



**INTEGRATION TECHNOLOGIES LIMITED**  
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# Enabler Web Applications

## Reference Manual

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## Contents

<b>1</b>	<b>Introduction .....</b>	<b>9</b>
<b>1.1</b>	<b>Compatible Browsers .....</b>	<b>10</b>
<b>1.2</b>	<b>Enabler Desktop .....</b>	<b>11</b>
<b>1.2.1</b>	<b>Web Server.....</b>	<b>11</b>
<b>1.2.2</b>	<b>Accessing Enabler Desktop Web Apps .....</b>	<b>13</b>
<b>1.2.3</b>	<b>Enabler Card Hardware Types.....</b>	<b>14</b>
<b>1.3</b>	<b>Enabler Embedded .....</b>	<b>14</b>
<b>1.3.1</b>	<b>Accessing Enabler Embedded Web Apps .....</b>	<b>14</b>
<b>1.4</b>	<b>User Access .....</b>	<b>14</b>
<b>1.5</b>	<b>Web page layout .....</b>	<b>15</b>
<b>1.6</b>	<b>Web page navigation.....</b>	<b>16</b>
<b>1.7</b>	<b>Entering of data and correcting errors.....</b>	<b>17</b>
<b>1.8</b>	<b>Language Settings .....</b>	<b>17</b>
<b>1.9</b>	<b>Activation .....</b>	<b>18</b>
<b>2</b>	<b>Configuration .....</b>	<b>19</b>
<b>2.1</b>	<b>Site Settings.....</b>	<b>19</b>
<b>2.2</b>	<b>Features &amp; Options .....</b>	<b>23</b>
<b>2.3</b>	<b>Site Modes.....</b>	<b>27</b>
<b>2.3.1</b>	<b>Adding/Editing Site Modes .....</b>	<b>28</b>
<b>2.3.2</b>	<b>Pump Specific Profiles .....</b>	<b>31</b>
<b>2.4</b>	<b>Grades.....</b>	<b>33</b>
<b>2.4.1</b>	<b>Adding/Editing a Grade.....</b>	<b>34</b>
<b>2.4.2</b>	<b>Blending .....</b>	<b>36</b>
<b>2.5</b>	<b>Cards .....</b>	<b>37</b>
<b>2.5.1</b>	<b>Card Details Page.....</b>	<b>39</b>
<b>2.5.2</b>	<b>Replace Card Details Page .....</b>	<b>40</b>
<b>2.6</b>	<b>Ports.....</b>	<b>41</b>
<b>2.6.1</b>	<b>Enabler Desktop .....</b>	<b>41</b>
<b>2.6.2</b>	<b>Enabler Embedded .....</b>	<b>43</b>
<b>2.6.3</b>	<b>Extended Ports .....</b>	<b>45</b>
<b>2.7</b>	<b>Pumps .....</b>	<b>46</b>
<b>2.7.1</b>	<b>Adding/Editing a Pump .....</b>	<b>47</b>
<b>2.7.2</b>	<b>Add a Mechanical Pump .....</b>	<b>50</b>

<b>2.8 Tanks.....</b>	<b>51</b>
<b>2.8.1 Adding/Editing a Tank.....</b>	<b>52</b>
<b>2.9 Tank Gauges .....</b>	<b>55</b>
<b>2.9.1 Adding/Editing a Tank Gauge .....</b>	<b>56</b>
<b>2.10 Attendants .....</b>	<b>58</b>
<b>2.10.1 Adding/Editing an Attendant .....</b>	<b>58</b>
<b>2.11 Tags.....</b>	<b>59</b>
<b>2.11.1 Adding/Editing a Tag.....</b>	<b>60</b>
<b>2.12 Tag Controllers.....</b>	<b>61</b>
<b>2.12.1 Adding/Editing a Tag Controller.....</b>	<b>62</b>
<b>2.12.2 Adding/Editing a Tag Reader.....</b>	<b>63</b>
<b>2.12.3 Cloning a Tag Reader.....</b>	<b>64</b>
<b>3 Operation.....</b>	<b>65</b>
<b>3.1 Site Monitor .....</b>	<b>65</b>
<b>3.1.1 Unlock Deliveries confirmation page .....</b>	<b>68</b>
<b>3.2 Site Mode Change .....</b>	<b>69</b>
<b>3.3 Grade Prices.....</b>	<b>70</b>
<b>3.4 Grade Price Profiles .....</b>	<b>71</b>
<b>3.4.1 Setting Grade Price Profile .....</b>	<b>72</b>
<b>3.4.2 Grade Price Profile Details page .....</b>	<b>73</b>
<b>3.5 Blocking .....</b>	<b>74</b>
<b>3.5.1 Blocking Hoses .....</b>	<b>76</b>
<b>3.5.2 Blocking Attendants.....</b>	<b>76</b>
<b>3.6 Blocking Overview .....</b>	<b>77</b>
<b>3.7 Fallback Control (Enabler Embedded Only).....</b>	<b>79</b>
<b>3.7.1 Fallback Mode .....</b>	<b>79</b>
<b>3.7.2 Overview.....</b>	<b>79</b>
<b>4 Fuel Reconciliation .....</b>	<b>81</b>
<b>4.1 Wetstock Tank Data .....</b>	<b>81</b>
<b>4.2 Wetstock Pump Data.....</b>	<b>82</b>
<b>4.3 Fuel Reconciliation (Enabler Desktop only).....</b>	<b>83</b>
<b>4.3.1 Fuel Reconciliation Process .....</b>	<b>83</b>
<b>4.3.2 First Fuel Reconciliation period .....</b>	<b>84</b>
<b>4.3.3 Opening Stock Level .....</b>	<b>85</b>
<b>4.3.4 Adding Opening Stock Levels.....</b>	<b>86</b>

<b>4.3.5</b>	<b>Adding Dips</b> .....	<b>87</b>
<b>4.3.6</b>	<b>Tank Movements</b> .....	<b>90</b>
<b>4.3.7</b>	<b>Pump Meters</b> .....	<b>97</b>
<b>4.3.8</b>	<b>Reports</b> .....	<b>100</b>
<b>4.3.9</b>	<b>Approve for Export</b> .....	<b>104</b>
<b>5</b>	<b>Support</b> .....	<b>107</b>
<b>5.1</b>	<b>System Status</b> .....	<b>108</b>
<b>5.2</b>	<b>Activation</b> .....	<b>112</b>
<b>5.2.1</b>	<b>Online Activation</b> .....	<b>114</b>
<b>5.2.2</b>	<b>File Activation</b> .....	<b>114</b>
<b>5.2.3</b>	<b>Activation problems</b> .....	<b>115</b>
<b>5.2.4</b>	<b>Save Activation</b> .....	<b>115</b>
<b>5.3</b>	<b>Remote Alert Setup (Enabler Embedded Only)</b> .....	<b>116</b>
<b>5.3.1</b>	<b>Email Alert settings</b> .....	<b>117</b>
<b>5.3.2</b>	<b>Connection settings</b> .....	<b>119</b>
<b>5.4</b>	<b>Logs (Enabler Embedded Only)</b> .....	<b>120</b>
<b>5.5</b>	<b>Backup and Restore (Enabler Embedded Only)</b> .....	<b>121</b>
<b>5.5.1</b>	<b>Upload Backup and Restore</b> .....	<b>122</b>
<b>5.5.2</b>	<b>Automatic Backup settings</b> .....	<b>123</b>
<b>5.6</b>	<b>Network Settings (Enabler Embedded Only)</b> .....	<b>124</b>
<b>5.6.1</b>	<b>Enable SSL</b> .....	<b>124</b>
<b>5.7</b>	<b>DateTime and Region (Enabler Embedded Only)</b> .....	<b>126</b>
<b>5.7.1</b>	<b>Date and Time</b> .....	<b>127</b>
<b>5.7.2</b>	<b>Time Zone</b> .....	<b>127</b>
<b>5.7.3</b>	<b>Set Time Automatically</b> .....	<b>127</b>
<b>5.7.4</b>	<b>Regional Settings</b> .....	<b>128</b>
<b>5.8</b>	<b>Software Installation (Enabler Embedded Only)</b> .....	<b>129</b>
<b>6</b>	<b>Security</b> .....	<b>130</b>
<b>6.1</b>	<b>User/Roles</b> .....	<b>130</b>
<b>6.1.1</b>	<b>Adding/Editing Users</b> .....	<b>131</b>
<b>6.1.2</b>	<b>Adding/Editing Roles</b> .....	<b>133</b>
<b>6.2</b>	<b>Terminals</b> .....	<b>135</b>
<b>6.2.1</b>	<b>Adding/Editing Terminals (API Clients)</b> .....	<b>136</b>
<b>7</b>	<b>Reports</b> .....	<b>138</b>
<b>7.1</b>	<b>Reports navigation</b> .....	<b>138</b>

<b>7.2 Fuel Transaction.....</b>	<b>139</b>
<b>7.2.1 Fuel Transaction Report Filter.....</b>	<b>140</b>
<b>7.3 Delivery History.....</b>	<b>142</b>
<b>7.3.1 Delivery History Report filter .....</b>	<b>144</b>
<b>7.4 Events .....</b>	<b>145</b>
<b>7.5 Pump Totals .....</b>	<b>147</b>
<b>7.6 Tank Totals.....</b>	<b>149</b>
<b>7.7 Attendant Totals .....</b>	<b>150</b>

## Document History

Rev	Date	Description
1.43	30/01/2019	Updated screenshot of Site Monitor page with Unlock Delivery button. Added the Unlock Delivery Confirmation page. Updated screenshot of tank graphic which has been changed.
1.42	11/10/2018	Added screenshot of Embedded System Status page showing extra information
1.41	4/10/2018	Added Download System Summary link in the System Status page.
1.40	15/8/2018	Added SSL support in Network Settings page. Added SSL note for Internet Explorer 9.0. Added Remote Alert note for Google's SMTP server.
1.39	1/6/2018	Simplified and reworded some sections for clarity.
1.38	6/4/2018	Added section for Enabler Hardware types and the Cards page.
1.37	31/07/2017	Updated to include Network Time synchronisation on Date/Region page.
1.36	6/07/2017	Updated Software Activation sections based on new Activation policy.
1.35	22/3/2017	Minor corrections and accepted previous document changes. Updated the example Status page for Embedded and added a note about "Tanks Status".
1.34	19/9/2016	Added note for browser/OS SSL compatibility. Updated description for Support Attendant setting.
1.33	13/7/2016	Updated supported browser version internet explorer
1.32	16/04/2016	Updated Site Monitor and Tag pages
1.31	20/04/2016	Added Attendant, Tag Controller and Tag Configuration pages Added Attendant Totals Report page Added new Authorisation modes in Site Modes page (Attendant Tag and External Tag) Added Uploading External Tag Data via Backup page for Embedded
1.30	23/12/2015	Added Microsoft Edge into the Compatible Browsers List.
1.29	12/11/2015	Updated Reports page screenshots and corresponding contents. Updated Fuel Transaction and Delivery History report pages to include the Start Date and Time filter.
1.28	23/10/2015	Added Grade Code on Grades Page
1.27	13/10/2015	Removed IE7 from list of Compatible Browsers
1.26	30/07/2015	Updated System Status screenshot for Embedded
1.25	27/07/2015	Added in Blocking overview page: Tank's low level and Tank's delivery blocking events
1.24	22/04/2015	Updated timeout settings for the Site Settings page.
1.23	24/02/2015	Updated for the new Site Mode Change page.
1.22	15/01/2015	Updated Fuel Reconciliation Tank Movements screenshots. Added description for new elements in Tank Movements form.
1.21	26/11/2014	Updated screenshots. Now based on ITL branding guidelines. Added content on the Network section. Updated the "Approve For Export" section.
1.20	11/11/2014	Updated opening stock page screenshot in 4.3.3 Clarified purpose of the Data Entry Completed checkbox for the Fuel Reconciliation process. Updated the Fuel Reconciliation sections to indicate that period workflow can be controlled through the Features & Options page.
1.19	10/11/2014	Edited Fuel Reconciliation sections with updated screenshots and comments about newly added Cancel buttons

Rev	Date	Description
1.18	4/11/14	Updated Features & Options; Grade Prices and Grade Price Profiles section to include Auto PostMix Grade Prices. Added description for Integrator Code icon indicators in the Activation section. Updated the Adding Opening Stock Levels section to indicate that priority Tank Readings must be entered first. Clarified the purpose of the Save checkbox. Added Manual ATG Sensor as a valid Dip Type.
1.17	10/9/2014	Renamed Date settings submenu to DateTime and Region (EMB)
1.16	12/8/2014	Clarified that setting the Pump Profile stacking to use site mode setting will disable the Max stacked deliveries setting.
1.15	11/8/2014	Clarified that activating a Site Mode Profile from the Site Modes page will disable/un-tick the Auto site mode activation feature.
1.14	6/8/2014	Clarified instructions to access Enabler Web applications for Desktop and Embedded systems.
1.13	14/7/2014	Applied text and formatting corrections. Updated screenshots for Ports, Monitors, Tank dips, Activation, Events and Tank Totals pages.
1.12	1/7/2014	Updated screenshot of Site Settings and Feature & Options Page Updated Site Settings section for proper use of Profile Based Price Levels
1.11	4/6/2014	Expanded description of Terminal configuration. Added icons to highlight some key topics. Updated formatting for consistency.
1.10	24/4/2014	Applied minor formatting changes; Updated screen shots. Added maximum limit settings for Enabler Embedded.
1.9	21/4/2014	Updated Backup page; Rearranged sections; Corrected typographical errors.
1.8	24/3/2014	Updated styling. Corrected description of the Attendant 'clear deliveries' option in the Features and Options page.
1.7	18/9/2013	Updated ports section to include Enabler Embedded Linked details on title page to document properties. Removed review history section – not relevant for manual.
1.6	4/07/2013	Added sections for Enabler Embedded. Updated Activation section. Updated maximum limitation of Sit Settings
1.5	2/4/2013	Added UTF8 browser encoding requirement. Updated Activation section.
1.4	28/3/2013	Updated based on current V4 implementation. Corrected erroneous text. Added Activation section.
1.3	22/1/2013	Added Terminals, Approve For Export, Contacts and Grade Prices sections. Formatting changes, error corrections.
1.2	21/12/2012	Reorganized/Updated content based on revised menu.
1.1	18/06/2012	Formatting fixed, error corrections
1.0	1/06/2012	Document creation

## Notes

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- This document is formatted for A4 paper size; changing paper size in electronic versions may cause formatting problems.

# 1 Introduction

The contents of this manual are accurate at the time of publication and are subject to change without prior notice.

This manual describes the built-in web applications installed with the Enabler.

The first part describes how to log into the system and how to generally interact with the web site. The following sections go in to detail about each page available in the system.

Most screenshots included in this manual show the web page content without the menu.

## 1.1 Compatible Browsers

The Enabler Web applications have been tested to be compatible with all major browsers.

Browser		Version
Microsoft Edge		Version 20 or higher
Microsoft Internet Explorer		Version 9 or higher IE 9, IE 10 and IE 11 are expected to work
Mozilla Firefox		Version 3.x or higher
Google Chrome		Version 17 or higher
Safari		Version 5.x or higher
Opera		Version 11 or higher

The browser's character encoding must be set to **UTF-8** in order for non-English text to be displayed properly. Refer to your browser's documentation on how to set the encoding.

**Note1:** It is recommended that you use one of the browsers listed above to access the Enabler Web application. It may be possible to use browsers not listed above,

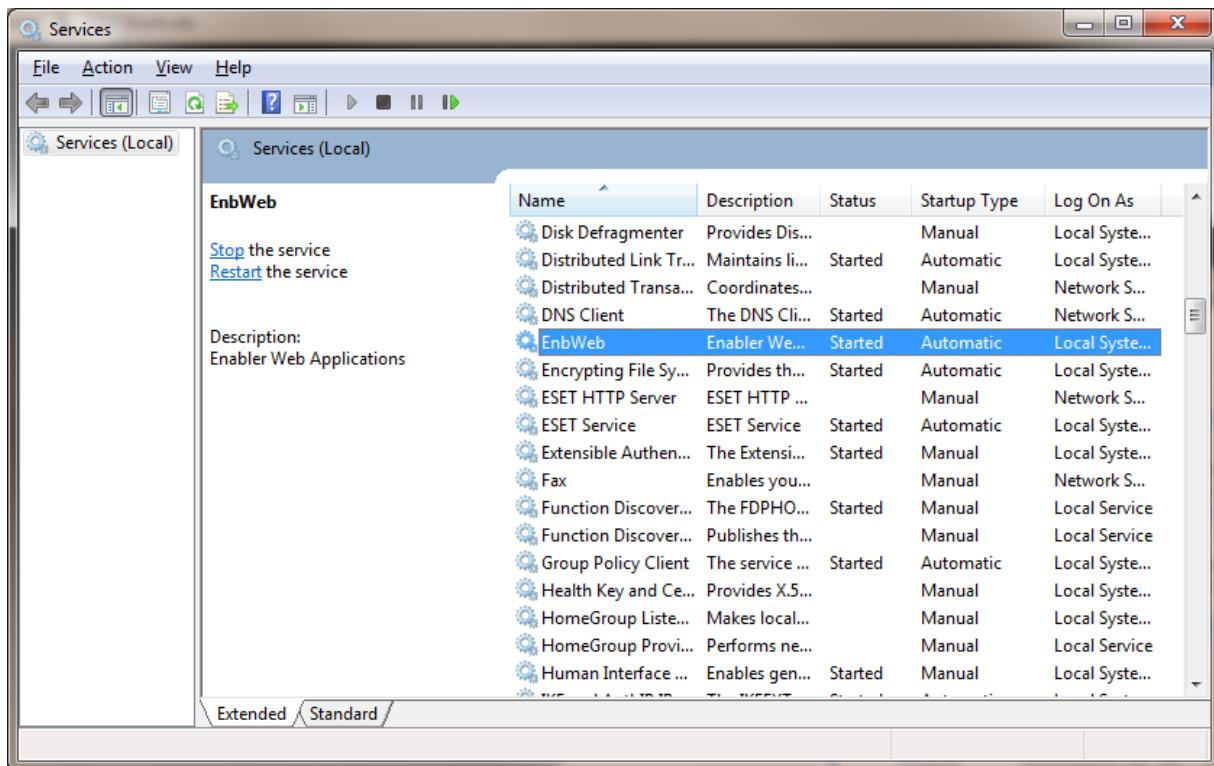
but unexpected behaviour may be encountered as they have not been extensively tested.

**Note2:** When using SSL for Enabler Web Applications, it is recommended that you use the latest browser version and latest updates for your OS platform. For chrome on iOS, ensure that you have at least iOS 8.1. For Internet Explorer, you need to turn TLS 1.1 and TLS 1.2 from the Advanced tab of the Internet Options menu.

## 1.2 Enabler Desktop

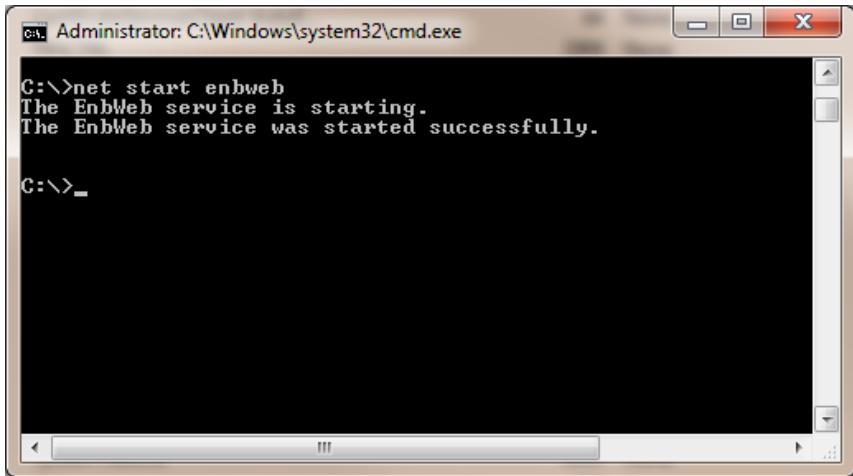
### 1.2.1 Web Server

The Enabler web application is a Windows service (EnbWeb) that runs in the background. Once the Enabler is installed, the web service runs automatically when your Enabler Server Computer is started. You may manage and control the service via the Windows Services control panel.



Alternately, you may control the service from the command line using the net command line. The web service name is EnbWeb

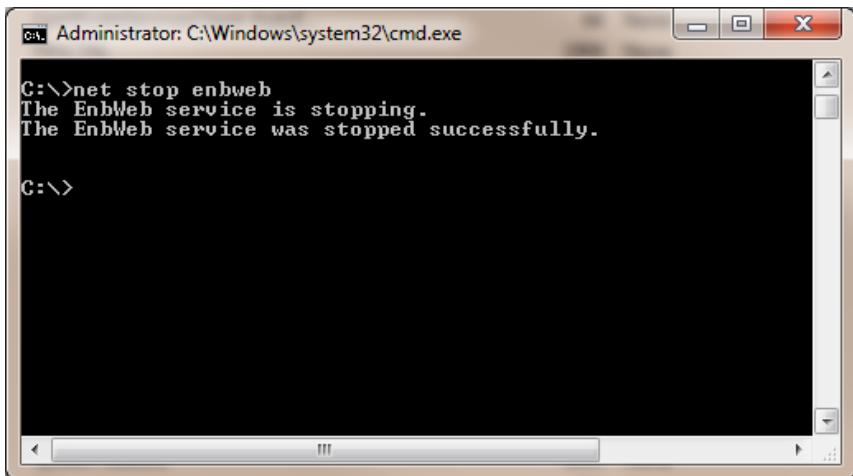
To start the service:



```
C:\>net start enbweb
The EnbWeb service is starting.
The EnbWeb service was started successfully.

C:\>
```

To stop the service:



```
C:\>net stop enbweb
The EnbWeb service is stopping.
The EnbWeb service was stopped successfully.

C:\>
```

Ensure that no one is using the Enabler web applications before stopping the service.

## 1.2.2 Accessing Enabler Desktop Web Apps

After installing the Enabler Server, you may access the Enabler Web Application login screen by browsing to the URL:

**<http://localhost:8081>**

If connecting from another computer use the computer name or IP address:

**<http://10.1.1.118:8081>**

Access to the Enabler Desktop Web Application uses the Port chosen during installation – by default port 8081 is used.

You can also connect using the “Enabler Web” shortcut in the Windows Start menu.

Below is the Enabler Desktop login screen:



Here you must enter your user name and password to access the system. User names and passwords are set up using the **[User/Role Security page](#)**.

The factory default user configuration is below, use this configuration to login in for the first time and change them afterwards.

User name : admin

Password : admin

The password **must** be changed to make the system secure.

## 1.2.3 Enabler Card Hardware Types

Enabler Cards supported by Enabler Desktop are:

- **Enabler PCI/Express** (includes **Enabler PCI**, **Enabler Express** and **Enabler Express V3**) – cards installed in a Desktop PC's local computer bus. Enabler Windows device drivers are required to be installed in the Enabler Server before they can be used by the Enabler Services and Applications.  
*Only one PCI/Express Card can be used at a time.*
- **Enabler E** – a network connected Enabler card. Enabler E connects to the Enabler Server via an Ethernet network interface. No Windows device driver is required. The Enabler Server must have network access to the Enabler E before they can be used by the Enabler Services and Applications.  
*Multiple Enabler E Cards can be setup.*

See the [Cards section](#) for more details.

## 1.3 Enabler Embedded

### 1.3.1 Accessing Enabler Embedded Web Apps

The Web Server in Enabler Embedded runs automatically when the system is powered on. To access the Web Applications, browse to the IP address shown on the LCD display – For example:

<http://10.1.1.140>

Access to the Enabler Embedded Web Application is always via Port 80.

