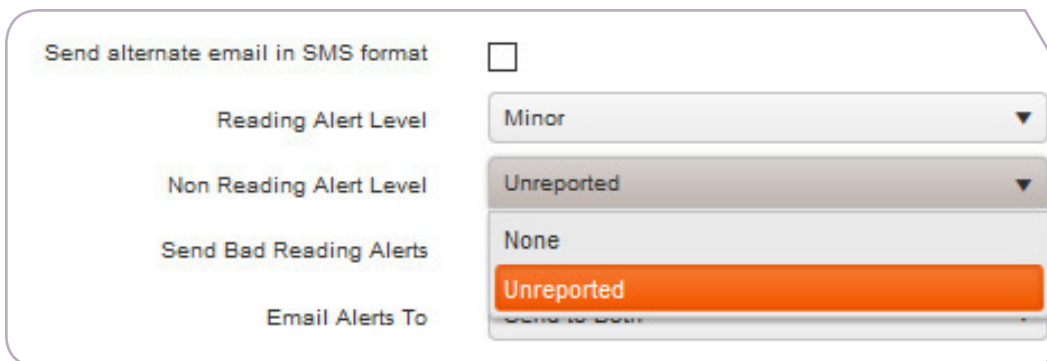
- To send text message alerts, enter in phone number in **Alternate Email** field and leave **Send alternate email in SMS format** checkbox blank.



Alternate Email: 555-222-1212

Send alternate email in SMS format: ☐

- Select Alert level from **Reading Alert Level** drop-down selection box and select either Warning or Critical that alert messages begin sending from. Also select which e-mail to send alert to with **Email Alerts** dropdown selection box. Set **Reading Alert Level** to **None** to disable sending of alert messages.



Send alternate email in SMS format: ☐

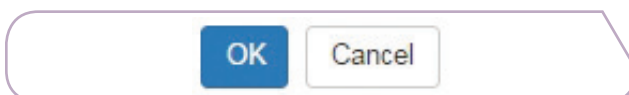
Reading Alert Level: Minor

Non Reading Alert Level: Unreported

Send Bad Reading Alerts: None

Email Alerts To: Unreported

- Set **Non Reading Alert Level** to **None**.
- **Send Bad Reading Alerts** checkbox - Do Not Use.
- Click **OK**.



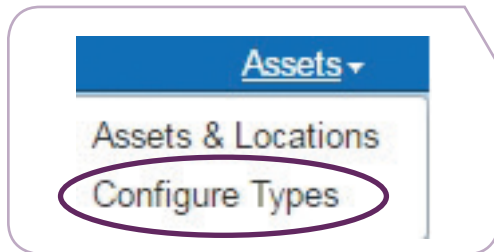
OK Cancel

- Repeat for all other users.








3 Configure Asset Types

Assets such as Locations, Gateways, and Tanks can have types created with icons associated with them. These types are selected from drop-down box when locations, gateways, and tanks are created or edited. Asset Type icons will appear on map for assets with validated addresses.

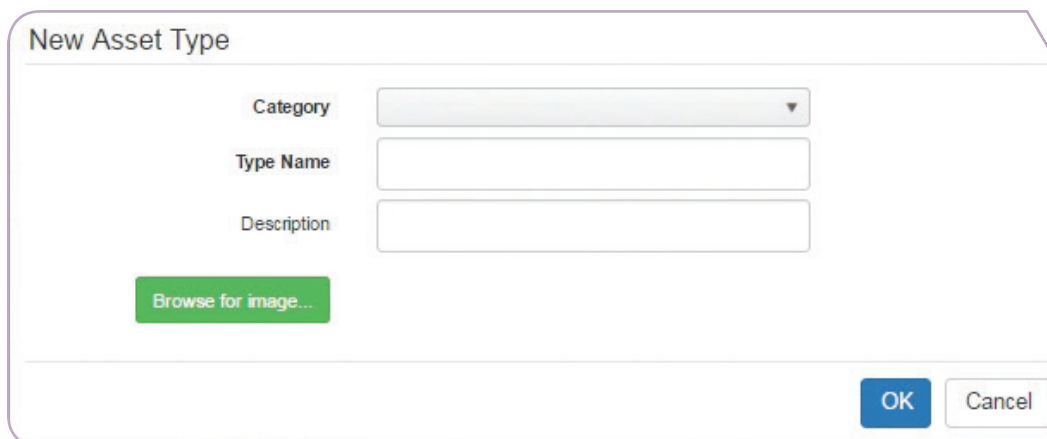
- Click **Assets/Configure Types** to create Location, Gateway, and Tank types.