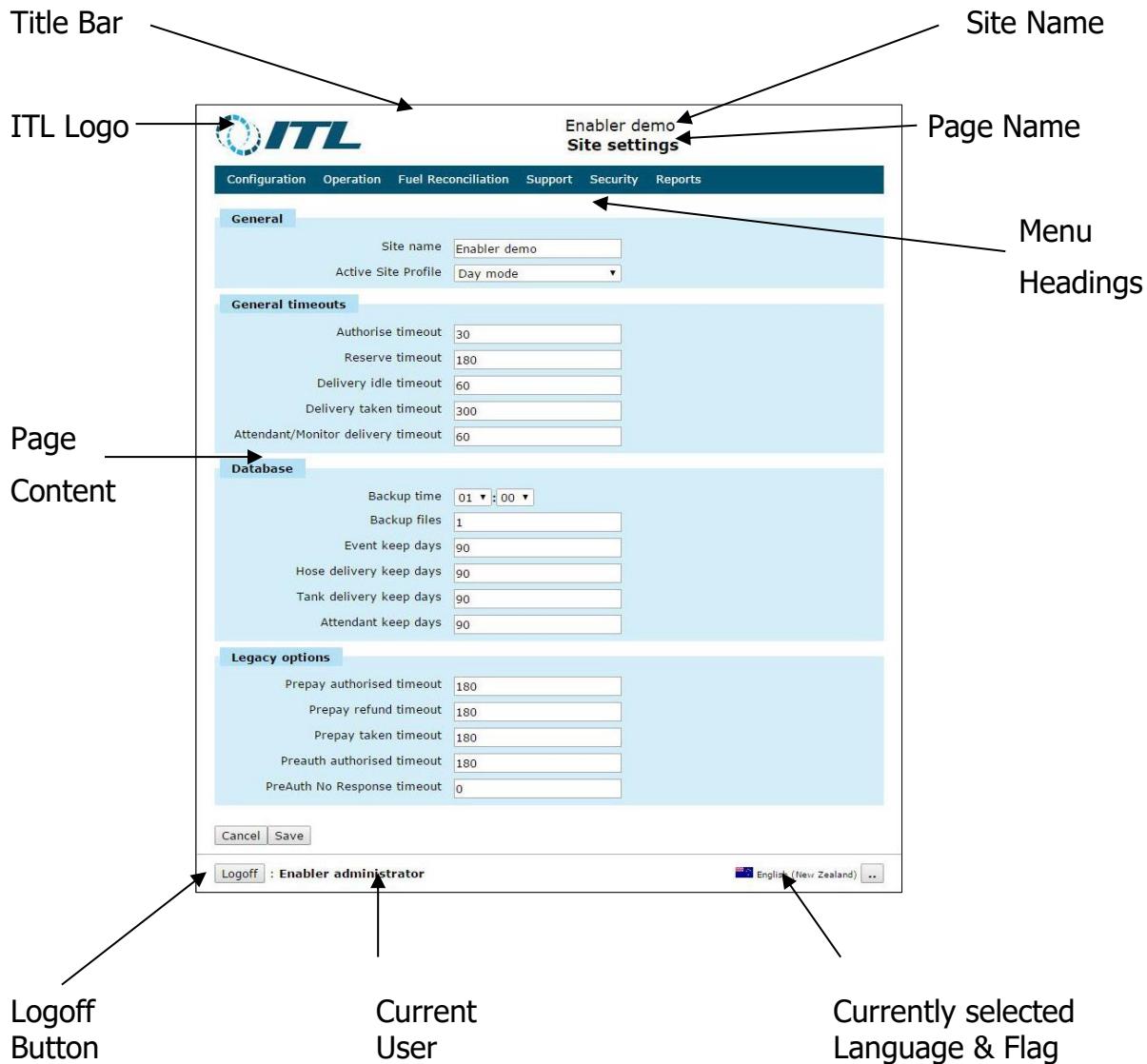
## 1.4 User Access

Users can be set up in the system with different access permissions. See the [Security section](#) for more information.

Depending on the user access settings, the user will see a set of menus displayed according to the user's settings. The first page displayed is the system status screen.

## 1.5 Web page layout

The following page shows the layout of the web site with admin user site settings. The admin has all access permission enabled so a full menu is shown.



## 1.6 Web page navigation

Users can navigate through various areas of the Enabler web by hovering over the menu items with the mouse to access the sub menus.



On tablet devices you need to tap the menus to display the sub menu items.

## 1.7 Entering of data and correcting errors

All data is entered into a form and then the Enter key or **Save** button is pressed to confirm the entry.

The data is then validated and if any validation errors are found, the invalid field will be highlighted in red with an explanatory message beside the field.

**Details**

Date and Time	Tuesday, 25 November 2014 00 : 00
Loss Volume	Invalid input
Tanks	Regular tank
Loss Type	Product Uplift
Doc Ref	
Details	
User ID	Enabler administrator

Shown here are examples of pages with errors. The first has no data in the Loss field and the second example has the wrong data.

**Details**

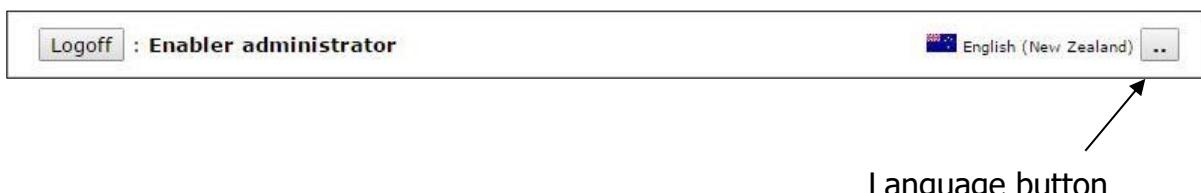
Date and Time	Tuesday, 25 November 2014 00 : 00
Loss Volume	abc Invalid input
Tanks	Regular tank
Loss Type	Product Uplift
Doc Ref	
Details	
User ID	Enabler administrator

The fields need to be corrected and the page confirmed again.

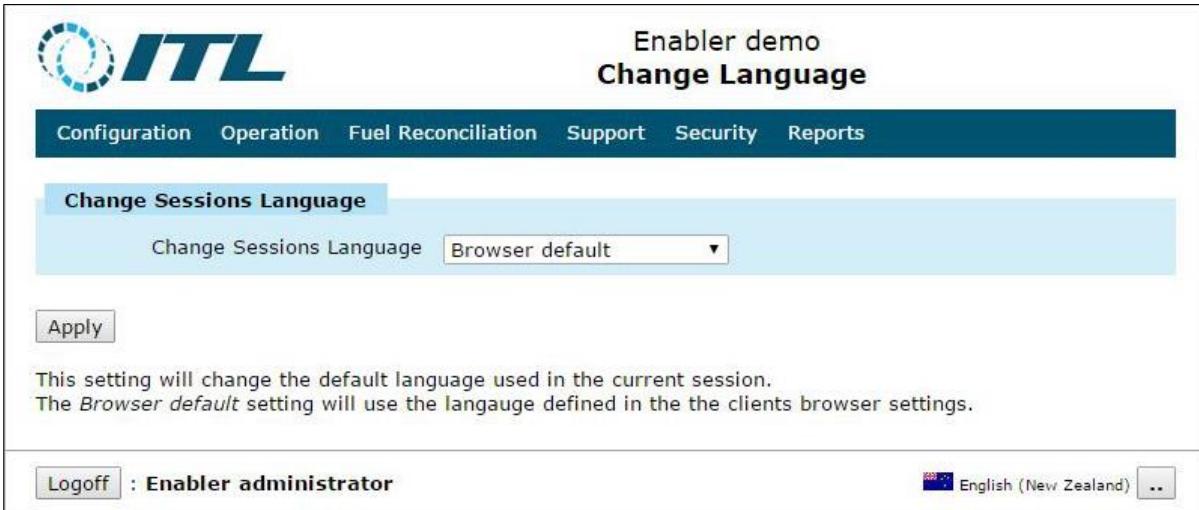
## 1.8 Language Settings

By default, Enabler will switch languages based on your browser's language configuration.

To change the language settings for the Enabler, click the language button at the bottom right side of the screen.



This will open the following screen:



**Browser Default:** The language set by the browser

**System Default:** The default language of the Operating System.

**English:** English language.

Clicking the **Apply** button will set the language change.

## 1.9 Activation



If you have Enabler Desktop V4.5.0 (or newer) with an Enabler Express, Enabler E Card or have Embedded V1.2.0 (or newer), then you may skip and ignore the **5.2 Activation** section.

If you're running on older Enabler releases **and/or** have an Enabler PCI card, then the Enabler Server must be **activated** by ITL's software license server after installation.

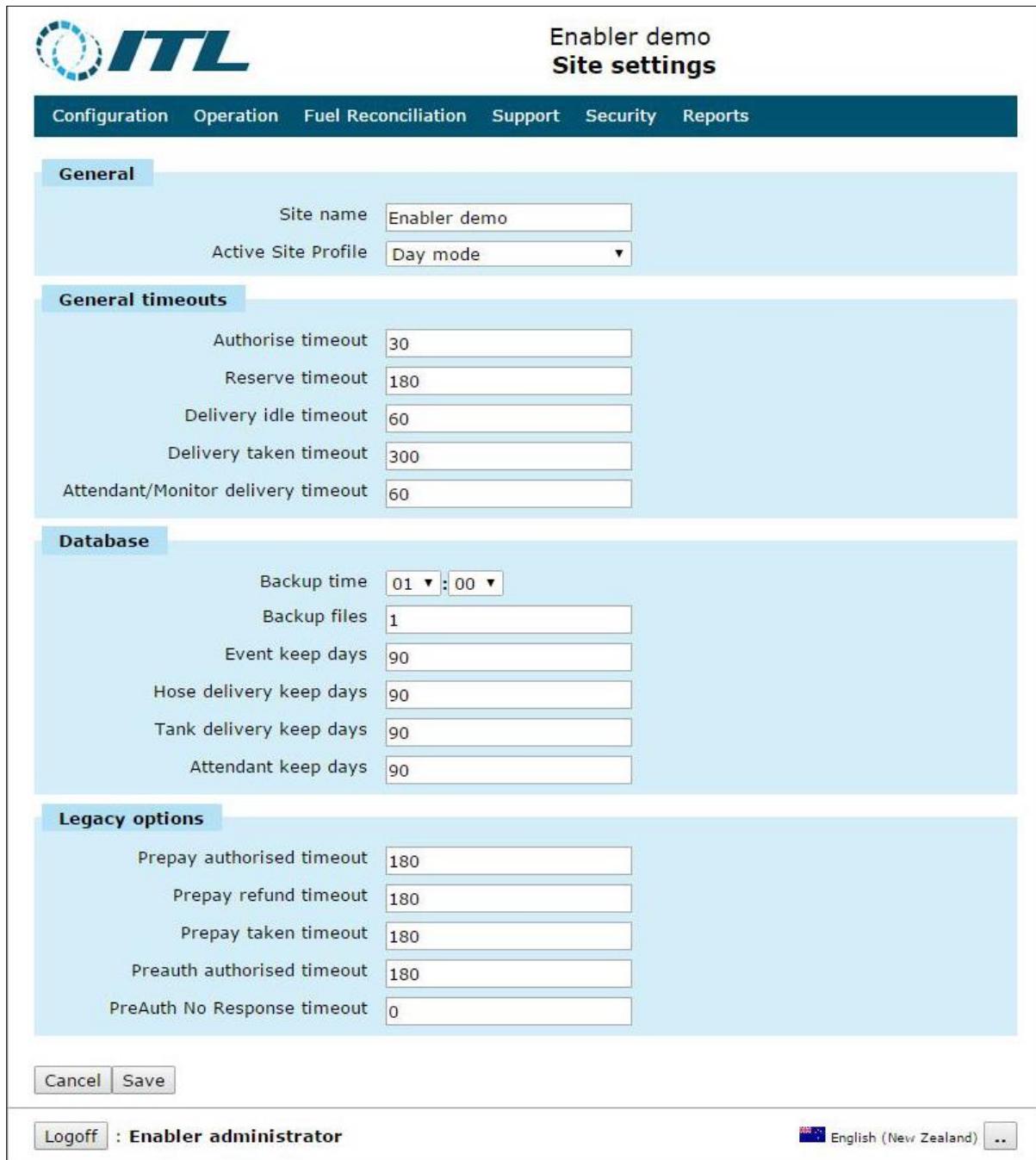
Refer to the [Activation section](#) for more details.

## 2 Configuration

The Configuration submenu provides site wide configuration and allows the user to setup forecourt grades and forecourt devices for their site.

### 2.1 Site Settings

The Site settings screen is used to configure a range of site-wide (system) parameters.



Enabler demo  
**Site settings**

Configuration Operation Fuel Reconciliation Support Security Reports

**General**

Site name: Enabler demo

Active Site Profile: Day mode

**General timeouts**

Authorise timeout: 30

Reserve timeout: 180

Delivery idle timeout: 60

Delivery taken timeout: 300

Attendant/Monitor delivery timeout: 60

**Database**

Backup time: 01 : 00

Backup files: 1

Event keep days: 90

Hose delivery keep days: 90

Tank delivery keep days: 90

Attendant keep days: 90

**Legacy options**

Prepay authorised timeout: 180

Prepay refund timeout: 180

Prepay taken timeout: 180

Prauth authorised timeout: 180

PreAuth No Response timeout: 0

**Buttons:** Cancel, Save

**Status Bar:** Logoff : Enabler administrator, English (New Zealand), ..

**General:**

**Site name:** A customizable name for the site.

**Active Site Profile:** This shows the site wide profile that is currently in use. Site Profiles can be managed from the [Site Modes](#) Configuration page.

**General Timeouts:**

**Authorise timeout:** The number of seconds that the pump stays authorised before reverting to idle/locked mode (the nozzle must be lifted within that time). This setting does not apply when auto authorise is enabled.

Maximum 9999 seconds.

**Reserve timeout:** The number of seconds that a pump reserve remains in place. After this timeout the reserve will be cancelled.

Maximum 9999 seconds.

**Delivery idle timeout:** The number of seconds after fuel flow has stopped and before the nozzle has been replaced, before a warning will be raised

Maximum 9999 seconds.

Set to zero (0) to disable this warning.

**Delivery taken timeout:** The number of seconds from the end of a delivery until the delivery is displayed in red on the Pump icon (indicating that this is a possible drive off).

Maximum 9999 seconds.

**Attendant/Monitor delivery timeout:** The number of seconds that a completed delivery is available (on the pump icon) before the Enabler clears and logs it as a 'monitored' delivery. This setting only applies if the current pump or site mode allows Monitors or Attendants.

Maximum 9999 seconds.

**Database:**

**Backup time:** Sets the time for the backup to be run.

**Backup files:** Maximum number of backup files to keep. The set of backup files is automatically archived and maintained.

Maximum: 31 files for Enabler Desktop. 7 files For Enabler Embedded.

**Event keep days:** The number of days that exception events remain in the system.

Maximum: 1000 days for Enabler Desktop. 31 for Enabler Embedded.

**Hose delivery keep days:** The number of days that completed hose delivery details remains in the system.

Maximum: 1000 days for Enabler Desktop. 31 for Enabler Embedded.

**Tank delivery keep days:** The number of days that completed tank drops (tanker deliveries) remains in the system.

Maximum 1000 days for Enabler Desktop. 31 for Enabler Embedded.

**Attendant keep days:** The number of days that closed attendant periods remains in the system.

Maximum 1000 days for Enabler Desktop. 31 for Enabler Embedded.

**Legacy Options:**

These apply to the Enabler ActiveX API only; they do not apply to the V4 API.

**Prepay authorised timeout:** The number of seconds that the pump will stay authorized for a prepay, before the nozzle is lifted. This determines the available time the customer has to start the prepay delivery, after a prepay is finalized at the POS.

Maximum 9999 seconds.

**Prepay refund timeout:** When a prepay is not delivered to the full amount, the remaining amount will be shown on the pump icon as a prepay delivery refund. This timeout determines how long the prepay refund remains on the icon. After this time period expires, the prepay refund will be cleared automatically.

Maximum 9999 seconds.

Set to zero (0) to disable prepay refund timeout – the refund delivery will remain on the icon until cleared manually by user.

**Prepay taken timeout:** The number of seconds the pump remains blocked after a prepay delivery refund is created, if the refund is paid out to a customer. Note this timer starts when fuelling is completed, not from the time the refund is paid to the customer, since the pump is also blocked while the refund is showing on the pump icon.

If the refund is allowed to timeout according to the “Prepay refund timeout”, then this timeout does not apply.

Maximum 9999 seconds.

**Preath authorised timeout:** The number of seconds that the pump will stay authorized for a prepay before the nozzle is lifted. This determines the available time the customer has to start the prepay delivery, after a prepay is finalized at the POS.

Maximum 9999 seconds.

**PreAuth No Response Timeout:** When a pump is delivering and goes to not responding state, if the pump is still not responding after this timeout expires a delivery will automatically be created from the most recent running total. Set to zero to disable.

Maximum 9999 seconds.

The **Save** button will commit the changes, use **Cancel** to undo all pending changes.

## 2.2 Features & Options

This page allows you to choose Enabler features to activate including Fuel Reconciliation. These options are provided for System Integrators and are usually set according to local automation needs. We recommend you configure these features as part of your installation process.



**Enabler demo**  
**Features & Options**

Configuration Operation Fuel Reconciliation Support Security Reports

**General**

Auto site mode activation   
Min Etotal difference   
Hose Turnover Support

**Blocking**

Can Disable hose during delivery   
Disable Tank On Low Level Alarm   
Disable Tank On Tanker Delivery

**Fuel Reconciliation**

Tank Dips   
Tank Movements   
Pump Meters   
Approval Required   
Map test delivery to tank transfer

**Prices**

Auto postmix grade prices

**Attendant**

Supports attendants   
Clear deliveries   
Tagging Support

**Legacy options**

Prepay refund calculation type

: Enabler administrator  English (New Zealand)

**General:**

**Auto site mode activation:** Tick this to select automatic switching between Mode Profiles based on the start/end and valid day's settings.

**Note:** **Auto site mode activation** gets disabled/un-ticked automatically if a [Site Mode Profile](#) is activated manually.

**Min Etotal difference:** Site-wide threshold for discrepancies in electronic totals.

**Hose Turnover Support:** Tick this to use the Hose Turnover fields.

**Blocking:**

**Can disable hose during delivery:** This extends disabling of hoses to stopping deliveries already in progress.

**Note:** Following options apply to gauged tanks only.

**Disable Tank On Low Level Alarm:** Tick this to allow the tank to be automatically blocked when a low level alarm is received from the tank gauge. The tank will be unblocked when the alarm stops. If **Disable Tanks On Tanker Delivery** is ticked then there must be no tanker deliveries in progress in order to unblock the tank. This setting applies to gauged tanks only.

**Disable Tank On Tanker Delivery:** Tick this to allow the tank to be automatically blocked when a tanker delivery is detected from the tank gauge. The tank will be unblocked when the tank gauge detects that the tanker delivery has stopped. If **Disable Tank On Low Level Alarm** is ticked, then the low level alarm must not be active in order to unblock the tank. This setting applies to gauged tanks only.

### Fuel Reconciliation:

**Tank Dips:** Tick this to enable tank dip entry in the Fuel Reconciliation page.

**Tank Movements:** Tick this to enable entry of tank movements in the Fuel Reconciliation page

**Pump Meters:** Tick this to enable entry of tank meters in the Fuel Reconciliation page.

**Approval Required:** Tick this so that wet stock approval procedures be done during fuel reconciliation.

**Map test delivery to tank transfer:** Tick this to allow Test Deliveries to be mapped to Tank Transfers within Fuel Reconciliation.

### Prices:

**Profile Based Price Levels:** Tick this to enable Site Mode Profile based Price Levels. By default (Unticked), price levels are based on Pump settings. This option is **only available if the system has more than one Price Level configured** into the Enabler System.

**Auto postmix grade prices:** Tick this if you want Enabler to automatically compute prices for postmix grades. You can also set the precision for decimals in blending prices with rounding or truncating behavior as default.

If the Auto postmix grade prices checkbox is not ticked **Blending decimals** and **Blending rounding fields** are not displayed.

### Attendant:

**Supports attendants:** Tick this to enable Attendant functionality. When enabled, attendants can be configured into the system; and they can also authorise pumps (via tags or logon procedure). The resulting deliveries will be linked to the authorising attendant.

**Tagging Support:** Tick this to enable Tagging functionality. When enabled, pumps that support integrated tag readers will have the option available on the pumps tab to indicate that they do have a tag reader installed.

This will allow the pump server to retrieve tag data from the pump and trigger tag read events.

**Clear deliveries:** This option determines whether Enabler Pump Server clears Attendant deliveries after the configured timeout. System integrators may choose to turn this option off and clear attendant deliveries in their application (for example after creating a retail transaction or audit-trail entry for the delivery).

On = Enabler Pump Server clears each Attendant Delivery after timeout

Off = Your application is responsible to clear Attendant deliveries.

### **Legacy Options:**

The following options only apply to applications using the APIs for Legacy Prepay and Preauth:

**Prepay refund calculation type:** When a prepay is not delivered to the full amount, a 'prepay refund delivery' is created. This 'delivery' is a representation of the difference between the authorised amount (money) and what was actually delivered.

However, like any other delivery, the refund 'delivery' has also volume and price fields. This setting controls what values the volume and prices are given:

#### **Calculate volume and price if possible**

With this setting:

- a) If some fuel is delivered the Prepay refund will include an approximate volume of fuel not delivered, and the unit price for the grade selected.
- b) If no fuel is delivered and only one hose was authorised, the Prepay refund will indicate the amount of the prepay (money), the approximate volume of fuel, and the grade unit price.
- c) If no fuel is delivered and more than one hose was allowed, the Prepay refund will indicate the amount of the prepay (money), and the unit price and volume will be set to zero (0).

#### **Abstracted refund with 1 unit of volume**

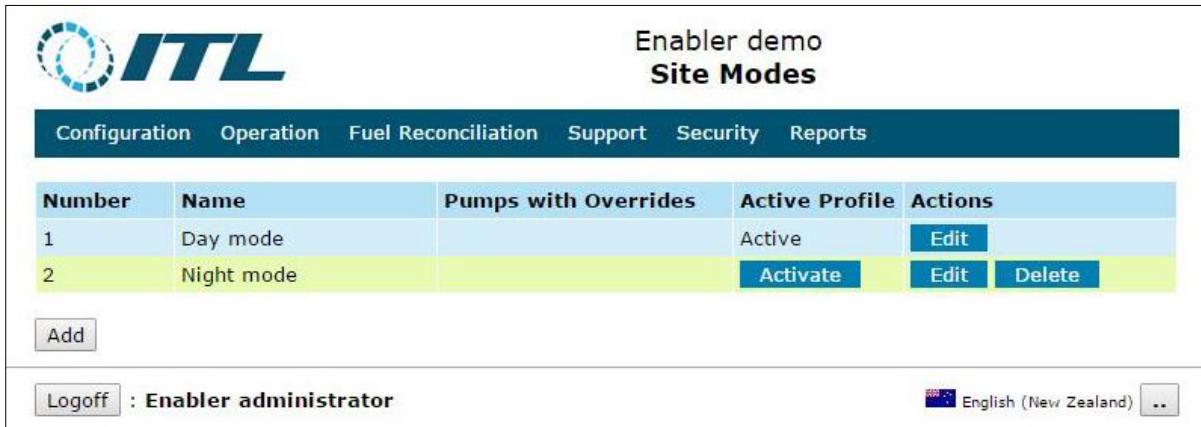
This reverts to the older previous Enabler behaviour.

When a prepay delivery refund is created, the volume is set to 1.0, and the price is set to the undelivered value.

The **Save** button will commit the changes, use **Cancel** to undo all pending changes.

## 2.3 Site Modes

When selecting the Sites modes from the menu the site profiles list will be displayed.



Number	Name	Pumps with Overrides	Active Profile	Actions
1	Day mode		Active	<a href="#">Edit</a>
2	Night mode			<a href="#">Activate</a> <a href="#">Edit</a> <a href="#">Delete</a>

Site modes determine how the overall forecourt operates at a particular time of the day or week. These are used to change settings for all pumps on the forecourt at one time. For each profile there are a number of parameters, which can be switched "on" or "off".

It allows for some sites that operate 24x7 to switch between different site modes for daytime or night time operation, or at weekends.

Each Site Mode profile contains a default profile and an optional list of profiles that apply to specific pumps.

The **Activate** action will force the selected profile to be activated.

The **Edit** action will take you to the [Site Mode Details page](#) for that profile.

The **Delete** action will delete the selected site mode profile.

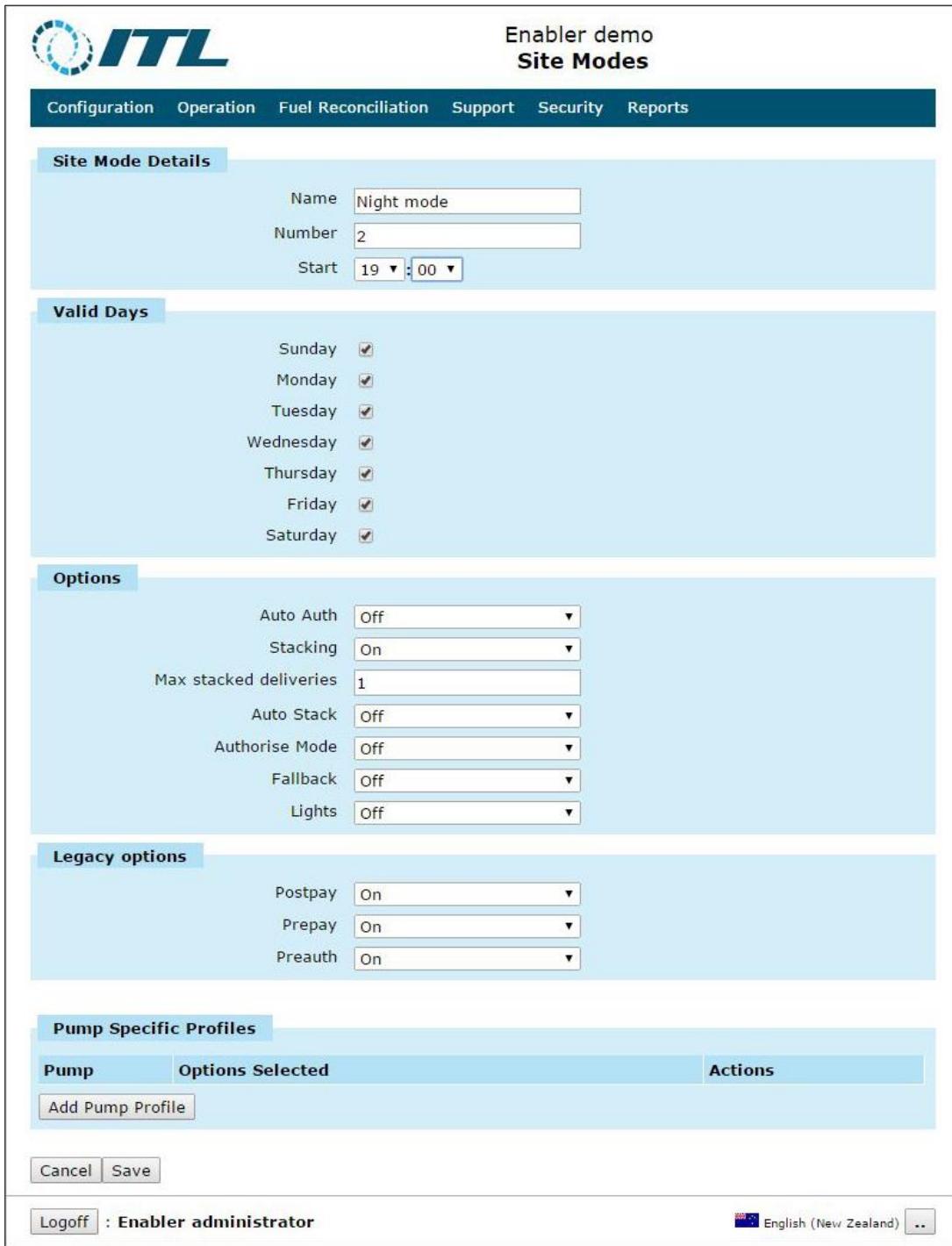
**Note:**

1. You cannot delete a profile if it is the default profile or is the currently active profile.
2. The **Activate** action also disables/un-ticks the [Auto site mode activation](#).

The **Add** button will create a new site mode profile and take you to the Site Mode configuration page.

## 2.3.1 Adding/Editing Site Modes

The **Site Mode Details** page provides the form for entering and editing Site Mode information.



The screenshot shows the 'Site Mode Details' configuration page. At the top, the 'Site Modes' section is displayed with the title 'Enabler demo'. Below it is a navigation bar with links: Configuration, Operation, Fuel Reconciliation, Support, Security, and Reports. The main content area is divided into several sections:

- Site Mode Details:** Contains fields for Name (Night mode), Number (2), and Start (19 : 00).
- Valid Days:** A list of days of the week, all of which are checked (Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday).
- Options:** A group of dropdown menus for various settings:
  - Auto Auth: Off
  - Stacking: On
  - Max stacked deliveries: 1
  - Auto Stack: Off
  - Authorise Mode: Off
  - Fallback: Off
  - Lights: Off
- Legacy options:** A group of dropdown menus for legacy settings:
  - Postpay: On
  - Prepay: On
  - Preauth: On
- Pump Specific Profiles:** A table with three columns: Pump, Options Selected, and Actions. It includes a 'Pump' header row and a single row for 'Add Pump Profile'.
- Buttons:** 'Cancel' and 'Save' buttons at the bottom left.
- User Information:** 'Logoff' button, user name 'Enabler administrator', language 'English (New Zealand)', and a help icon at the bottom right.

### Site Mode Details:

**Name:** A free-form name for the Site Mode

**Number:** A logical number for the Site Mode Profile.

**Start:** An automatic start time to start this Site Mode. **Note:** This will not work if **Auto site mode activation** in the Features & Options is disabled.

**Valid Days:** The days when the Site Mode is active. If the day is disabled, then the Site Mode will revert to a default profile for that day. This field is only available on non-Default Profiles.

**Options:**

**Auto Auth:** Enables the pump to be automatically authorised to deliver when the hose is lifted. Since Auto Auth applies only to Postpays, the Postpays option will be activated if Auto Auth is turned on. The pump will always auto authorise if monitor deliveries are permitted.

**Stacking:** The most recent fuel delivery may be put onto a 'stack' when enabled allowing another fuel delivery to begin before the first one is paid.

**Max stacked deliveries:** The maximum number of stacked deliveries allowed per pump.

**Auto Stacking:** Allows the system to automatically stack the current sale if the pump nozzle is lifted to begin another delivery before the first has been paid. This field is turned off if Stacking is turned off

**Authorise Mode:** There are four options available on how the delivery is authorised/cleared:

**Monitors:** Turns on monitor mode for the forecourt which allows:

- Pumps to be automatically authorized when the hose is lifted.
- Deliveries to be automatically cleared by the system after a (configurable) timeout, or when the pump calls again.

**Attendant:** Allows the logon and logoff of attendants to a particular pump.

Auto Clearing of Attendant deliveries is optional.

**Attendant Tag:** Allows an attendant to present a tag on a Tag Reader to authorize a pump for delivery.

**External Tag:** Allows a customer to present a tag on a Tag Reader to authorize a pump for delivery.

**Fallback:** Enables the manual switching of the system into fallback mode.

**Lights:** Turns pump lights on – where supported by the specific pump protocols in use.

### **Legacy Options:**

These only apply to applications using the Enabler ActiveX API.

**Postpay:** Determines whether Enabler will allow authorisation of pumps without using a Prepay or Preauth authorisation. The customer can pay after the delivery is completed.

**Prepay:** Determines whether Enabler allows client applications to use Prepay functionality. The customer can pay for a delivery before the hose is lifted.

**Preauth:** Determines whether The Enabler allows client applications to use Preauth functionality. This feature is most commonly used by outdoor payment terminals.

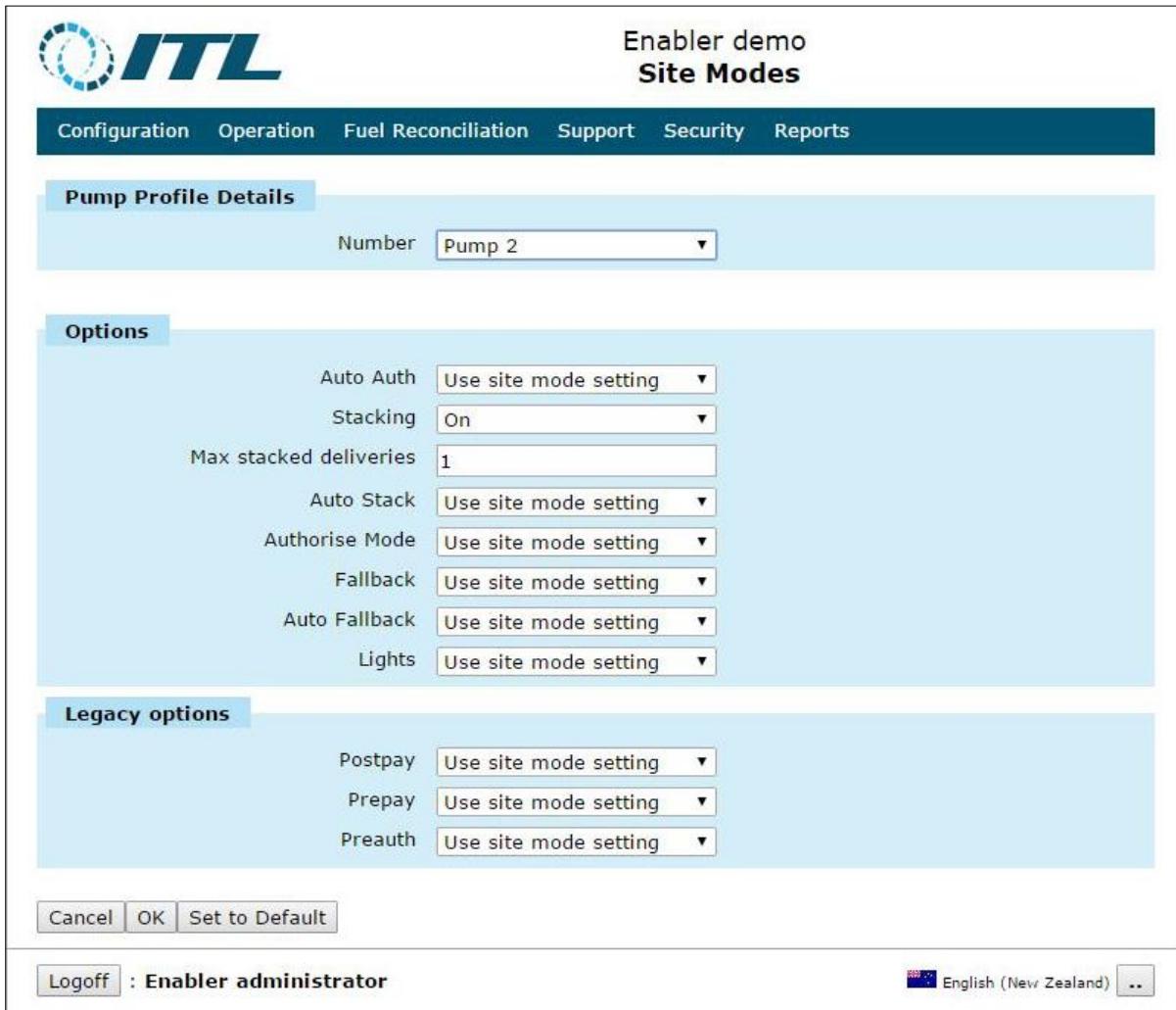
## 2.3.2 Pump Specific Profiles

This shows a list of the pump specific profiles and options for the selected profile.

The **Edit** action will allow the selected profile to be changed.

The **Delete** action will remove the selected pump profile.

The **Add Pump Profile** button will create a new pump profile and display the following page.



The screenshot shows the 'Site Modes' configuration interface for a pump profile. At the top, there's a navigation bar with links: Configuration, Operation, Fuel Reconciliation, Support, Security, and Reports. Below the navigation bar, the title 'Enabler demo Site Modes' is displayed. The main content area is titled 'Pump Profile Details' and shows a dropdown menu set to 'Pump 2'. A section titled 'Options' contains several configuration fields: Auto Auth (set to 'Use site mode setting'), Stacking (set to 'On'), Max stacked deliveries (set to '1'), Auto Stack (set to 'Use site mode setting'), Authorise Mode (set to 'Use site mode setting'), Fallback (set to 'Use site mode setting'), Auto Fallback (set to 'Use site mode setting'), and Lights (set to 'Use site mode setting'). Below this is a 'Legacy options' section with Postpay, Prepay, and Preauth all set to 'Use site mode setting'. At the bottom of the form are buttons for Cancel, OK, and Set to Default. The status bar at the bottom indicates the user is 'Logoff : Enabler administrator' and shows language settings for English (New Zealand) with a dropdown arrow.

**Number:** This is a drop-down list of the pumps configured in the system

**Options:** See [Site Mode Details](#)

**Notes:** Using *Use site mode setting* option on Stacking field will disable the *Max stacked deliveries* field in order to follow the Max stacked deliveries setting on site mode.

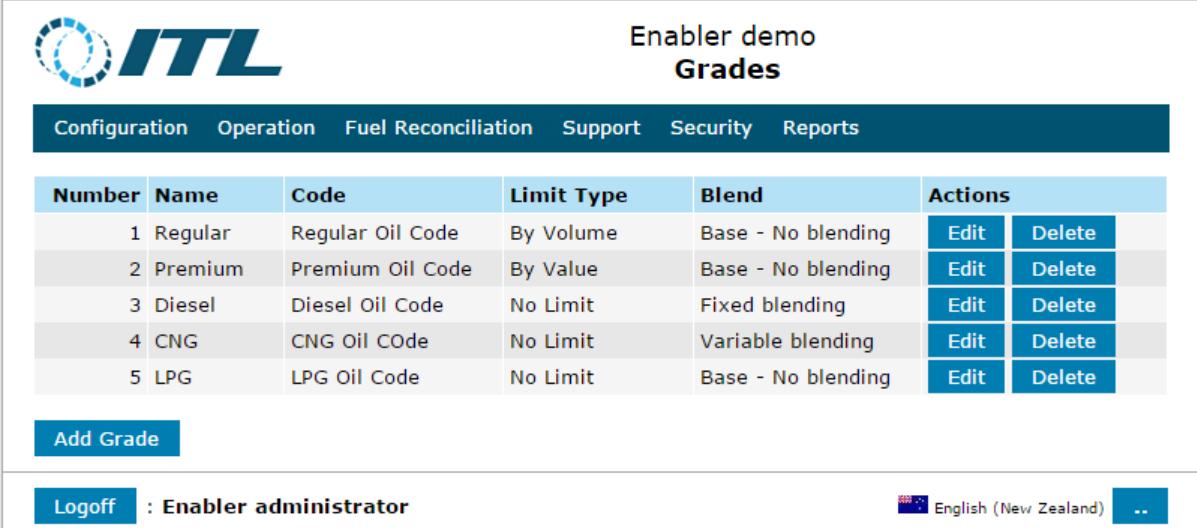
The **Set to defaults** button will reset all the options to the same values as in the associated Site Mode profile.

**Notes:** Changing the Site Mode profile will affect the new site profile settings as well as any pump specific profiles, thus allowing in one step to switch between two fully separate and customized forecourt modes.

In order to have a pump with a fixed mode of operation, please create a pump profile for it within each site profile.

## 2.4 Grades

The Grades page displays a list of the current configured grades.



Number	Name	Code	Limit Type	Blend	Actions	
1	Regular	Regular Oil Code	By Volume	Base - No blending	Edit	Delete
2	Premium	Premium Oil Code	By Value	Base - No blending	Edit	Delete
3	Diesel	Diesel Oil Code	No Limit	Fixed blending	Edit	Delete
4	CNG	CNG Oil Code	No Limit	Variable blending	Edit	Delete
5	LPG	LPG Oil Code	No Limit	Base - No blending	Edit	Delete

**Add Grade**

Logoff : Enabler administrator English (New Zealand) ...

The **Add Grade** button will create a new grade and take you to the [Grade Details page](#) to enter the details.

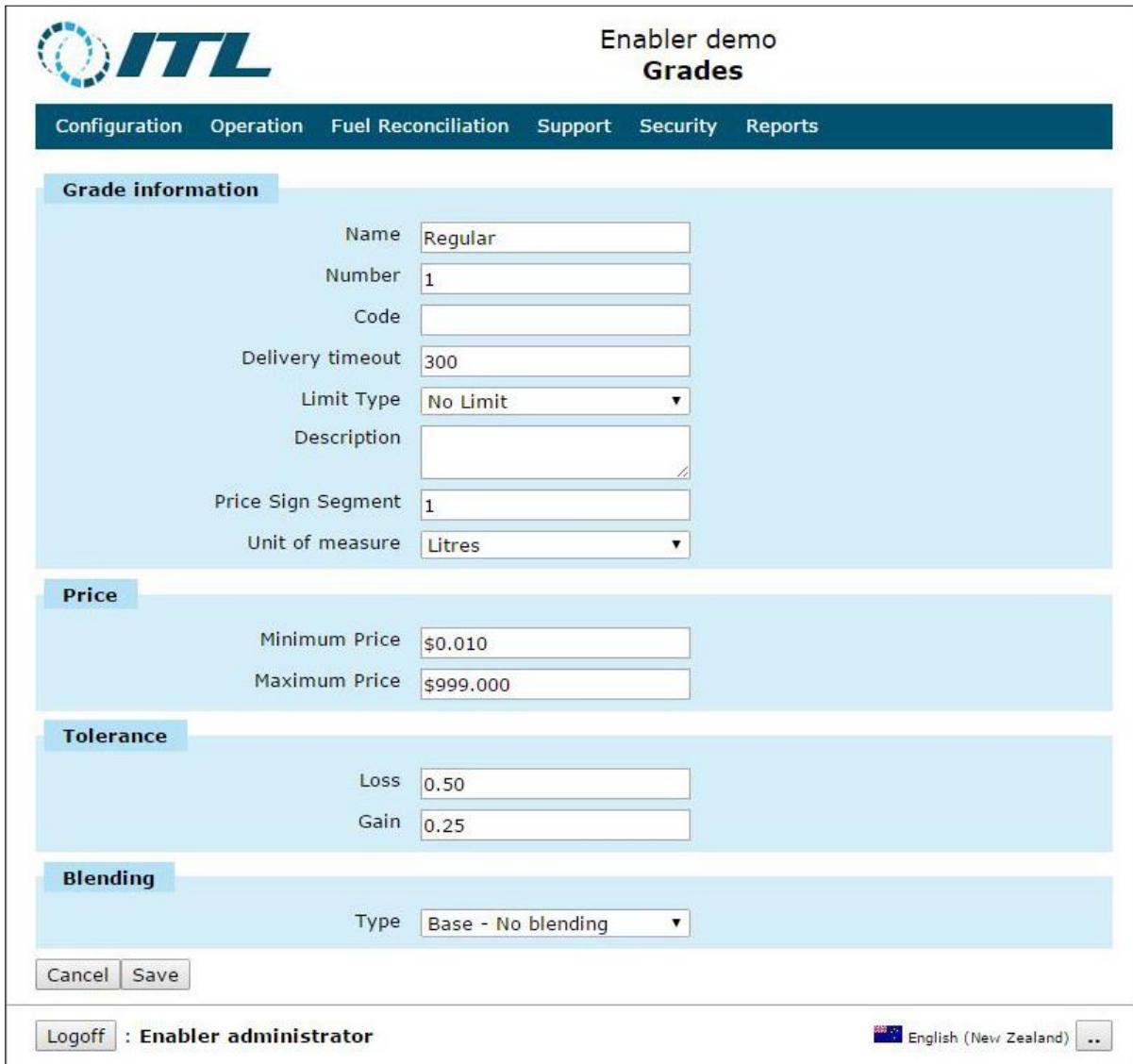
The **Edit** button will open the configuration page for editing a selected grade.

The **Delete** button will remove the selected grade.

**Note:** A grade that is currently selected for any tank configuration cannot be deleted. The grade to be deleted needs to be changed to another grade in the tank's grade selection prior to deletion. This also applies for grades configured in pump hoses.

## 2.4.1 Adding/Editing a Grade

The Grade Details page provides the form for entering and editing Grade information.



The screenshot shows the 'Grade Details' page of the Enabler demo application. The top navigation bar includes links for Configuration, Operation, Fuel Reconciliation, Support, Security, and Reports. The main content area is titled 'Grade information' and contains the following fields:

Name	Regular
Number	1
Code	
Delivery timeout	300
Limit Type	No Limit
Description	
Price Sign Segment	1
Unit of measure	Litres

Below this, there are sections for 'Price' (Minimum Price: \$0.010, Maximum Price: \$999.000) and 'Tolerance' (Loss: 0.50, Gain: 0.25). A 'Blending' section shows 'Type: Base - No blending'. At the bottom are 'Cancel' and 'Save' buttons, and a status message 'Logoff : Enabler administrator' along with language and session controls.

### Grade Information:

**Name:** A reference name for the Grade.

**Number:** A reference number for the Grade (any non-zero positive integer).

**Code:** Oil Company's internal code or other code for the Grade.

**Delivery timeout:** The number of seconds this grade can deliver before the pump icon shows a warning sign. When the timeout has expired, the pump is not stopped, but Enabler provides a reminder to the operator that the nozzle has been out (delivering) for too long.

Maximum 1800 seconds (30 Minutes).

To disable this function, set to 0.

**Limit Type:** The three options that define the limits on deliveries of the specified grade.

- No Limit
- By Value
- By Volume.

**Allocation Limit:** This field appears after selecting either 'By Value' or 'By Volume' in the Limit Type drop down. This value will be interpreted as money or value depending on the Limit Type setting.

**Price Sign Segment:** This defines which segment of the price sign is used to display grade prices.

**Unit of Measure:** This defines the Unit Type used by the grade.

#### Price:

**Minimum Price:** The minimum price option for the Grade.

Set to 0 for no lower limit to unit prices.

**Maximum Price:** The maximum price option for the Grade.

Set to 0 for no upper limit to unit prices.