- Asset Types window will open. These types are used to display assets such as tanks in graphical form in AIP.

Types			
<div>New Edit</div>			
Category ▲ ▼	Name ▼	Description ▼	Icon
Location	Garage	Garage	
Location	Office	Office	
Tank	Rectangular Tank	Bulk	
Tank	Other		
Tank	Horizontal Cylinder	Cylinder	
Tank	Horizontal Cylinder Domed	Bulk	
Tank	Oval Tank	Oval	

- Click on **New** button to create a new Asset Type.



New Asset Type

Category:

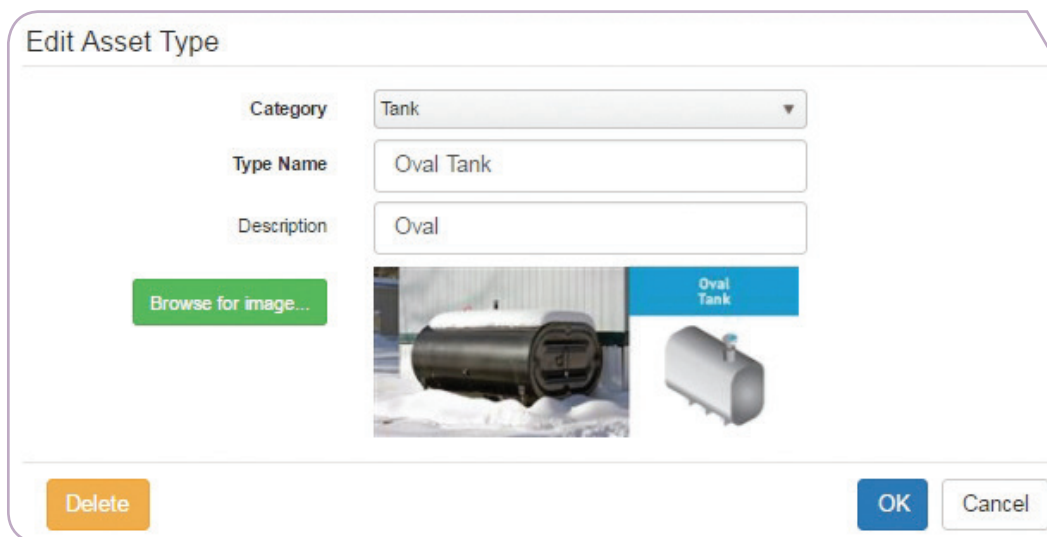
Type Name:

Description:

[Browse for image...](#)

OK **Cancel**

- Click on **Category** to select **Gateway**, **Location**, or **Tank**.
- Fill in **Type Name** field with type of Gateway, Location, or Tank.
- Fill in **Description** field with text describing asset type being created.
- Click on **Browse for image**. To associate a picture file as an icon for that asset type, icon size should be approximately 400 pixels high by 1000 pixels wide.
- Click on **OK**.
- To edit an asset type, select asset from list.
- Click on **Edit** to change **Category**, **Type Name**, **Description**, and **Image** then click on **OK**.




Edit Asset Type


Category:

Type Name:

Description:

[Browse for image...](#)





Delete **OK** **Cancel**

- Click on **Delete** to remove that asset type.

ATEK Tech Support

For questions in regards to this Instruction Guide or AIP, please contact ATEK Tech Support at 877-847-7226 or CCT@tankscan.com.

223-0144-002 Rev. F 5/20

10025 Valley View Road, Ste. 190
Eden Prairie, MN 55344 U.S.A.
www.atekaccess.com

Email: CCT@tankscan.com
Sales & Order Processing: 800-523-6996
Technical Support: 877-847-7226



Access the power of technology.