#### Tolerance:

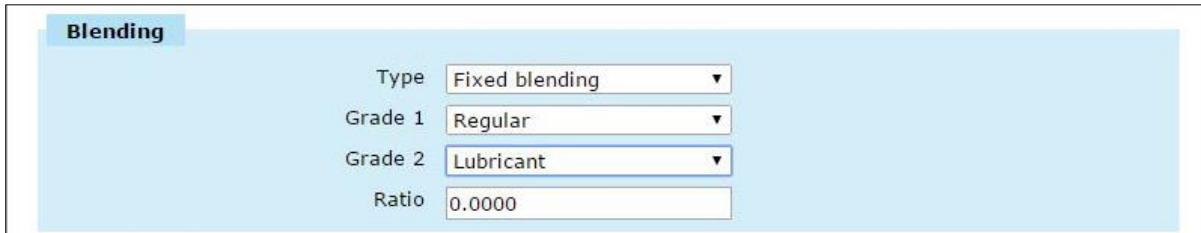
The tolerance values here are used to determine whether a tank is inside or outside the tolerance when using the Daily Tank Reconciliation report format for Fuel Reconciliation Application. The values entered must be percentages between 0% and 5%. The tolerance on the report is used as a percentage of the total sales volume. For Example: if a site sells 1000 litres at 1% tolerance, the report will accept variances up-to 10L. Variances over 10L will be marked as "out of tolerance" by Fuel Reconciliation.

## 2.4.2 Blending

Blending has three options:

**Base – No Blending:** This option is for grades that do not use blending.

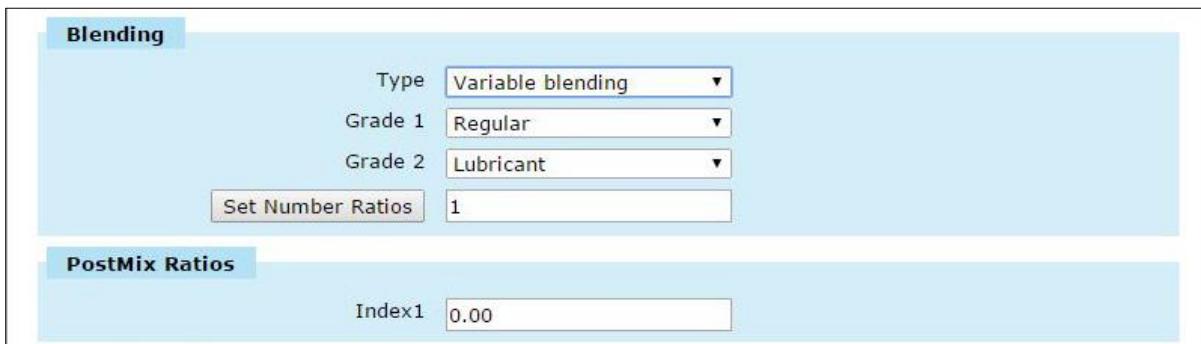
**Fixed blending:** Used to configure grades that require fixed ratios.



The screenshot shows a configuration panel titled "Blending". It includes the following fields:

- Type: Fixed blending
- Grade 1: Regular
- Grade 2: Lubricant
- Ratio: 0.0000

**Variable blending:** Used to configure grades that require variable ratios.



The screenshot shows a configuration panel titled "Blending". It includes the following fields:

- Type: Variable blending
- Grade 1: Regular
- Grade 2: Lubricant
- Set Number Ratios: 1

Below this, there is a section titled "PostMix Ratios" with the field:

- Index1: 0.00

**Grade1:** The first grade for the blend. This is normally the fuel based grade.

**Grade2:** The second grade for the blend. This is normally the lubricant based grade.

**Ratio:** Set the ratio of the second grade (**Grade 2**) in the delivery for fixed blending.

**Set Number Ratios:** Set the number of Ratios for variable blending.

Configuring the number of ratios:

To set the correct number of ratios, enter the number of ratios required in the field next to the **Set Number Ratios** button, click on the button and the ratios will be increased or decreased accordingly.

**Note:** Changes to this page will only be after pressing the **Save** button. To discard the changes and start again, press the **Cancel** button.

## 2.5 Cards

The Cards page displays the list of **Configured** and **Unconfigured** Enabler Cards for the system.



The screenshot shows the 'Cards' page of the Enabler demo application. At the top, there's a navigation bar with links: Configuration, Operation, Fuel Reconciliation, Support, Security, and Reports. Below the navigation bar, there are two sections: 'Configured Cards' and 'Unconfigured Cards'. The 'Configured Cards' section contains a table with four columns: Card name, Name / location, Service Number, and Address. It lists two entries: 'Enabler Express (Primary)' (Main Card) with Service Number 04A4C0EE1E00 and Address Local; and 'Enabler E (1)' (Secondary Card) with Service Number EN5410EC234911 and Address 169.254.63.166. Below the table are buttons for Edit, Replace, Delete, and Locate. The 'Unconfigured Cards' section contains a table with four columns: Type, Service Number, Connected, and Address. It lists two entries: 'Enabler E' with Service Number EN5410EC231D9E and Address 192.168.1.64; and another 'Enabler E' with Service Number EN5410EC234E99 and Address 192.168.1.68. Below the table are buttons for Add, Locate, and Find cards. At the bottom of the page, there are buttons for Logoff, a dropdown menu for the user 'Enabler administrator', and language selection (English (New Zealand)).

The **Configured Cards** section lists the Enabler cards **already** setup into the system. The Card Name column - indicates the hardware type (see [Enabler Cards Type](#) section) and number; Service Number column – the hardware ID for the card; and the Address – this can either be **Local**, **Offline** (if not available) and/or an **IP address**.

The first card listed is considered as the **Primary** Enabler card. If the system requires activation, then Enabler uses the Primary Card's Service Number for Activation.

To perform any operation, select first any of the rows listed in the **Configured Cards** or **Unconfigured Cards** and click the button desired. Only the available buttons will be enabled.

The **Edit** button will take you to the [Cards Details page](#).

The **Replace** button will take you to the [Replace Card Details page](#).

The **Delete** button will remove the selected card from the system. The **Primary Card** cannot be deleted. If the secondary card has ports and pumps configured, then it also cannot be deleted.

The **Locate** button provides a visible way to identify the Enabler E on the network (LEDs on the board will blink). See the Enabler E's hardware guide for more details.

The **Unconfigured Cards** section lists the Enabler cards that are **NOT** setup in the system but can *possibly* be added. The Type, Service Number and Address column are same as the Configured Cards section. The Connected column shows the IP address of the current Enabler system the card is connected to. If none is displayed, then it can be used and added in.

The **Add** button will take you to the [Cards Details page](#). Only Enabler Es can be added as secondary cards.

The **Find** button will search for all other Enabler Cards available in the network. Use this in case the card you are after is not yet listed in the **Unconfigured Cards** section.

**Note:** Changes to these pages will only be done after pressing the **Save** button. To discard the changes and start again, press the **Cancel** button.

## 2.5.1 Card Details Page

The Card Details page provides the form for adding an Enabler Card and entering its name.



Enabler demo  
Enabler Cards

Configuration Operation Fuel Reconciliation Support Security Reports

Edit Card

Card name: Enabler Express (Primary)

Service Number: 04A4C0EE1E00

Name / location: Main Card

Cancel Save

Logoff Enabler administrator English (New Zealand) ...

### Card Information:

**Card name:** Indicates the card hardware type and logical card number.

**Service Number:** the hardware ID for the card.

**Name / location:** Optional text to describe the card or its location.

## 2.5.2 Replace Card Details Page

The Replace Card Details page provides the form for replacing a Configured card with an Unconfigured one.



The screenshot shows the 'Replace Card Details' page. At the top, there's a header with the ITL logo and the text 'Enabler demo' and 'Enabler Cards'. Below the header is a navigation bar with links: Configuration, Operation, Fuel Reconciliation, Support, Security, and Reports. The main content area has a title 'Select replacement Card' and a sub-instruction 'Replace Card 'Enabler Express (Primary)' with one of following cards :-'. A table lists two cards:

Type	Service Number	Address
Enabler E	EN5410EC231D9E	192.168.1.64
Enabler E	EN5410EC234E99	192.168.1.68

At the bottom of the page are three buttons: 'Cancel', 'Select card', and 'Locate'. On the left, there's a 'Logoff' button. On the right, there's a language selection dropdown set to 'English (New Zealand)' and a '...' button.

Only **Unconfigured Cards** that are not connected to any Enabler system are listed and can be used as replacement.

The **Select Card** button will display a prompt asking whether to complete the card replacement. The ports and pumps configured from the original card will be restored in the replacement card.

The **Locate** button functions the same as the Locate button in the main Cards page.

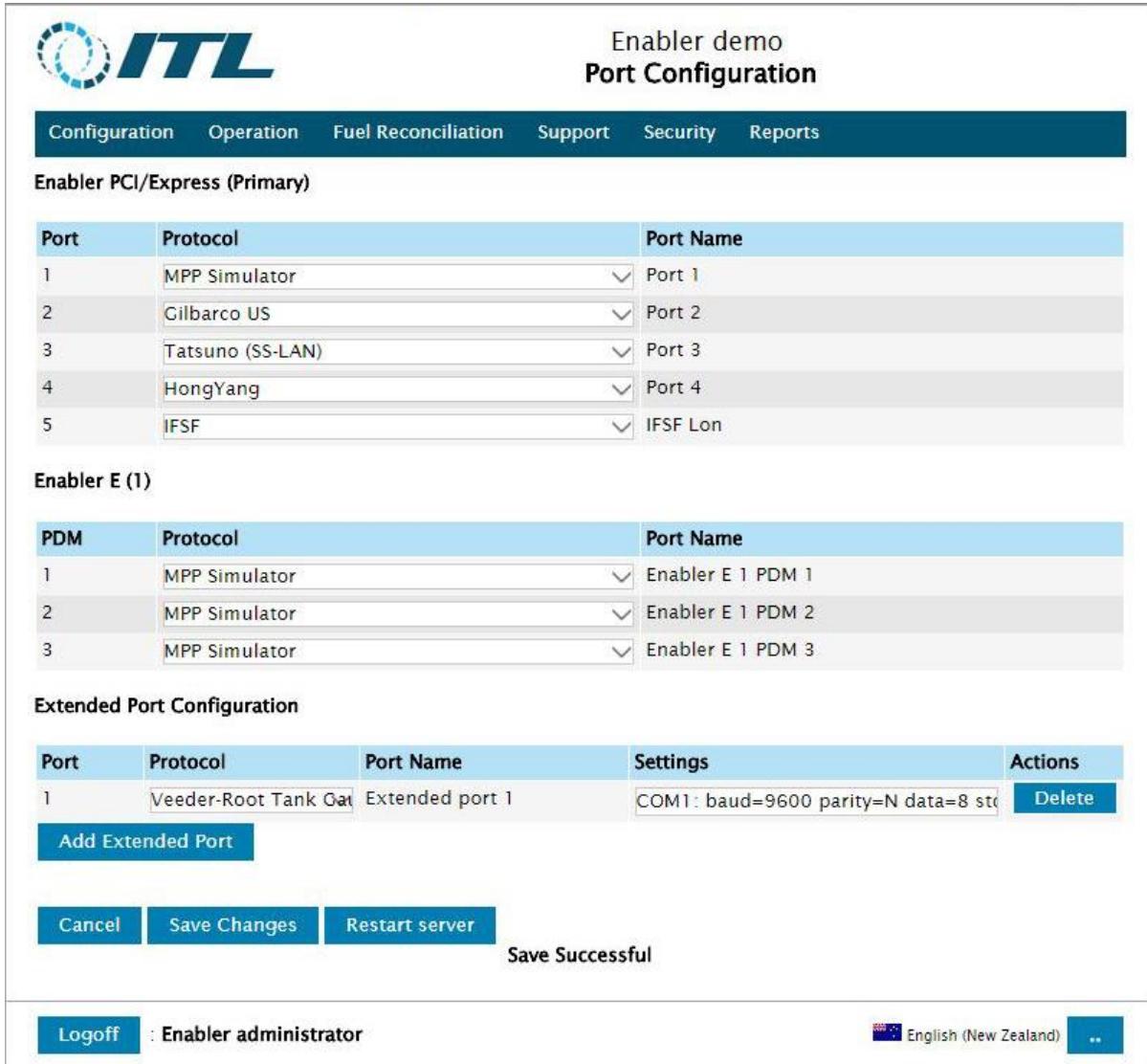
**Note:** Replacing the **Primary Card** may invalidate your Activation. If the **Primary** Enabler card has more used ports than the replacement card, then this is expected to fail.

## 2.6 Ports

The Ports page is used to configure the communications ports used by The Enabler.

### 2.6.1 Enabler Desktop

Below is a screenshot of the Ports page with an Enabler PCI/Express Card as the Primary card and an Enabler E as a secondary card.



The screenshot shows the 'Port Configuration' page of the Enabler demo web application. At the top, there's a navigation bar with links: Configuration, Operation, Fuel Reconciliation, Support, Security, and Reports. Below the navigation bar, the title 'Port Configuration' is displayed. The main content area is divided into sections for different cards:

- Enabler PCI/Express (Primary)**: A table mapping ports to protocols and names.

Port	Protocol	Port Name
1	MPP Simulator	Port 1
2	Gilbarco US	Port 2
3	Tatsuno (SS-LAN)	Port 3
4	HongYang	Port 4
5	IFSF	IFSF Lon
- Enabler E (1)**: A table mapping PDMs to protocols and names.

PDM	Protocol	Port Name
1	MPP Simulator	Enabler E 1 PDM 1
2	MPP Simulator	Enabler E 1 PDM 2
3	MPP Simulator	Enabler E 1 PDM 3
- Extended Port Configuration**: A table for adding additional ports.

Port	Protocol	Port Name	Settings	Actions
1	Veeder-Root Tank Cat	Extended port 1	COM1: baud=9600 parity=N data=8 stop=1	<button>Delete</button>

**Add Extended Port** button

At the bottom of the page, there are buttons for Cancel, Save Changes, and Restart server. A message 'Save Successful' is displayed. The footer includes Logoff, Enabler administrator, English (New Zealand) language selection, and a three-dot menu.

#### 2.6.1.1 Enabler Card – Port Configuration

To save port changes made, press the **Save Changes** button. This will also restart the server.

Press the **Cancel Changes** button to revert to the original port settings

To restart the server manually, press the **Restart Server** button.

### 2.6.1.1.1 Enabler PCI/Express

The Enabler PCI/Express card provides five communication ports which can be configured here.

#### *Port 1 – Port 4*

Each of these ports can be configured to use a non-LON (IFSF) protocol. The available protocols are shown in the drop-down combo box.

#### *IFSF Lon (Port 5)*

The fifth port is a dedicated IFSF/LON interface. It cannot be configured for any other protocol except IFSF/LON.

### 2.6.1.1.2 Enabler E

Enabler E Card Port configurations are similar to Enabler Embedded. They are normally shown with the heading

#### *Enabler E (Index)*

Each Enabler E allows three port protocols to be configured. Each port protocol will require a PDM (Product Distribution Module) slot to be used. **Index** refers to the number of the Enabler E Card into the system.

## 2.6.2 Enabler Embedded

The Enabler Embedded port configuration allows protocols to be selected for each available PDM (Product Distribution Module) slot.

The screenshot shows the 'Port Configuration' page of the Enabler Web Application. At the top, there's a navigation bar with links: Configuration, Operation, Wetstock Maintenance, Support, Security, and Reports. Below the navigation bar, the title 'Embedded Demo Port Configuration' is displayed. The main content area is divided into sections: 'EMB Interface', 'Interface Card 1', 'Interface Card 2', and 'Extended Port Configuration'. Each section contains a table where PDM slots are mapped to specific protocols and port names. In the 'EMB Interface' section, PDM 1 is set to Tokheim (Port Name: EMB Interface PDM 1), PDM 2 to IFSF (Port Name: EMB Interface PDM 2), and PDM 3 to MPP Simulator (Port Name: EMB Interface PDM 3). The 'Interface Card 1' section shows all three slots as 'Not installed'. The 'Interface Card 2' section also shows all three slots as 'Not installed'. In the 'Extended Port Configuration' section, there is one entry for 'Extended port 1' with the settings 'COM1: baud=9600 parity=N data=8 s'. Buttons at the bottom include 'Add Extended Port', 'Cancel', 'Save Changes', 'Restart server', 'Restart Embedded', 'Logoff', and language selection ('English (New Zealand)').

PDM	Protocol	Port Name
1	Tokheim	EMB Interface PDM 1
2	IFSF	EMB Interface PDM 2
3	MPP Simulator	EMB Interface PDM 3

PDM	Protocol	Port Name
1	Not installed	Interface Card 1 PDM 1
2	Not installed	Interface Card 1 PDM 2
3	Not installed	Interface Card 1 PDM 3

PDM	Protocol	Port Name
1	Not installed	Interface Card 2 PDM 1
2	Not installed	Interface Card 2 PDM 2
3	Not installed	Interface Card 2 PDM 3

Port	Protocol	Port Name	Settings	Actions
1	Veeder-Root Tank	Extended port 1	COM1: baud=9600 parity=N data=8 s	<button>Delete</button>

[Add Extended Port](#)

[Cancel](#) [Save Changes](#) [Restart server](#) [Restart Embedded](#)

[Logoff](#) : Enabler administrator English (New Zealand) ...

The screen above shows Enabler Embedded configured to use all 3 onboard PDM/MODULE slots with a different protocol for each.

To save port changes made, press the **Save Changes** button. This will also restart the server.

Press the **Cancel Changes** button to revert to the original port settings

To restart the server manually, press the **Restart Server** button.

To reboot the Enabler Embedded machine, press the **Restart Embedded** button. You will be prompted for confirmation before a reboot takes place. A reboot cannot take place if pumps are in use.

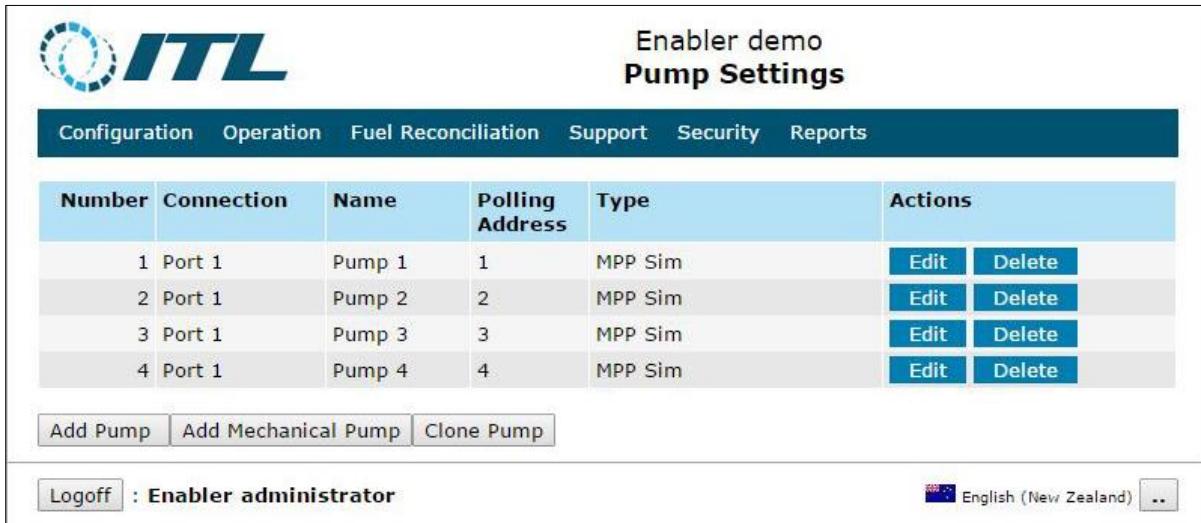
## 2.6.3 Extended Ports

The **Add Extended Port** button allows The Enabler to be configured to use Serial/COM ports to connect to other equipment including Tank Gauges.

Extended Port Configuration				
Port	Protocol	Port Name	Settings	Actions
1	Veeder-Root Tanl ▾	Extended port 1	COM1: baud=2400 parity=N data	<b>Delete</b>
<b>Add Extended Port</b> Not installed Veeder-Root Tank Gauge (2400) Veeder-Root Tank Gauge (4800) <b>Veeder-Root Tank Gauge (9600)</b> Veeder-Root Tank Gauge(TCP/IP) <b>Save Successful</b>				

## 2.7 Pumps

The Pumps page is used to configure the connected pumps.



The screenshot shows the 'Pump Settings' page of the Enabler web application. At the top, there is a navigation bar with links: Configuration, Operation, Fuel Reconciliation, Support, Security, and Reports. Below the navigation bar is a table with four rows, each representing a pump configuration. The columns are: Number, Connection, Name, Polling Address, Type, and Actions (with Edit and Delete buttons). The data in the table is as follows:

Number	Connection	Name	Polling Address	Type	Actions
1	Port 1	Pump 1	1	MPP Sim	Edit   Delete
2	Port 1	Pump 2	2	MPP Sim	Edit   Delete
3	Port 1	Pump 3	3	MPP Sim	Edit   Delete
4	Port 1	Pump 4	4	MPP Sim	Edit   Delete

At the bottom of the page, there are buttons for Add Pump, Add Mechanical Pump, and Clone Pump. On the left, there is a Logoff button and a message indicating the user is 'Enabler administrator'. On the right, there is a language selection dropdown set to 'English (New Zealand)'.

To add a pump, use the **Add Pump** button. This will take you to the **Pump Details** page.

To edit a pump's configuration, click the **Edit** button.

To remove a pump, use the **Delete** button.

The **Add Mechanical Pump** button is used to setup a pump in Enabler's database that does not support electronic /protocol interface. This allows the manual entry of deliveries done with a mechanical dispenser. Refer to the Add a Mechanical Pump section for more information.

The **Clone Pump** button replicates an existing pump configuration. This can speed-up configuration of pumps of the same type.

## 2.7.1 Adding/Editing a Pump

The Pump Details page allows entering and editing of pump information.

The screenshot shows the 'Pump Settings' page with the following details:

- Details:**
  - Number: 1
  - Name: Pump 1
  - Price level 1: Default
  - Price level 2: Default
- Connection Settings:**
  - Port: Port 1 , MPP Simulator
  - Type: MPP Sim
  - Polling Address: 1
  - Advanced Settings: (empty)
- Display format:**
  - Value: 0.00
  - Volume: 0.000
  - Price: 0.000
- Hoses:**

Number	Grade	Tank 1
1	Regular	Regular tank
2	Premium	Pulp tank
3	Diesel	Diesel tank
4	CNG	CNG tank

Set Number of Hoses to: 4

The Maximum hoses of 4 has been reached

Buttons: Add Hose, Delete Hose, Cancel, Save, Logoff : Enabler administrator, English (New Zealand) ...

### Details:

**Number:** The number of the pump. This is the logical number of the pump, and may differ from the actual pump address programmed into the pump electronics (i.e. the Polling address or Physical number).

**Name:** User defined name for the pump.

**Price Level 1 / Price Level 2:** The price levels can be specified if the “Price Profile Based Price levels” in Features & Options is unticked.

### **Connection Settings:**

**Port:** Assigns this pump to one of the configured ports. Only pump types compatible with that port are displayed in this field.

**Type:** This sets the specific type of pump. This is very important as this determines the behaviour and specific parameter pump communications that are “tuned” for this specific pump type. The drop-down list shows all pump types supported by the Enabler after installation.

**Polling Address:** This is the address value programmed into the pump electronics to identify it. This may differ from the logical number used on the system (i.e. Pump Number 1 on the system could have a Polling Address at the pump of 3). Pumps cannot have the same address and be on the same port at the same time.

**Advanced Settings:** For pump types requiring additional configuration options of the Pump Driver, advanced settings are available for a particular pump type as they are described in the relevant FAQ pump pages on the ITL website.

**Display format:** To select the appropriate display format for the pump. This applies the selected display formats to the delivery and price values received from the pump to match what is shown on the physical pump displays.

**Add Hose:** Adds a hose to the pump. By default, the hose is set to the next available grade.

**Delete Hose:** Removes the last hose in the hose list from the pump.

### 2.7.1.1 Pump Hoses

The pump hoses section allows configuration of hoses on a logical pump.

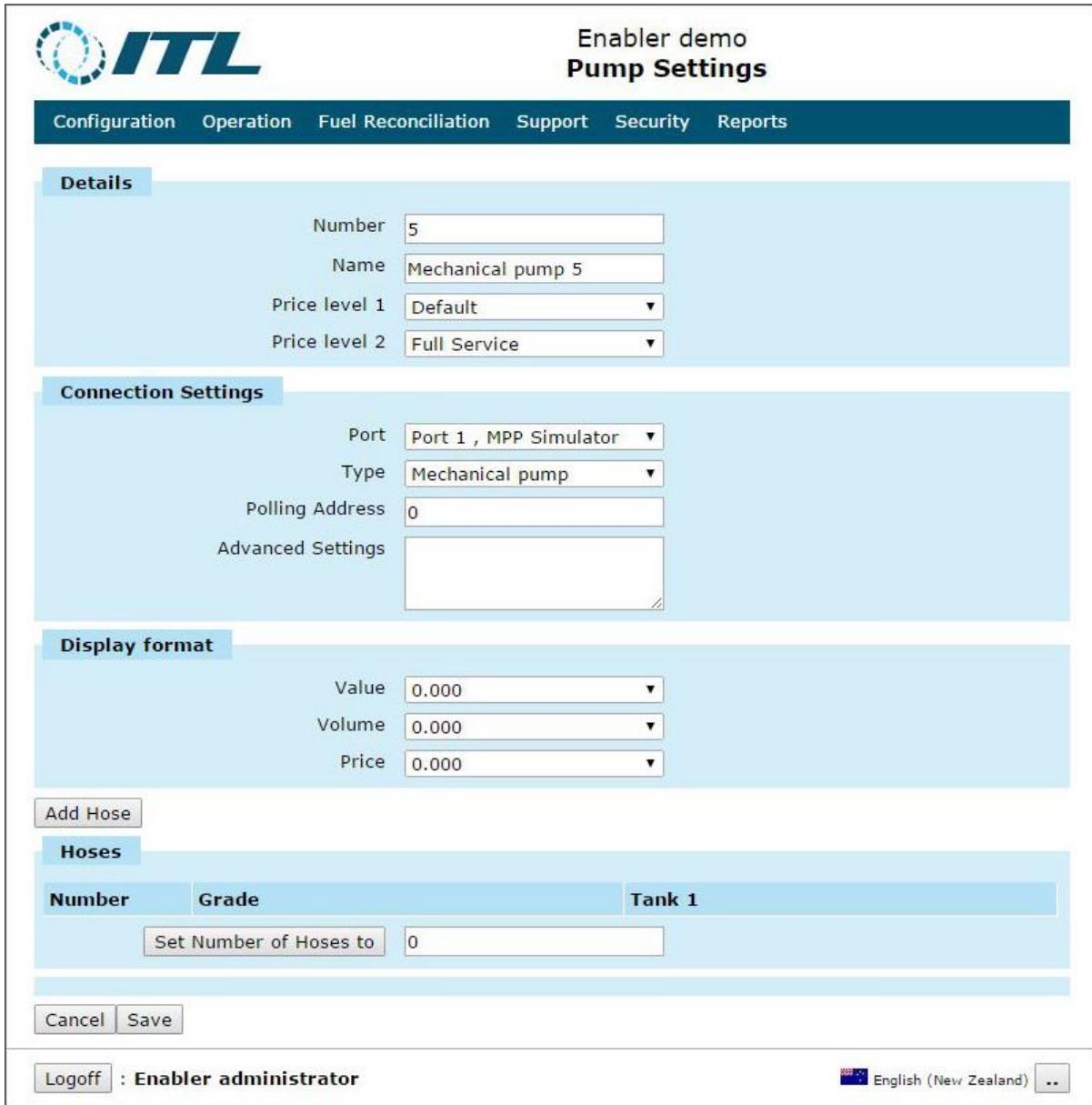
		Add Hose	Delete Hose
Hoses			
Number	Grade	Tank 1	
1	Regular	Regular tank	▼
2	Premium	Pulp tank	▼
3	Diesel	Diesel tank	▼
4	CNG	CNG tank	▼

Set Number of Hoses to

**Tank:** This is a link to the specific tank that the hose draws its fuel from.

To add additional hoses to the pump, enter the number of hoses and click the **Set Number of Hoses to:** button.

## 2.7.2 Add a Mechanical Pump



The screenshot shows the 'Pump Settings' page for adding a new pump. The top navigation bar includes links for Configuration, Operation, Fuel Reconciliation, Support, Security, and Reports. The main content area is titled 'Pump Settings' and contains three tabs: 'Details', 'Connection Settings', and 'Display format'. The 'Details' tab is active, showing fields for Number (5), Name (Mechanical pump 5), Price level 1 (Default), and Price level 2 (Full Service). The 'Connection Settings' tab shows Port (Port 1, MPP Simulator), Type (Mechanical pump), Polling Address (0), and Advanced Settings. The 'Display format' tab shows Value (0.000), Volume (0.000), and Price (0.000). Below these tabs is a 'Hoses' section with a table for setting the number of hoses. At the bottom are 'Cancel' and 'Save' buttons, and a status message indicating the user is 'Enabler administrator'.

Number	Grade	Tank 1
Set Number of Hoses to <input type="text" value="0"/>		

Cancel Save

Logoff : Enabler administrator English (New Zealand) ..

To add a Mechanical Pump, use the **Add Mechanical Pump** button.

This page operates similarly to the **Pump Details** page, except that the default pump type is the Mechanical Pump.

## 2.8 Tanks

The Tanks screen provides access to setup and current data for each tank installed on the system.



Number	Tank Name	Grade	Actions	
1	Regular tank	Regular	Edit	Delete
2	Pulp tank	Premium	Edit	Delete
3	Diesel tank	Diesel	Edit	Delete
4	CNG tank	CNG	Edit	Delete
5	LPG tank	LPG	Edit	Delete
6	Lubricant	Lubricant	Edit	Delete

Add Tank

Logoff : Enabler administrator

English (New Zealand) ..

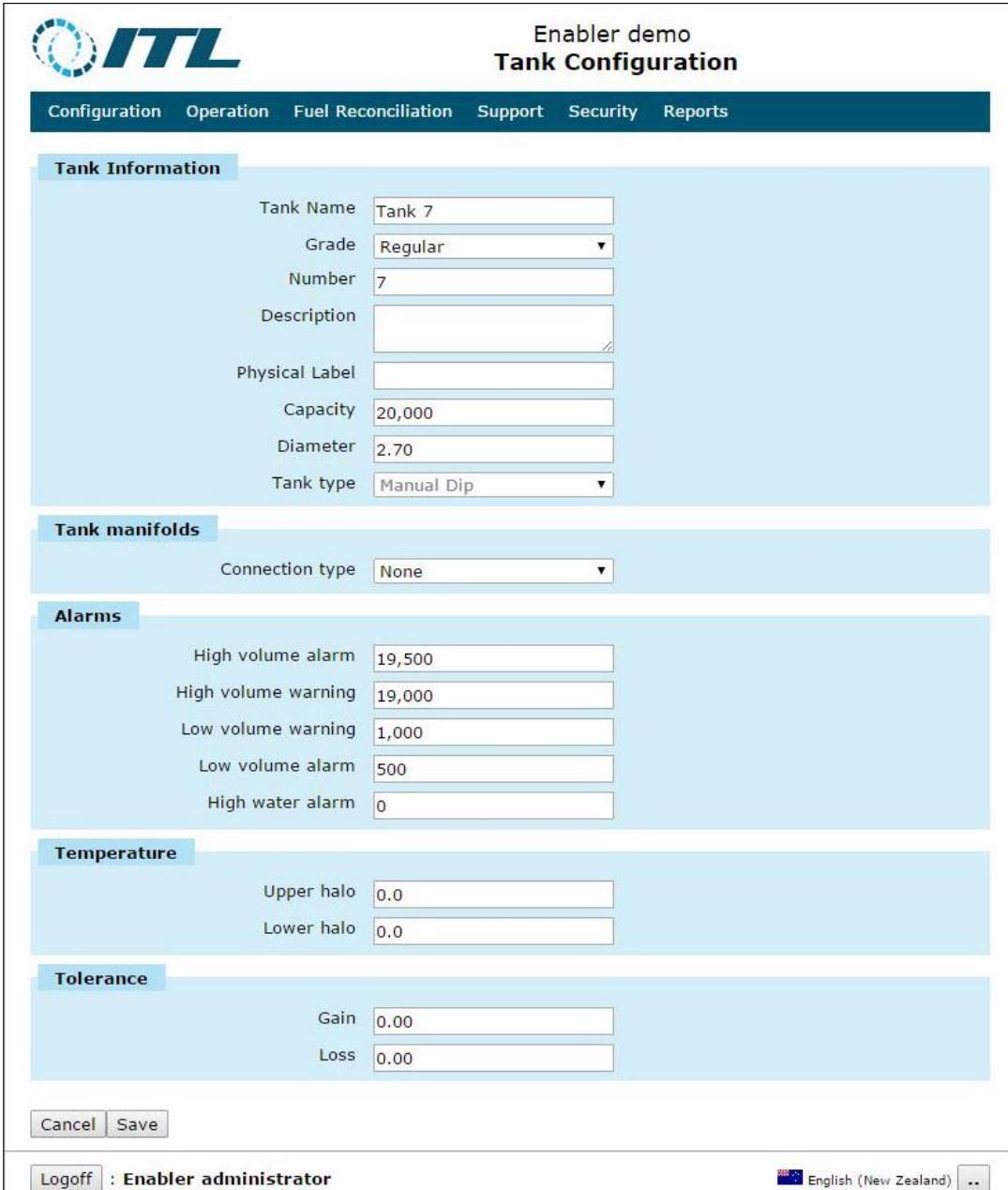
The **Add Tank** button will create a new tank and take you to the **Tank Details page** to enter the details.

The **Edit** button will open the configuration page for that individual tank.

The **Delete** button will remove the tank.

## 2.8.1 Adding/Editing a Tank

The Tank Details Page allows entering and editing of Tank Information.



**Tank Information**

Tank Name	Tank 7
Grade	Regular
Number	7
Description	
Physical Label	
Capacity	20,000
Diameter	2.70
Tank type	Manual Dip

**Tank manifolds**

Connection type	None
-----------------	------

**Alarms**

High volume alarm	19,500
High volume warning	19,000
Low volume warning	1,000
Low volume alarm	500
High water alarm	0

**Temperature**

Upper halo	0.0
Lower halo	0.0

**Tolerance**

Gain	0.00
Loss	0.00

**Buttons:** Cancel, Save

**User Information:** Logoff : Enabler administrator English (New Zealand) ...

## Tank Information:

**Tank Name:** User defined name for the tank.

**Grade:** A drop down list of the available grades to link to this tank (grades are as defined in the Grade page). This cannot be changed while a tank is connected to another tank.

**Number:** The logical number assigned to this tank. The logical number can be any number up to a maximum of 99,999,999 (99 Million).

**Description:** A free form description of the tank (optional).

**Physical Label:** The actual physical label attached or stuck onto the tank.

**Capacity:** The capacity of the tank.

**Diameter:** The diameter of the tank (measured in meters).

**Tank type:** Provides a drop-down list of the tank types, for example Manual dip or Gauged. Selecting Tank type as Gauged will show the Tank gauge settings configuration in order for Enabler to communicate with the tank gauge.

**Gauge Name:** A list of available tank gauges setup.

**Probe number:** The number of the probe for this tank connected to the gauge.

## Tank Manifolds:

**Connection type:** A drop down list of connection types: **Manifolded - Line Siphon** - pump draws from both Tanks simultaneously; **Manifolded - Tank Siphon** - pump draw from one Tank and the siphon equalises the Tank levels (by gravity).

**Connected Tank:** A drop down list of other tanks that have the same grade as the current Tank.

**Alarms:**

**High volume alarm:** The maximum volume in the tank that will trigger an alarm indicating a tank overfilling condition.

**High volume warning:** The maximum volume in the tank that will trigger a warning indicating a tank overfilling condition.

**Low volume warning:** The minimum volume in the tank that will trigger a warning to inform that product level is low and might require refilling.

**Low volume alarm:** The minimum volume in the tank that will trigger an alarm indicating that product level is low and might require refilling.

**High water alarm:** The maximum level of the water in a tank that will trigger a water level alarm. This is measured in meters and must be less than the diameter of the tank.

**Temperature:**

**Upper halo:** The maximum temperature allowed for manual entry.

**Lower halo:** The minimum temperature allowed for manual entry.

**Tolerance:**

**Gain:** The volume tolerance for gain. This should always be a positive value. This is used for fuel reconciliation.

**Loss:** The volume tolerance for loss. This should always be a positive value. This is used for fuel reconciliation.

## 2.9 Tank Gauges

This page provides configuration for tank gauges connected to Enabler.



Number	Name	Type	Port	Actions
1	Tank Gauge 1	VR TLS-350	Extended port 1	<a href="#">Edit</a> <a href="#">Delete</a>

Add Tank Gauge

Logoff : Enabler administrator

English (New Zealand) ..

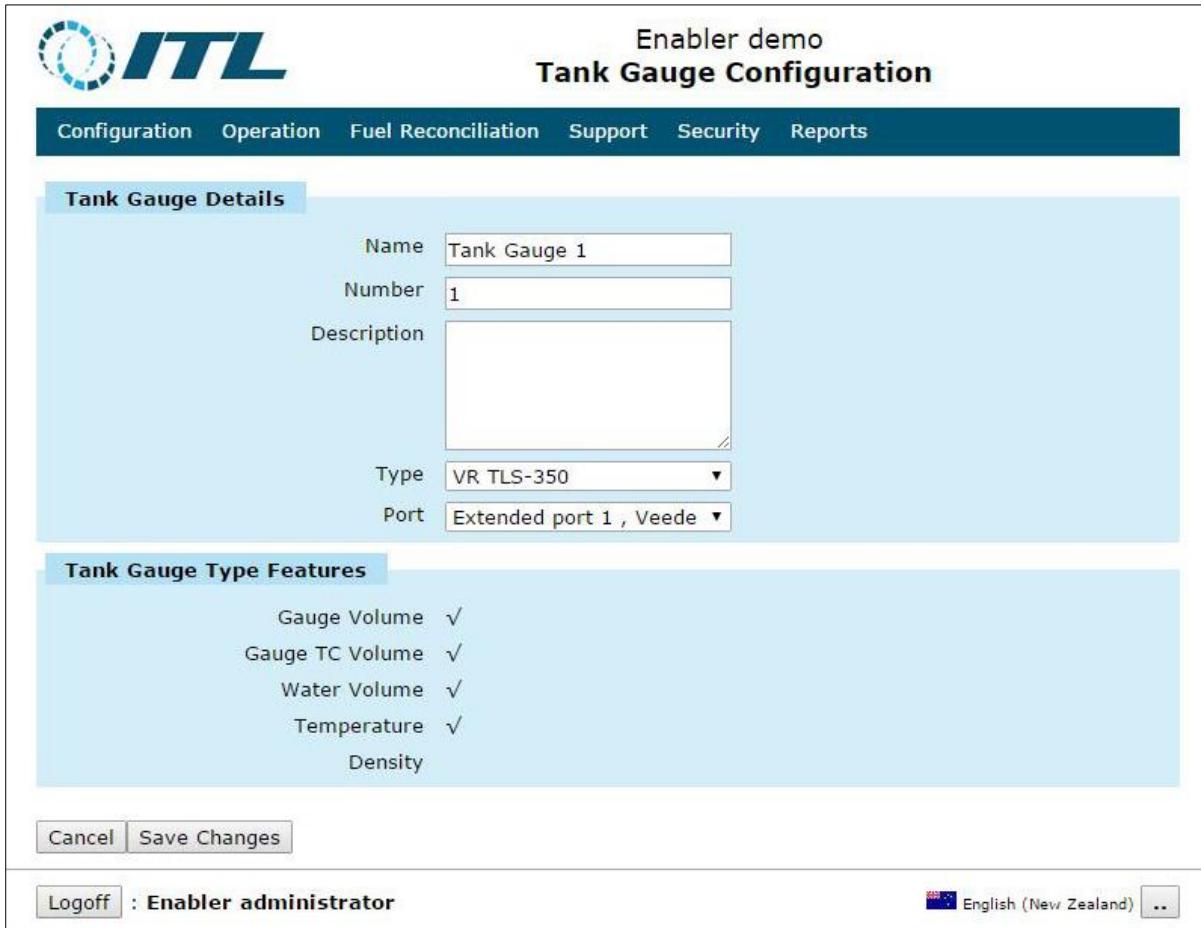
Press the **Add (Tank Gauge)** button to setup a new Tank Gauge, and enter the details in the **Tank Gauge Details page**. You can connect one or more Tank Gauge to each Enabler server.

**Note:** A port must be configured with the correct protocol for the tank gauge being added.

The **Edit** button will open the **Tank Gauge Details page** of the selected tank gauge.

The **Delete** button will remove the selected tank gauge.

## 2.9.1 Adding/Editing a Tank Gauge



The screenshot shows the 'Tank Gauge Configuration' page. At the top, there's a navigation bar with links: Configuration, Operation, Fuel Reconciliation, Support, Security, and Reports. The main area has two tabs: 'Tank Gauge Details' (selected) and 'Tank Gauge Type Features'. In 'Tank Gauge Details', fields include Name (Tank Gauge 1), Number (1), Description (empty), Type (VR TLS-350 selected from a dropdown), and Port (Extended port 1, Veede selected from a dropdown). In 'Tank Gauge Type Features', checked options are Gauge Volume, Gauge TC Volume, Water Volume, and Temperature. Below these tabs are 'Cancel' and 'Save Changes' buttons. At the bottom, there are 'Logoff' and 'Enabler administrator' links, along with a language selection dropdown set to 'English (New Zealand)'.

**Name:** Enter a name to identify the tank gauge.

**Number:** A logical number to identify the current tank gauge.

**Description:** Enter your description of the Tank Gauge (optional).

**Port:** Dropdown list to select the port used for tank gauge communication. The tank gauge type **must match** the protocol selected for the communication port.

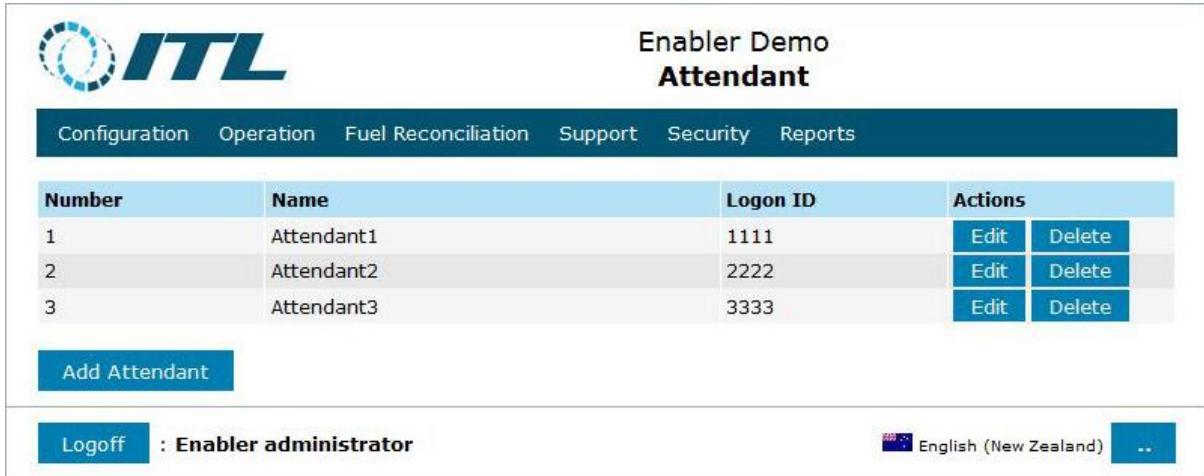
**Type:** Dropdown list of tank gauge types supported by Enabler. Select the tank gauge type matching the equipment you have connected to the communication port. The tank gauge type determines the levels and features that are available to Enabler. Check our website for more information about connecting Tank Gauge equipment.

**Tank Gauge Type Features:** (A read only) ticks to indicate the features available of the current tank gauge. Enabler has five types of tank gauge features:

Item	Indicates that the Tank Gauge
<b>Gauge Volume</b>	Provides product volume as well as product level. Also known as Gross Observed Volume (GOV).
<b>Gauge TC Volume</b>	Provides a Temperature Compensated (TC) product volume. Also known as Gross Standard Volume (GSV)
<b>Water Volume</b>	Has a float to provide the volume of free water at the bottom of the tank.
<b>Temperature</b>	Provides measurement of the product temperature.
<b>Density</b>	Provides measurement of the product density.

## 2.10 Attendants

This page provides configuration for Attendants in Enabler.



The screenshot shows the 'Attendant' configuration page. At the top right, it says 'Enabler Demo Attendant'. Below is a navigation bar with links: Configuration, Operation, Fuel Reconciliation, Support, Security, and Reports. The main content area is a table with columns: Number, Name, Logon ID, and Actions (Edit and Delete). There are three rows of data:

Number	Name	Logon ID	Actions
1	Attendant1	1111	Edit   Delete
2	Attendant2	2222	Edit   Delete
3	Attendant3	3333	Edit   Delete

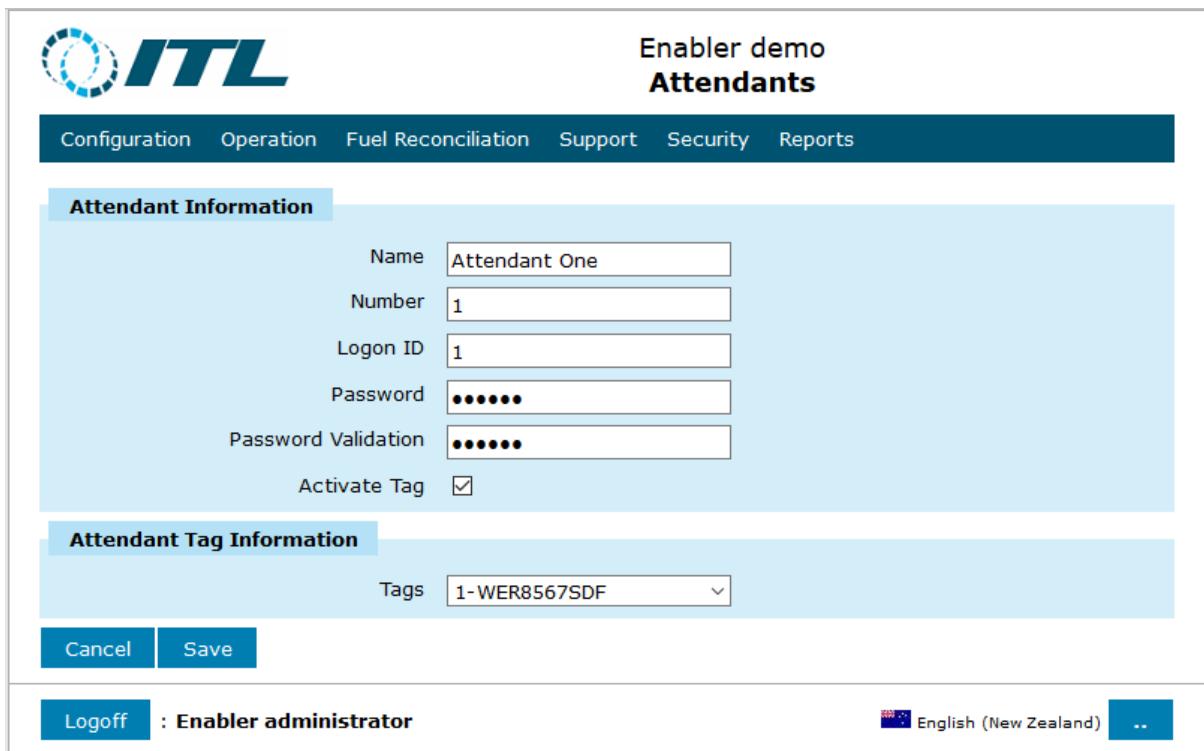
At the bottom left is a blue button labeled 'Add Attendant'. At the bottom right are buttons for 'Logoff', language selection ('English (New Zealand)'), and a help icon ('..').

The **Add Attendant** button will create a new Attendant and take you to the **Attendant Information** page to enter the details.

The **Edit** button will open the configuration page for editing a selected attendant.

The **Delete** button will remove the selected attendant.

### 2.10.1 Adding/Editing an Attendant



The screenshot shows the 'Attendant Information' configuration page. At the top right, it says 'Enabler demo Attendants'. Below is a navigation bar with links: Configuration, Operation, Fuel Reconciliation, Support, Security, and Reports. The main content area has two tabs: 'Attendant Information' (selected) and 'Attendant Tag Information'. Under 'Attendant Information', there are input fields for Name (Attendant One), Number (1), Logon ID (1), Password (\*\*\*\*\*), Password Validation (\*\*\*\*\*), and Activate Tag (checked). Under 'Attendant Tag Information', there is a dropdown menu for Tags (1-WER8567SDF). At the bottom left are 'Cancel' and 'Save' buttons. At the bottom right are buttons for 'Logoff', language selection ('English (New Zealand)'), and a help icon ('..').

### Attendant Information:

**Name:** A reference name for the Attendant.

**Number:** A reference number for the Attendant (any non-zero positive integer).

**Logon ID:** The Logon ID associated with the Attendant

**Password:** The password associated to the attendant. It can be blank.

**Password Validation:** To confirm the entered password.

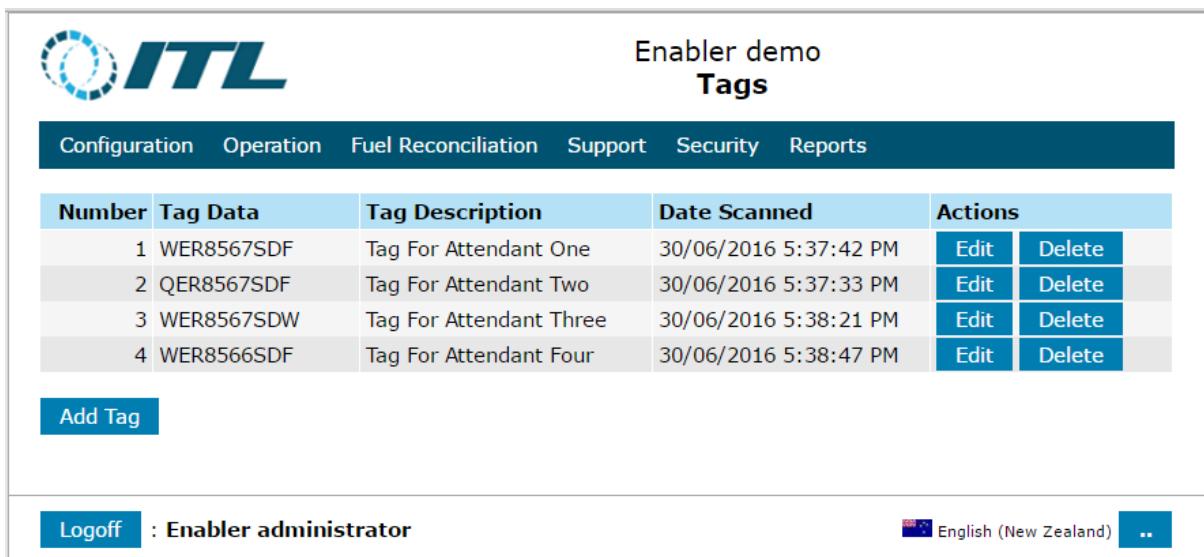
**Tag Activate:** To assign a Tag to the current attendant.

### Attendant Tag Information:

**Tag:** The tag that has been assigned to the current attendant

## 2.11 Tags

The page provides configuration of tags that used to assign to attendants.



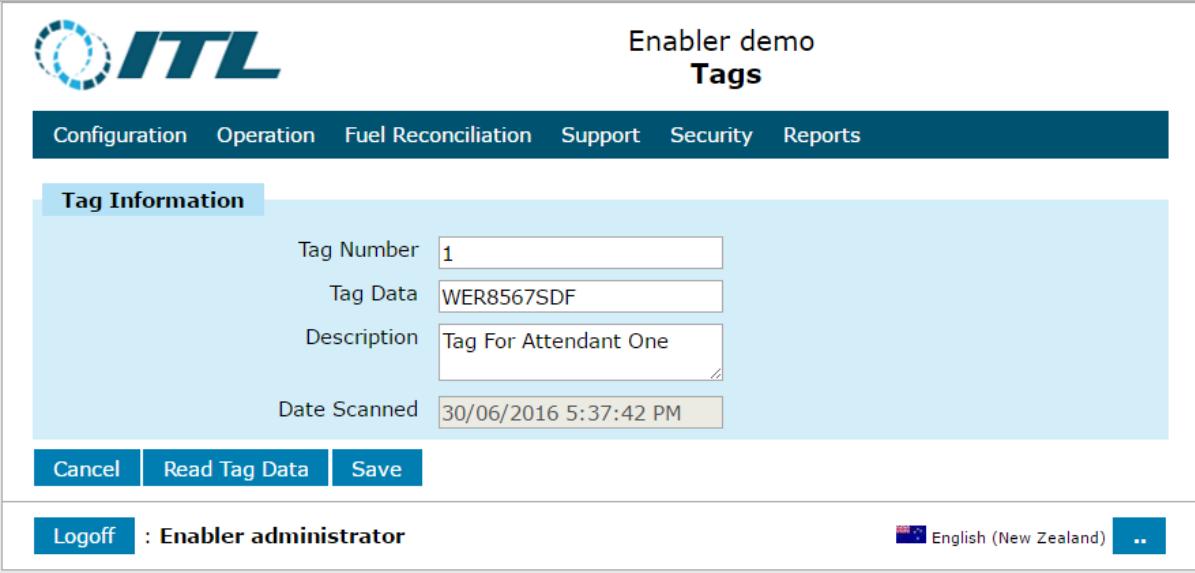
Number	Tag Data	Tag Description	Date Scanned	Actions	
1	WER8567SDF	Tag For Attendant One	30/06/2016 5:37:42 PM	Edit	Delete
2	QER8567SDF	Tag For Attendant Two	30/06/2016 5:37:33 PM	Edit	Delete
3	WER8567SDW	Tag For Attendant Three	30/06/2016 5:38:21 PM	Edit	Delete
4	WER8566SDF	Tag For Attendant Four	30/06/2016 5:38:47 PM	Edit	Delete

The **Add Tag** button will create a new tag and take you to the [Tag Information](#) page to enter the details.

The **Edit** button will open the configuration page for editing a selected tag.

The **Delete** button will remove the selected tag.

## 2.11.1 Adding/Editing a Tag



The screenshot shows the 'Tag Information' form within the Enabler demo Tags application. The form contains the following fields:

Tag Number	1
Tag Data	WER8567SDF
Description	Tag For Attendant One
Date Scanned	30/06/2016 5:37:42 PM

Below the form are three buttons: Cancel, Read Tag Data, and Save. At the bottom left is a Logoff button and a user status message: 'Logoff : Enabler administrator'. At the bottom right are language selection ('English (New Zealand)') and a more options button ('..').

### Tag Information:

**Tag Number:** A reference number for the Tag (any non-zero positive integer).

**Tag Data:** A unique data of the tag (Numeric and Letters).

**Description:** Enter your description of the Tag (optional).

**Date Scanned:** Display the date/time when the tag was first added to the system (read-only).

**Read Tag Data:** Sets the Tag Data field to the recent Tag Data read by the system.

## 2.12 Tag Controllers

This page provides configuration for standalone tag controllers and their associated readers connected to Enabler. Tags can be used to identify Attendants, Customers and Vehicles etc.

**ITL** Enabler demo  
**Tag Controllers**

Configuration Operation Fuel Reconciliation Support Security Reports

**Tag Controllers**

Number	Name	Type	Port	Polling Address	Actions	
1	Tag Controller 1	MPI Tag Tech Controller	Port 2,MPI Tag Tech	1	Edit	Delete
2	Tag Controller 2	MPI Tag Tech Controller	Port 3,MPI Tag Tech	1	Edit	Delete

Click on Tag Controller to list Tag Readers below

Add Tag Controller

**Tag Readers for Controller ( Tag Controller 1 )**

Number	Name	Polling Address	Pump	Actions	
1	Tag Reader 1:1	1	Pump 1	Edit	Delete
2	Tag Reader 1:2	2	Pump 2	Edit	Delete
3	Tag Reader 1:3	3	Pump 3	Edit	Delete

Maximum of 4 Tag Readers allowed.

Add Tag Reader | Clone Tag Reader

Logoff : Enabler administrator  English (New Zealand) ...

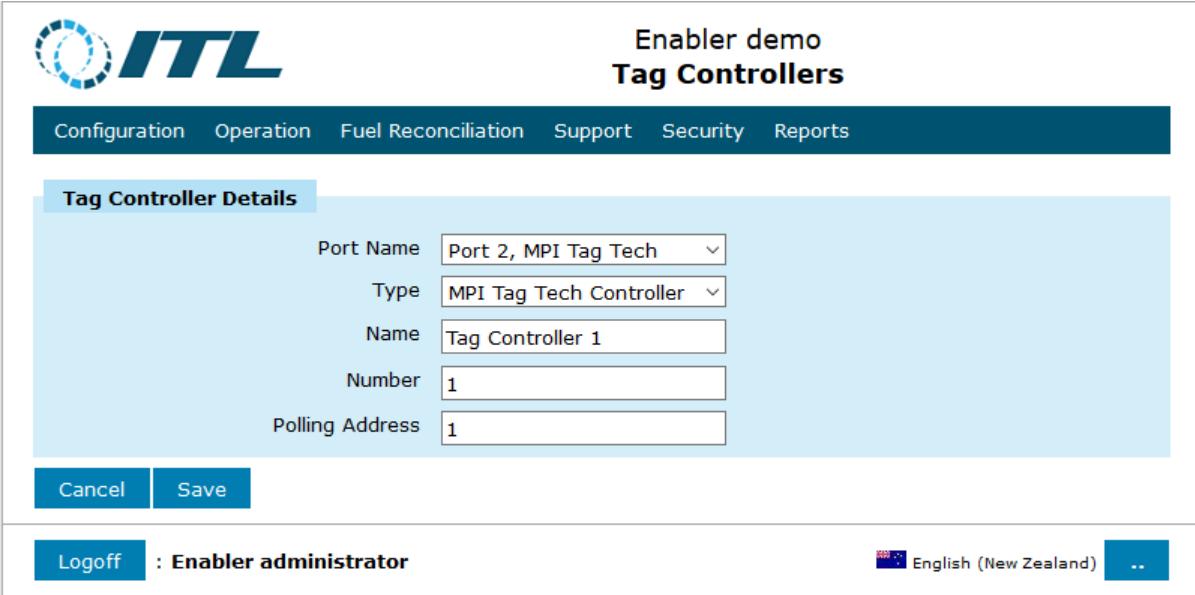
The **Add Tag Controller** button allows multiple Tag controllers to be assigned to an Enabler Port. This button will only be available if Tag controllers Ports have been configured.

When multiple controllers are shown, **clicking** on a Controller row will display the Tag Readers associated with that Controller.

The **Add Tag Reader** button allows a Tag Reader to be assigned to a Tag Controller. The number of Tag Readers that can be assigned to a Tag Controller will depend on the Tag controller type being used.

The **Clone Tag Reader** button allows the mass creation of tag readers based on an existing one. It will only be displayed if there is at least one tag reader available to clone.

## 2.12.1 Adding/Editing a Tag Controller



The screenshot shows the 'Tag Controller Details' form within the 'Tag Controllers' section of the Enabler demo application. The form contains the following fields:

Port Name	Port 2, MPI Tag Tech
Type	MPI Tag Tech Controller
Name	Tag Controller 1
Number	1
Polling Address	1

Below the form are two buttons: 'Cancel' and 'Save'. At the bottom of the page, there are links for 'Logoff', the user 'Enabler administrator', language selection ('English (New Zealand)'), and a help icon ('...').

### Tag Controller Details:

**Port Name:** The port and protocol that this Tag Controller is assigned to. See ports page.

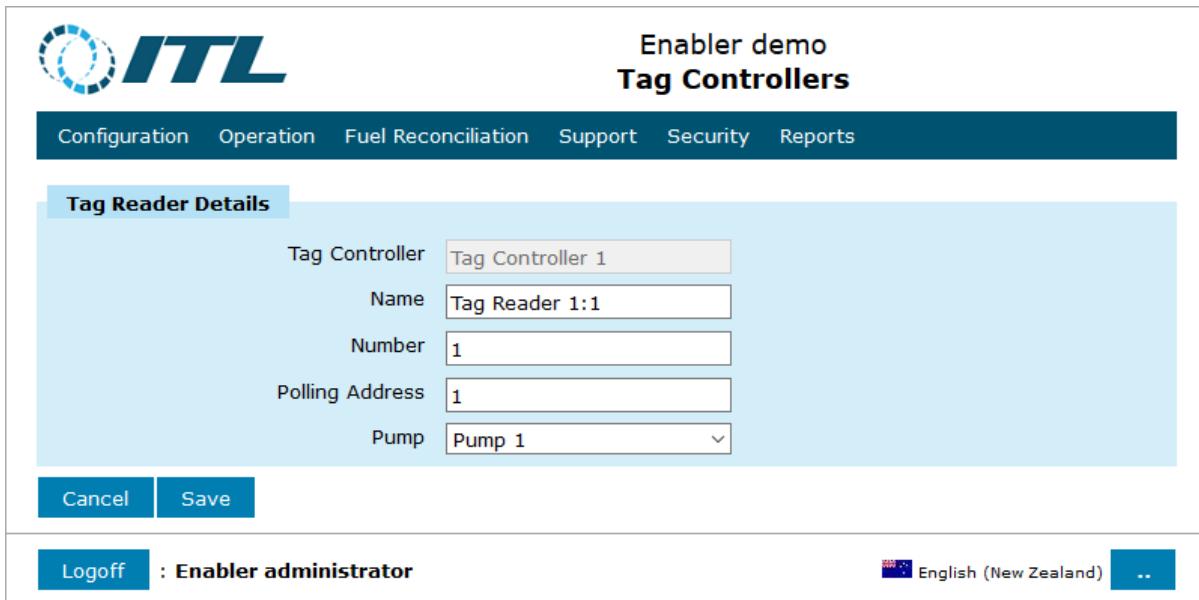
**Type:** The type of Tag Controller to be added to the port. There may be multiple models of Tag controller from a manufacturer.

**Name:** A descriptive name assigned to this Tag Controller. This could be its location.

**Number:** Logical number of Tag Controller.

**Polling Address:** This is the address of the Tag Controller being configured. This will need to match what has been set up on the actual device.

## 2.12.2 Adding/Editing a Tag Reader



The screenshot shows the 'Tag Reader Details' page of the Enabler demo Tag Controllers application. The page has a header with the ITL logo and the title 'Enabler demo Tag Controllers'. A navigation bar below the header includes links for Configuration, Operation, Fuel Reconciliation, Support, Security, and Reports. The main content area is titled 'Tag Reader Details' and contains five input fields: 'Tag Controller' (set to 'Tag Controller 1'), 'Name' (set to 'Tag Reader 1:1'), 'Number' (set to '1'), 'Polling Address' (set to '1'), and 'Pump' (a dropdown menu set to 'Pump 1'). At the bottom of the form are 'Cancel' and 'Save' buttons. The footer of the page includes links for Logoff, a user status message ': Enabler administrator', a language selection for 'English (New Zealand)', and a help icon '...'.

### Tag Reader Details:

**Tag Controller:** The Tag Controller this Tag Reader is assigned to.

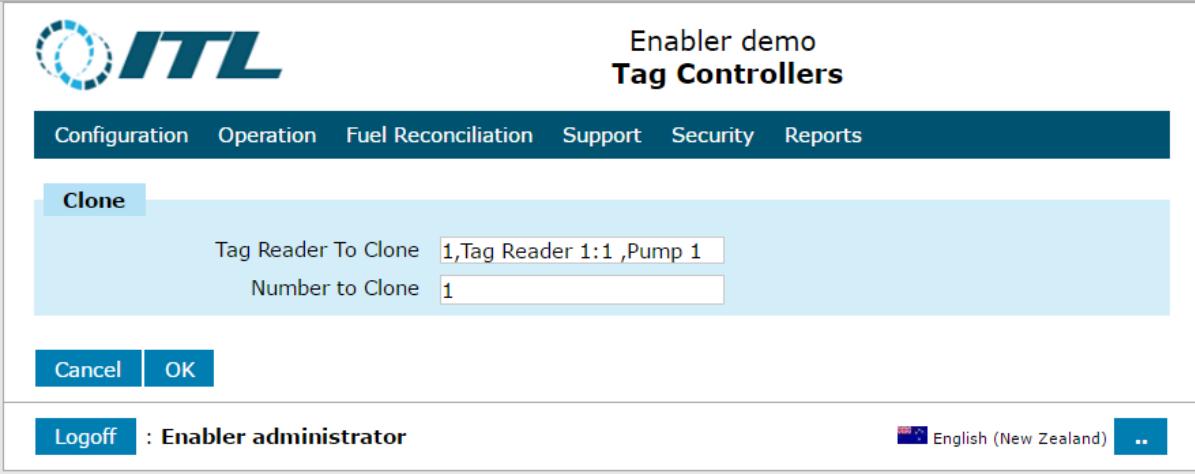
**Name:** A name to assign this Tag Reader. By default, it's "Tag Reader" followed by controller number and reader number. But any name can be given to it.

**Number:** Logical number of this Tag reader.

**Polling Address:** This is the address of the Tag Reader on the Tag Controller. This depends on the type of Tag Controller but it's normally the channel number the reader is connected to.

**Pump:** This is the pump the Tag Reader is associated with. This will be the pump number that is fired as part of the Tag Events; or if Automatic Authorisation by Tag Read is set up, then this is the Pump that will be authorised.

## 2.12.3 Cloning a Tag Reader



The screenshot shows a software interface titled "Enabler demo Tag Controllers". At the top, there is a navigation bar with links: Configuration, Operation, Fuel Reconciliation, Support, Security, and Reports. Below the navigation bar, a sub-menu titled "Clone" is open. Inside the "Clone" dialog, there are two input fields: "Tag Reader To Clone" containing "1,Tag Reader 1:1 ,Pump 1" and "Number to Clone" containing "1". At the bottom of the dialog are two buttons: "Cancel" and "OK". In the bottom left corner of the main window, there is a "Logoff" button followed by the text "Enabler administrator". In the bottom right corner, there is a language selection dropdown set to "English (New Zealand)" with a "..." button next to it.

### Clone Tag Reader Details:

**Tag Reader To Clone:** The source tag reader to clone from. This can only be from the current tag controller selected. If selected tag reader has a pump assigned then cloned readers will map to logical pump equivalents if available.

**Number to Clone:** How many tag readers to create based on selected tag reader. Limited by the max number of tag readers available for this tag controller.

# 3 Operation

This submenu provides site wide configuration and to setup forecourt grades and forecourt devices for the site.

## 3.1 Site Monitor

The Site monitor page allows remote monitoring of the forecourt at real-time.

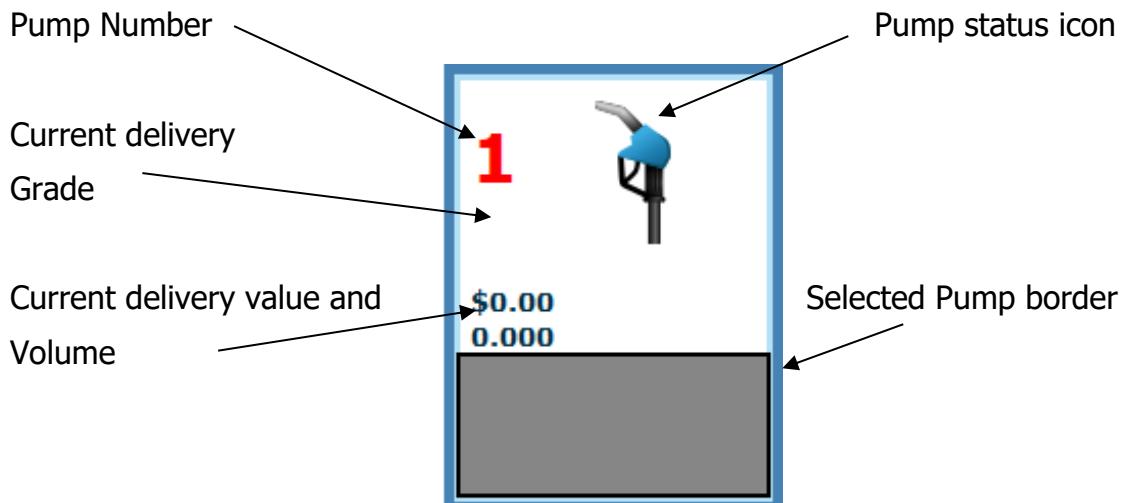
The screenshot displays the Site Monitor dashboard with the following sections:

- Pumps:** Shows seven fuel pumps (1-7) with their respective status icons, transaction details, and total sales.
- Pump 1 Controls:** Buttons for Authorise, Cancel Authorise, Stop, Pause, Resume, Test Delivery, Drive Off, Unlock Deliveries, Events, and Deliveries.
- Tanks:** Displays five tank levels (1-5) with corresponding graphs and event counts.
- Bottom Navigation:** Logoff, Enabler administrator, English (United States), and a Help icon.

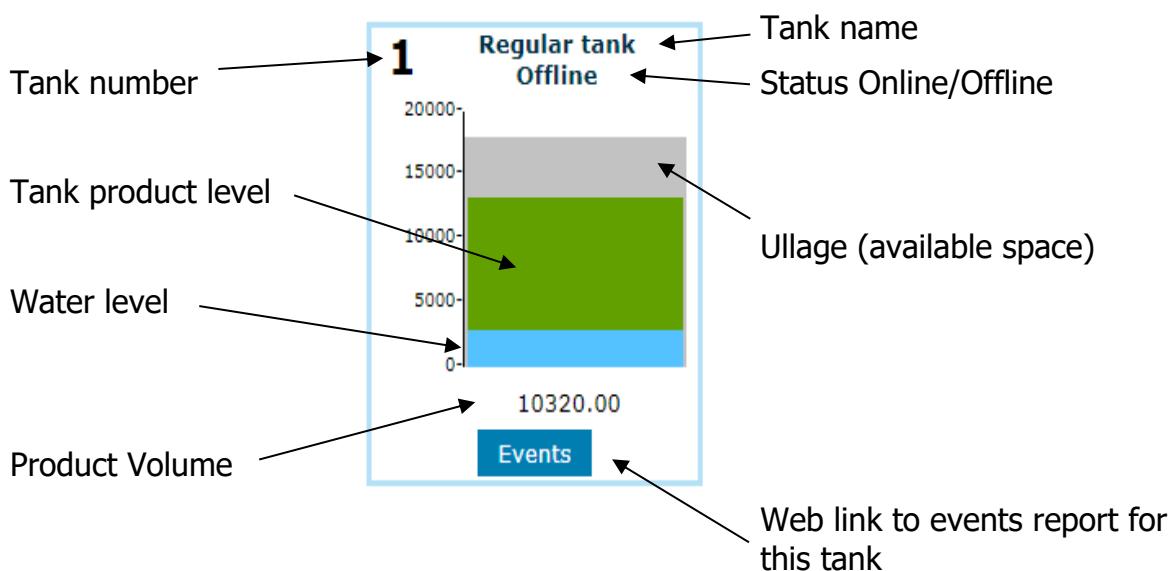
Pump	Status	Grade	Quantity	Total Sales
1	Green	Regular	\$0.00 L 5.170	\$4.90 L 5.170
2	Green	Regular	\$4.01 L 4.230	\$9.14 L 9.635
3	Green	Regular	\$0.25 L 2.585	\$11.37 L 11.985
4	Green		\$0.27 L 2.820	\$20.51 L 21.620
5	Yellow			\$9.36 L 9.870
6	Red	Regular		\$71.58 L 75.427
7	Grey			\$0.00 L 113.505

Tank	Type	Status	Level	Events
1	Regular tank	Offline	Low	10320.00
2	Pulp tank	Offline	Medium	14690.00
3	Diesel tank	Offline	Low	4770.00
4	CNG tank	Offline	Medium	10000.00
5	LPG tank	Offline	Low	6560.00

Each pump shows the following information:



Each Tank shows the following information:



**Button functionality:**

The **All Stop** button will prevent all pumps from commencing fuel delivery and stop all pumps that are delivering fuel.

This button does not show when the user has Read-Only access.

The **Authorise** button will authorize the selected pump. This button will also unblock the selected pump if it has been blocked (e.g. if it was stopped) and authorize it.

This button does not show when the user has Read-Only access.

The **Cancel Authorise** button will cancel the authorization of the selected pump if it has been authorised. This button will also unblock the selected pump if it has been blocked (e.g. if it was stopped).

This button does not show when the user has Read-Only access.

The **Stop** button will prevent the selected pump from commencing fuel delivery and if delivering fuel will stop it from doing so.

This button does not show when the user has Read-Only access.

When delivering, the **Pause** button will suspend fuel delivery until the **Resume** button is pressed.

This button does not show when the user has Read-Only access.

When delivering and if the selected pump has been paused, the **Resume** button will allow that pump to resume fuel delivery.

This button does not show when the user has Read-Only access.

The **Unlock Deliveries** will unlock the selected pump's deliveries that were locked on a disconnected terminal. Otherwise it has no function.

**This button does not show when the user has Read-Only access.**

The **Test Delivery** button will clear the current delivery from the selected pump and will label it as a test delivery.

This button does not show when the user has Read-Only access.

The **Drive Off** button will clear the current delivery from the selected pump and will label it as a driveoff.

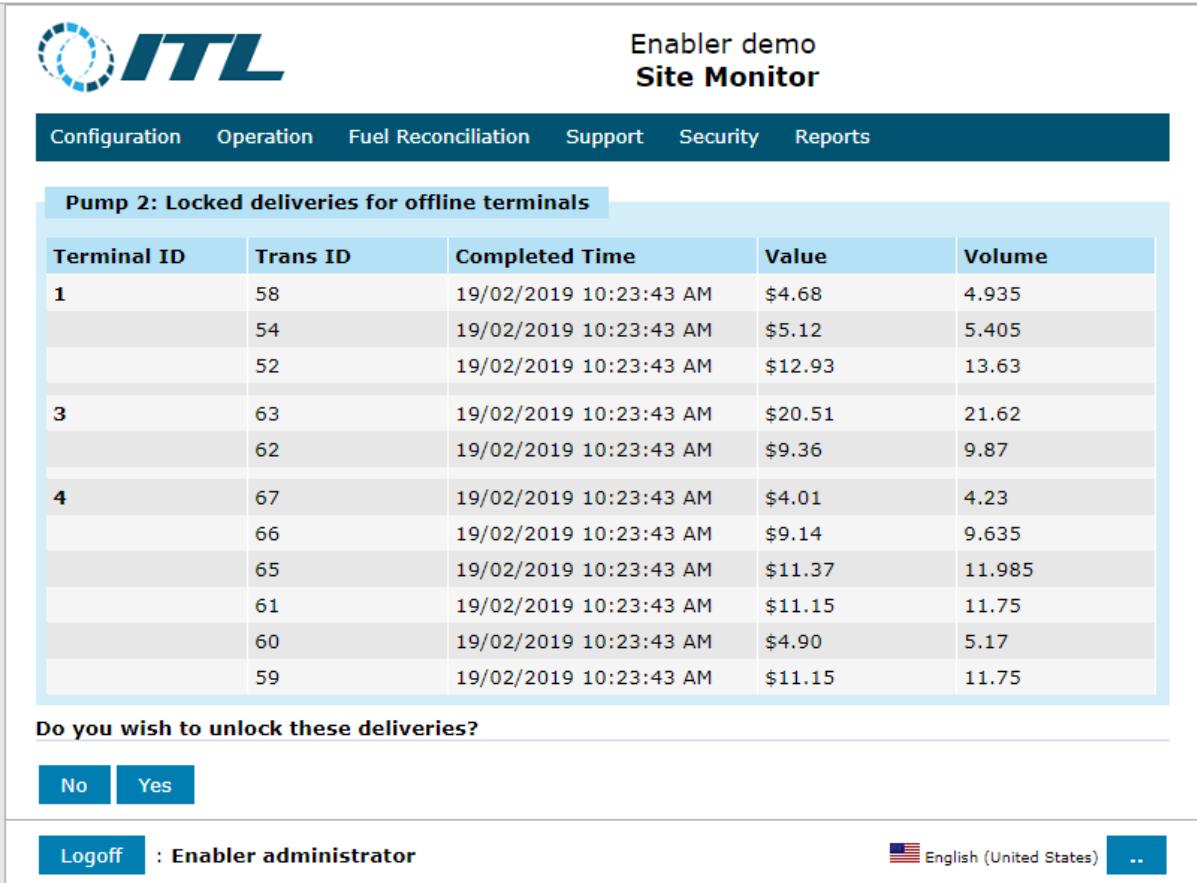
This button does not show when the user has Read-Only access.

The **Events** button will show all events listed for the selected pump.

The **Deliveries** button will show all deliveries listed for the selected pump.

### 3.1.1 Unlock Deliveries confirmation page

This is the Unlock Delivery Confirmation page.



Pump 2: Locked deliveries for offline terminals

Terminal ID	Trans ID	Completed Time	Value	Volume
1	58	19/02/2019 10:23:43 AM	\$4.68	4.935
	54	19/02/2019 10:23:43 AM	\$5.12	5.405
	52	19/02/2019 10:23:43 AM	\$12.93	13.63
3	63	19/02/2019 10:23:43 AM	\$20.51	21.62
	62	19/02/2019 10:23:43 AM	\$9.36	9.87
4	67	19/02/2019 10:23:43 AM	\$4.01	4.23
	66	19/02/2019 10:23:43 AM	\$9.14	9.635
	65	19/02/2019 10:23:43 AM	\$11.37	11.985
	61	19/02/2019 10:23:43 AM	\$11.15	11.75
	60	19/02/2019 10:23:43 AM	\$4.90	5.17
	59	19/02/2019 10:23:43 AM	\$11.15	11.75

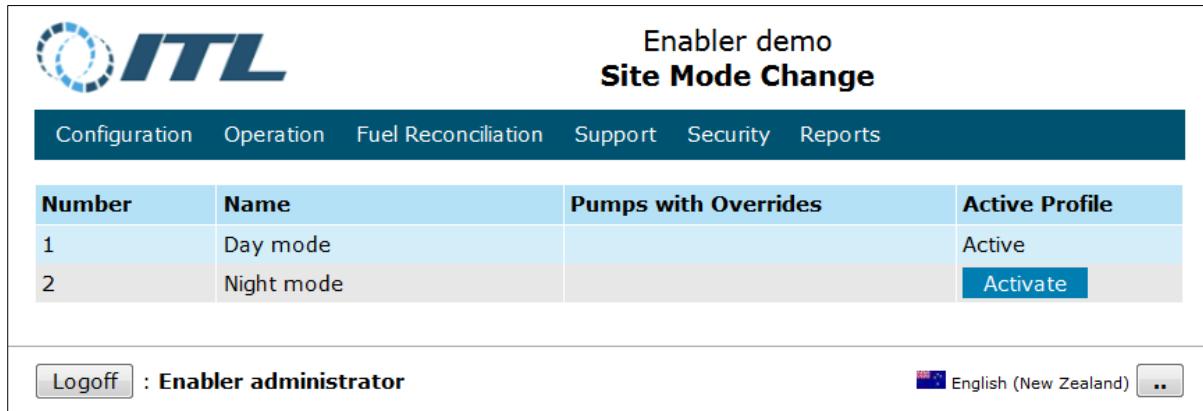
Do you wish to unlock these deliveries?

No Yes

Logoff : Enabler administrator English (United States) ...

## 3.2 Site Mode Change

The Site Mode Change screen shows the Site modes available in the system and allows a Site mode to be activated.



Number	Name	Pumps with Overrides	Active Profile
1	Day mode		Active
2	Night mode		<b>Activate</b>

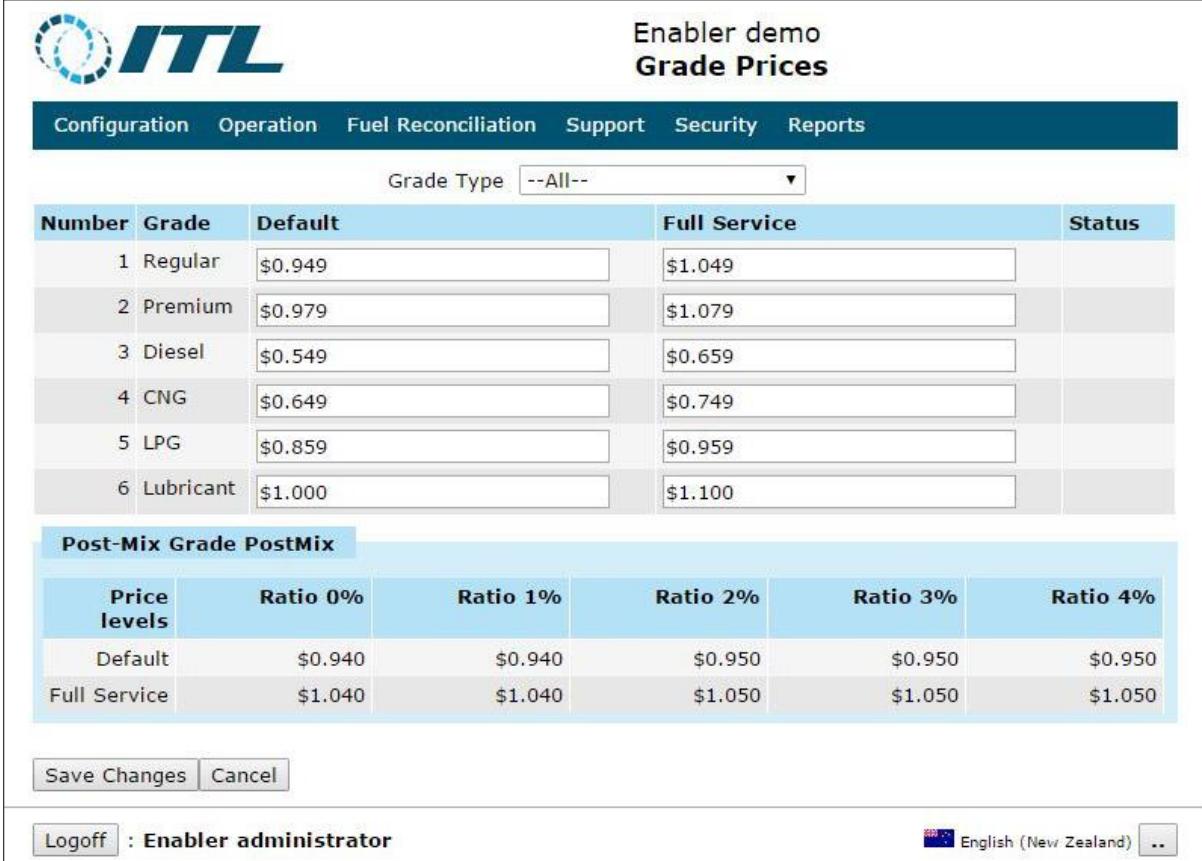
Logoff : Enabler administrator      English (New Zealand)

The **Activate** button will force the selected profile to be activated.

For more information on Site Modes see the [Site Modes](#) configuration page.

## 3.3 Grade Prices

The Grade prices screen provides the ability to quickly set and change grade prices.



The screenshot shows the 'Grade Prices' page with the following details:

- Header:** Enabler demo Grade Prices
- Navigation Bar:** Configuration, Operation, Fuel Reconciliation, Support, Security, Reports
- Grade Type Filter:** Grade Type --All--
- Base Grades Table:**

Number	Grade	Default	Full Service	Status
1	Regular	\$0.949	\$1.049	
2	Premium	\$0.979	\$1.079	
3	Diesel	\$0.549	\$0.659	
4	CNG	\$0.649	\$0.749	
5	LPG	\$0.859	\$0.959	
6	Lubricant	\$1.000	\$1.100	
- Post-Mix Grades Table:**

Price levels	Ratio 0%	Ratio 1%	Ratio 2%	Ratio 3%	Ratio 4%
Default	\$0.940	\$0.940	\$0.950	\$0.950	\$0.950
Full Service	\$1.040	\$1.040	\$1.050	\$1.050	\$1.050
- Buttons:** Save Changes, Cancel, Logoff : Enabler administrator, English (New Zealand), ..

The **Grade Type** dropdown will only be shown if there are Post-Mix Grades available.

Prices for Base Grades and Fixed Blending Grades are displayed at the first section of the page. The Grade Prices for each Price level (designated by a column each) may be edited and saved accordingly by clicking the **Save Changes** button.

Post-Mix Grades for each Ratio are displayed at the bottom part of the page. The Grade Prices here are read only as they're usually auto computed.

For more options with Grade Pricing, please use the [Grade Price Profiles](#) page.

## 3.4 Grade Price Profiles

The Grade Price web page is used to set variable prices at scheduled times for each individual grade.



Grade	Price Profile	Default	Full Service	Actions	
Regular	Regular pricing ▾	\$0.949	\$1.049	<a href="#">View</a>	<a href="#">Edit ( Price )</a>
Premium	Premium pricing ▾	\$0.979	\$1.079	<a href="#">View</a>	<a href="#">Edit ( Price )</a>
Diesel	Diesel pricing ▾	\$0.549	\$0.659	<a href="#">View</a>	<a href="#">Edit ( Price )</a>
CNG	CNG pricing ▾	\$0.649	\$0.749	<a href="#">View</a>	<a href="#">Edit ( Price )</a>
LPG	LPG pricing ▾	\$0.859	\$0.959	<a href="#">View</a>	<a href="#">Edit ( Price )</a>
Lubricant	Lubricant Price profile ▾	\$1.000	\$1.100	<a href="#">View</a>	<a href="#">Edit ( Price )</a>

Post-Mix Grade	Price Profile	Actions
PostMix	PostMix Price Profile ▾	<a href="#">View</a> <a href="#">Edit ( Price )</a>

[Set Profiles](#) [Add Profile](#)

[Logoff](#) : Enabler administrator  English (New Zealand) [...](#)

The **Add Profile** button will create a new grade price profile.

The **Set Profile** button will activate the selected profiles for each Grade.

The **View** button will list the price profiles for the selected grade.

The **Edit (Price)** button will open the Price Profile Price form for the prices of the selected Price Profile.

Post-Mix Grade Price Profiles (when available) are displayed at the bottom of the page.

### 3.4.1 Setting Grade Price Profile

The Price Profile drop down list allows selection of the price profile for each grade. Use the **Set Profiles** button to activate the selected price profile which will update all the grades to the selected price profile.

Configuration	Operation	Fuel Reconciliation	Support	Security	Reports
Grade	Price Profile	Default	Full Service	Actions	
Regular	Regular pricing	\$0.949	\$1.049	<a href="#">View</a>	<a href="#">Edit ( Price )</a>
Premium	Future Price Profile	\$0.979	\$1.079	<a href="#">View</a>	<a href="#">Edit ( Price )</a>
Diesel	Regular pricing	\$0.549	\$0.659	<a href="#">View</a>	<a href="#">Edit ( Price )</a>
CNG	Past Price Profile	\$0.649	\$0.749	<a href="#">View</a>	<a href="#">Edit ( Price )</a>
LPG	CNG pricing	\$0.859	\$0.959	<a href="#">View</a>	<a href="#">Edit ( Price )</a>
Lubricant	LPG pricing	\$1.000	\$1.100	<a href="#">View</a>	<a href="#">Edit ( Price )</a>

After clicking the **Edit** button, you will see the price profile edit screen for a single grade:

Enabler demo Grade Price Profiles					
Configuration	Operation	Fuel Reconciliation	Support	Security	Reports
Price Profile	Scheduled start time	Default	Full Service	Actions	
Future Price Profile	30/11/2014 1:15:00 p.m.	\$1.213	\$1.315	<a href="#">Edit</a>	<a href="#">Delete</a>
Regular pricing	25/11/2014 1:05:52 p.m.	\$0.949	\$1.049	<a href="#">Edit</a>	<a href="#">Set Active</a>
Past Price Profile	25/11/2014 1:01:00 a.m.	\$0.812	\$0.912	<a href="#">Edit</a>	<a href="#">Delete</a>

[Add Profile](#) [Return](#)

[Logoff](#) : Enabler administrator  English (New Zealand) [...](#)

Pressing the **Set Active** button will set that profile as the active price profile for the selected grade.

### 3.4.2 Grade Price Profile Details page



The screenshot shows the 'Grade Price Profiles' configuration screen. At the top, there's a navigation bar with links for Configuration, Operation, Fuel Reconciliation, Support, Security, and Reports. Below the navigation bar, the main content area has two sections: 'Price Profile Prices' and 'Standard Price Levels'. In the 'Price Profile Prices' section, there are dropdown menus for 'Grade' (set to 'Regular') and 'Price Profile' (set to 'Regular pricing'), and a date/time selector for 'Scheduled start time' (set to 'Tuesday, 25 November 2014 13 : 05'). In the 'Standard Price Levels' section, there are input fields for 'Default' (\$0.949) and 'Full Service' (\$1.049). At the bottom left are 'Save' and 'Cancel' buttons, and at the bottom right are 'Logoff' and language selection buttons ('English (New Zealand) ..').

#### Price Profile Prices:

**Grades:** The grade for the price profile.

**Price Profile:** Free-form name for the price profile.

**Scheduled start time:** The date and time for the price profile to become active, and will trigger a grade price change for the affected pumps. This is only applicable if you have more than one Price Profile for a grade. When you have only one Price Profile it is always active.

#### Standard Price Levels:

**Default:** The default price level for the Price Profile.

## 3.5 Blocking

The blocking screen is used to prevent pump fueling for specific grades, tanks or pumps.

Use the Device Selection drop down to select:

- Grades
- Tanks
- Pumps
- Attendant
- All Devices

The **Attendant** option will only be listed if the **Support Attendant** option is turned ON in the **Features & Options** page.

The page below shows all blocking options – by selecting the **All Devices** option.

ITL

**Enabler demo  
Blocking**

[Configuration](#)   [Operation](#)   [Fuel Reconciliation](#)   [Support](#)   [Security](#)   [Reports](#)

Device Selection All Devices

Grade	Enabled
Regular	<input checked="" type="checkbox"/>
Premium	<input checked="" type="checkbox"/>
Diesel	<input checked="" type="checkbox"/>
CNG	<input checked="" type="checkbox"/>
LPG	<input checked="" type="checkbox"/>

Tank Name	Enabled	Auto Blocking
Regular tank	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Pulp tank	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Diesel tank	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
CNG tank	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
LPG tank	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Tank 6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Tank 7	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Pump Name	Enabled	Block Hoses
Pump 1	<input checked="" type="checkbox"/>	Hoses
Pump 2	<input checked="" type="checkbox"/>	Hoses
Pump 3	<input checked="" type="checkbox"/>	Hoses
Pump 4	<input checked="" type="checkbox"/>	Hoses

Attendant Name	Attendant Number	Enabled
Attendant1	1	<input checked="" type="checkbox"/>
Attendant2	2	<input checked="" type="checkbox"/>
Attendant3	3	<input checked="" type="checkbox"/>

Save
Cancel

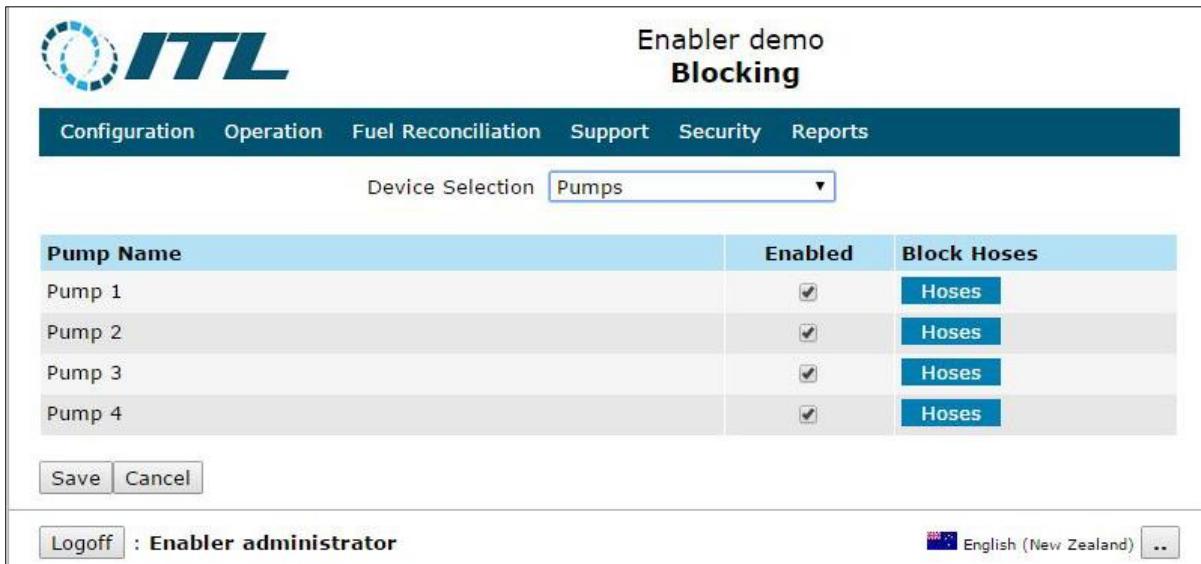
Logoff
: Enabler administrator
English (New Zealand)
...

To prevent pump fueling for a Grade Tank or Pump, untick the 'Enabled' checkbox and press the **Save** button.

For Tanks, Enabler also provides **Auto Blocking** to prevent further pump deliveries when a tank level falls below the Tank low alarm level.

### 3.5.1 Blocking Hoses

As well as preventing pump use for specific grades, tanks and pumps, Enabler also provides the ability to prevent pump use for specific hoses. As shown in the Hose Blocking screen below:



Pump Name	Enabled	Block Hoses
Pump 1	<input checked="" type="checkbox"/>	Hoses
Pump 2	<input checked="" type="checkbox"/>	Hoses
Pump 3	<input checked="" type="checkbox"/>	Hoses
Pump 4	<input checked="" type="checkbox"/>	Hoses

Device Selection: Pumps

Save Cancel

Logoff : Enabler administrator English (New Zealand) ..

To prevent a specific hose being used, untick the 'Enabled' checkbox and press the **Save** button.

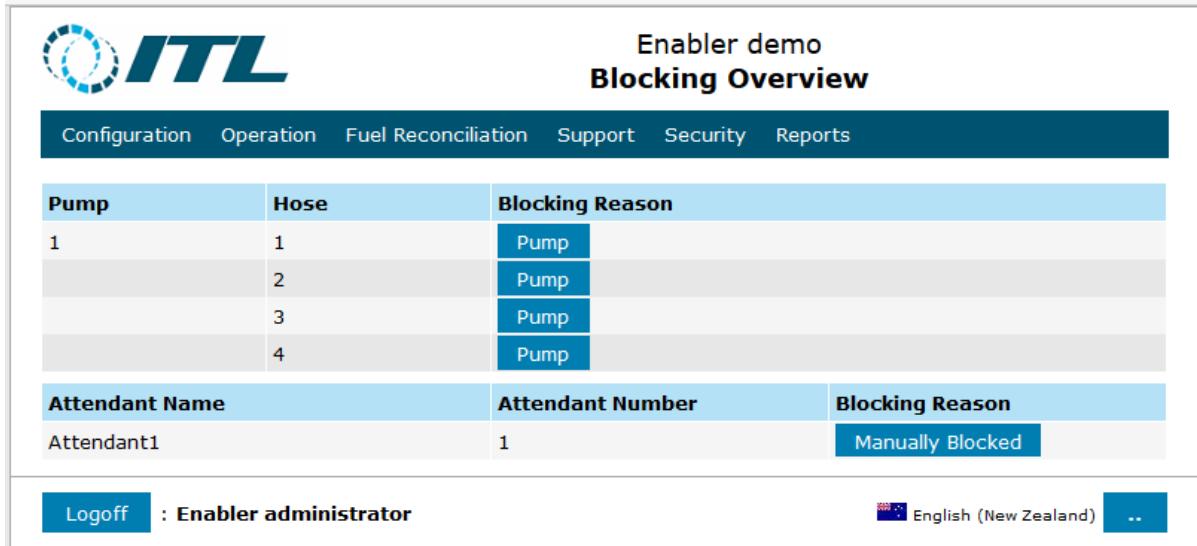
### 3.5.2 Blocking Attendants

The Enabler allows preventing an attendant from authorizing a delivery via blocking page with blocking reason as Manually Blocked.

Also, the blocking page allows to unblock an attendant in order to let the attendant keep authorizing deliveries, however, if an attendant has been blocked because of over float limit, then the attendant cannot be unblocked via blocking page, and the attendant needs to do a safedrop before unblock.

## 3.6 Blocking Overview

The Blocking Overview indicates each pump hose where fueling is prevented by a 'block'. This also indicates a brief description of blocking reason.



The screenshot shows the 'Blocking Overview' section of the Enabler demo application. It displays two tables:

Pump	Hose	Blocking Reason
1	1	Pump
	2	Pump
	3	Pump
	4	Pump

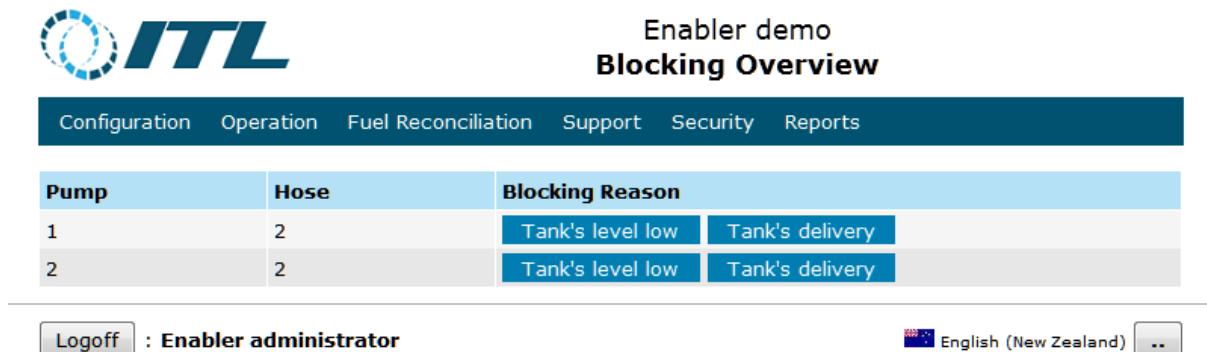
Attendant Name	Attendant Number	Blocking Reason
Attendant1	1	Manually Blocked

At the bottom left is a 'Logoff' button followed by a colon and the text 'Enabler administrator'. At the bottom right are language selection buttons for 'English (New Zealand)' and a three-dot menu icon.

Screenshot above shows an example where pump 1 has been blocked because hoses 1, 2 3, and 4 are blocked.

And Attendant 1 has been manually blocked.

To view or edit the configuration where the block has been set, press the button that appears in the **Blocking Reason** column (in this case **Pump**).



The screenshot shows a web application interface for 'Enabler demo'. At the top, there is a navigation bar with links: Configuration, Operation, Fuel Reconciliation, Support, Security, and Reports. Below the navigation bar is a table titled 'Blocking Overview'.

Pump	Hose	Blocking Reason	
1	2	Tank's level low	Tank's delivery
2	2	Tank's level low	Tank's delivery

At the bottom left of the page, there is a 'Logoff' button followed by the text ': Enabler administrator'. On the right side, there is a language selection dropdown set to 'English (New Zealand)' with a small arrow icon.

Another example of blocked hoses 1 & 2 due to 'Tank's level low', when:

- 'Disable Tank on Low Level Alarm' is checked in Features & Options page and
- The level of the product for hoses 1 & 2 have dropped below the 'Low volume alarm' in the Tank.

Similar behaviour and representation when hoses are blocked due to 'Tank's delivery' event and 'Disable Tank on Tanker Delivery' is checked in Features & Options page (see also screenshot).

## 3.7 Fallback Control (Enabler Embedded Only)

### 3.7.1 Fallback Mode

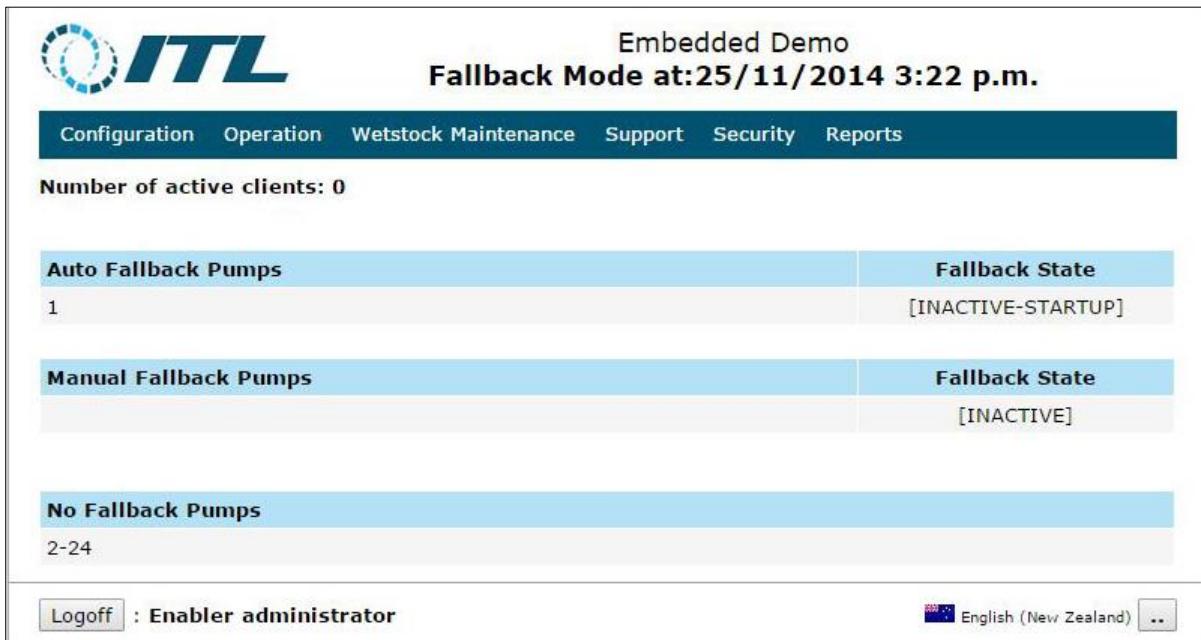
Fallback Mode is a new feature in Enabler Embedded, to allow the normal operation of pumps when all the client applications (e.g. POS) are disconnected by allowing pumps to continue trading fuel even though no site system is connected to Enabler Embedded.

The following options are available when the system is in Fallback Mode:

- Pumps will be auto authorized.
- The delivery stack is set at maximum so all deliveries are stacked.

### 3.7.2 Overview

This page provides an overview of pumps and their 'fallback' status. Specifically, it shows which pumps are enabled for manual or automatic fallback, as well as the option to toggle the state of manual fallback pumps.



Auto Fallback Pumps	Fallback State
1	[INACTIVE-STARTUP]

Manual Fallback Pumps	Fallback State
	[INACTIVE]

No Fallback Pumps
2-24

Logoff : Enabler administrator English (New Zealand) ..

**Number of active clients:** The number of POS client applications that are connected to Enabler. The system will automatically switch the **Auto Fallback Pumps** into fallback state if the number of active clients is 0 (zero) and the pumps are configured for 'Auto Fallback'.

The list of **Auto Fallback Pumps** and **Manual Fallback Pumps** displays the pumps that are enabled for the current profile and fallback state.

Pumps in manual fallback mode are switched on and off by clicking on the **Force Fallback State Change** button. The **Force Fallback State Change** button is displayed when pumps have manual fallback configuration in the active site mode/pump profile.

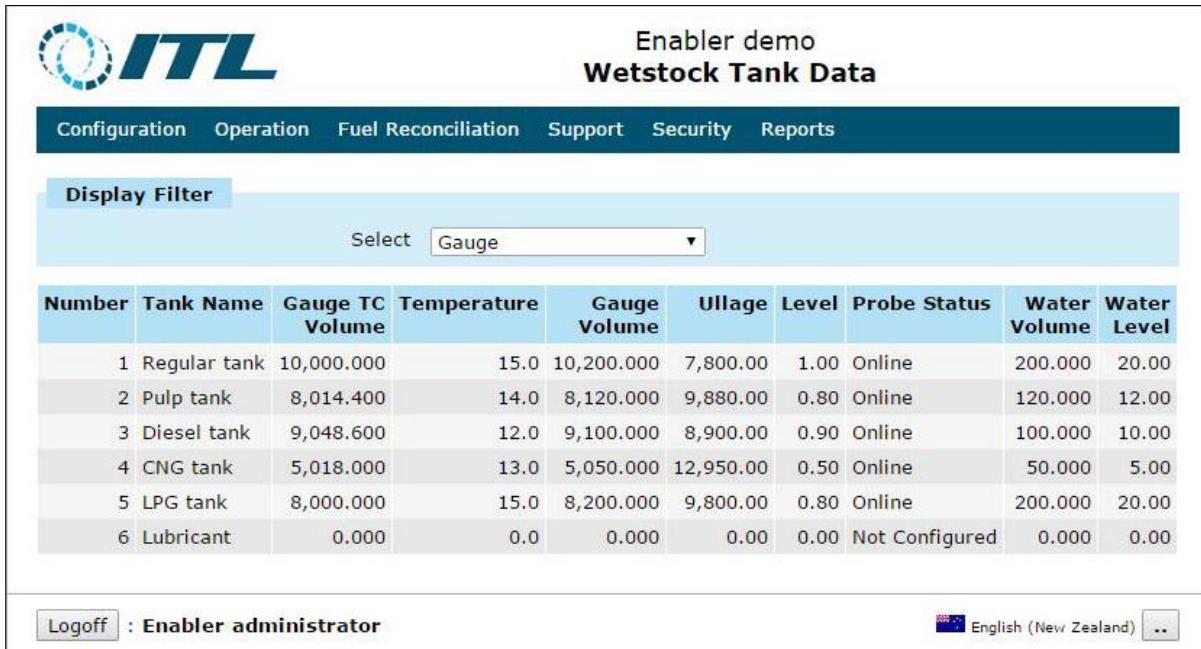
The **No Fallback Pumps** is a list of pumps that are not set for any fallback option.

## 4 Fuel Reconciliation

On Enabler Desktop, the Fuel Reconciliation submenu includes Wetstock Management and Fuel Reconciliation Reporting.

On Enabler Embedded only Wetstock Management is available.

### 4.1 Wetstock Tank Data



The screenshot shows the 'Wetstock Tank Data' page of the Enabler demo application. At the top, there's a navigation bar with links: Configuration, Operation, Fuel Reconciliation, Support, Security, and Reports. Below the navigation bar is a 'Display Filter' section with a dropdown menu set to 'Gauge'. The main area contains a table with the following data:

Number	Tank Name	Gauge TC Volume	Temperature	Gauge Volume	Ullage	Level	Probe Status	Water Volume	Water Level
1	Regular tank	10,000.000	15.0	10,200.000	7,800.00	1.00	Online	200.000	20.00
2	Pulp tank	8,014.400	14.0	8,120.000	9,880.00	0.80	Online	120.000	12.00
3	Diesel tank	9,048.600	12.0	9,100.000	8,900.00	0.90	Online	100.000	10.00
4	CNG tank	5,018.000	13.0	5,050.000	12,950.00	0.50	Online	50.000	5.00
5	LPG tank	8,000.000	15.0	8,200.000	9,800.00	0.80	Online	200.000	20.00
6	Lubricant	0.000	0.0	0.000	0.00	0.00	Not Configured	0.000	0.00

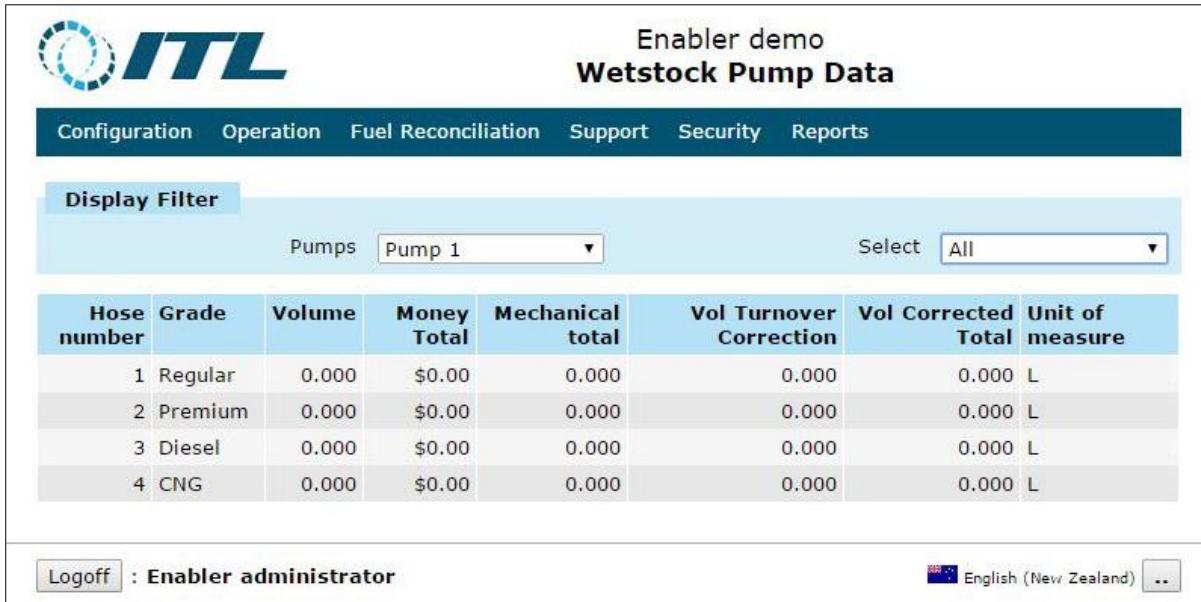
At the bottom left is a 'Logoff' button followed by the text ': Enabler administrator'. On the right, there's a language selection dropdown set to 'English (New Zealand)' with a flag icon, and a small '...' button.

To select the Tank data to view, use the **Data View** drop down and select one of these options:

- **Basic** data,
- **Gauge** data
- **All** data.

**NOTE:** The Book Stock column is not available in Enabler Embedded version.

## 4.2 Wetstock Pump Data



The screenshot shows a web-based application interface for managing wetstock pump data. At the top, there is a header with the ITL logo, the text "Enabler demo", and the title "Wetstock Pump Data". Below the header is a navigation bar with links: Configuration, Operation, Fuel Reconciliation, Support, Security, and Reports. A "Display Filter" section allows selecting a pump (Pump 1 is selected) and a data view option (All is selected). The main content area displays a table of pump data:

Hose number	Grade	Volume	Money Total	Mechanical total	Vol Turnover Correction	Vol Corrected Total	Unit of measure
1	Regular	0.000	\$0.00	0.000	0.000	0.000	L
2	Premium	0.000	\$0.00	0.000	0.000	0.000	L
3	Diesel	0.000	\$0.00	0.000	0.000	0.000	L
4	CNG	0.000	\$0.00	0.000	0.000	0.000	L

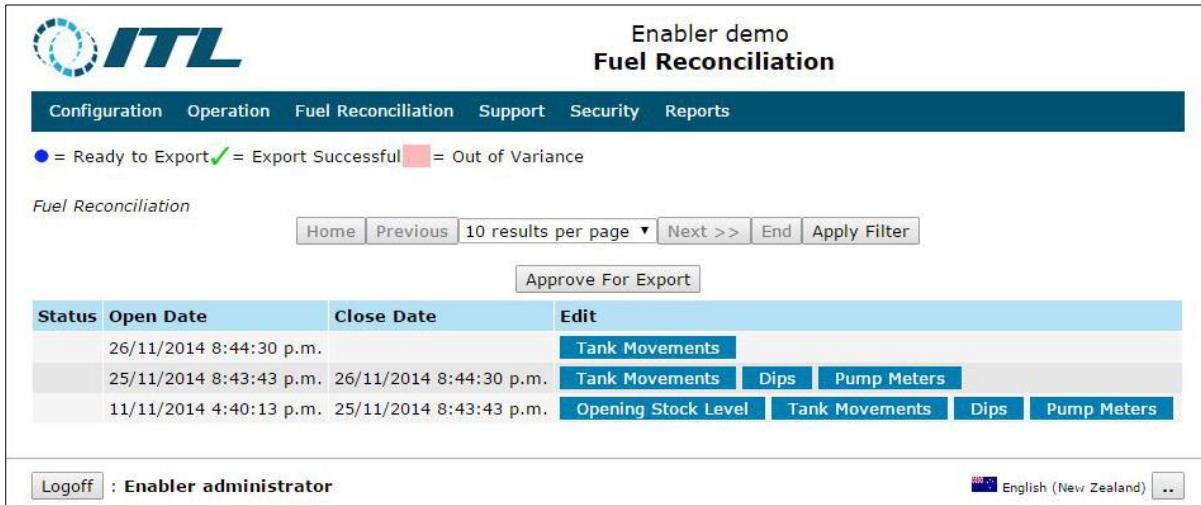
At the bottom of the interface, there are buttons for "Logoff" and "Administrator", a language selection dropdown set to "English (New Zealand)", and a help icon.

To select the pump data to display, select the pump and a Data View option from the list:

- **Basic** data (as shown above)
- **Turnover** data
- **All** data

## 4.3 Fuel Reconciliation (Enabler Desktop only)

The Fuel Reconciliation application provides a stock reconciliation process for wet/fuel stock on the site. The Fuel Reconciliation compares the change in stock volume in a tank with the measured volumes of fuel added and removed during each **Day** report period. The Fuel Reconciliation page allows details of fuel movements to be entered, and then to generate a wet stock reconciliation report.



The screenshot shows the 'Fuel Reconciliation' page of the Enabler demo application. At the top, there's a navigation bar with links for Configuration, Operation, Fuel Reconciliation, Support, Security, and Reports. Below the navigation bar is a legend: a blue circle for 'Ready to Export', a green checkmark for 'Export Successful', and a red square for 'Out of Variance'. The main area is titled 'Fuel Reconciliation' and contains a table of data. The table has columns for Status, Open Date, Close Date, and Edit. Under 'Edit', there are buttons for Tank Movements, Dips, Pump Meters, Opening Stock Level, and Tank Movements. At the bottom left is a 'Logoff' button and a user name 'Enabler administrator'. At the bottom right are language and settings icons.

### 4.3.1 Fuel Reconciliation Process

The Fuel Reconciliation page provides a work-flow process for Wet Stock data entry where all the steps must be followed before the corresponding report can be printed. The **Report** button will only be available if the data entry is completed and marked as "Done".

The Fuel Reconciliation work-flow is as follows:

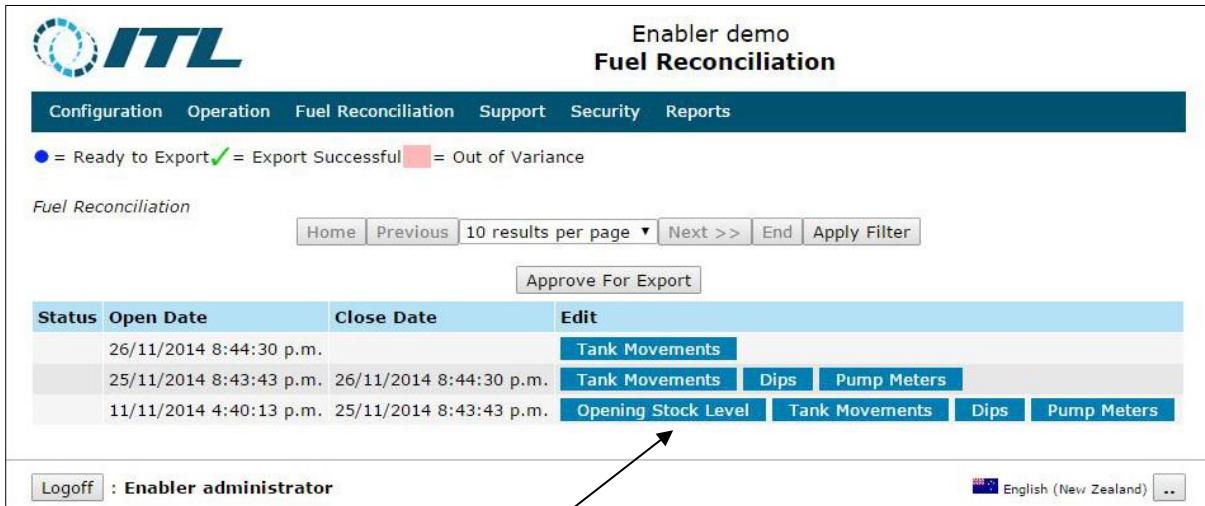
1. Enter the opening stock level (for the first day period only)
2. Enter the tank movements for the open period (e.g. tanker deliveries or tank transfers).
3. Close the day period through your POS application.
4. Enter the closing tank dips data (if automatic tank gauges are not used or are not online).
5. (Optional) Enter the tank movements for the closed period if not already done when the period was open
6. (Optional) Enter the closing pump volume meter readings (most pumps provide electronic readings).
7. View/Print the Fuel Reconciliation Report.

**Note:** The first fuel reconciliation is done slightly differently since there are no prior periods. In this case, it is important that Opening Dip values are entered via the Opening Dips button. These can be entered or adjusted later on.

### 4.3.2 First Fuel Reconciliation period

The very first fuel reconciliation period requires an Opening Stock Level value to be entered manually to initialise the stock data.

Click the **Opening Stock Level** button in the Edit column to enter the initial Stock Levels.



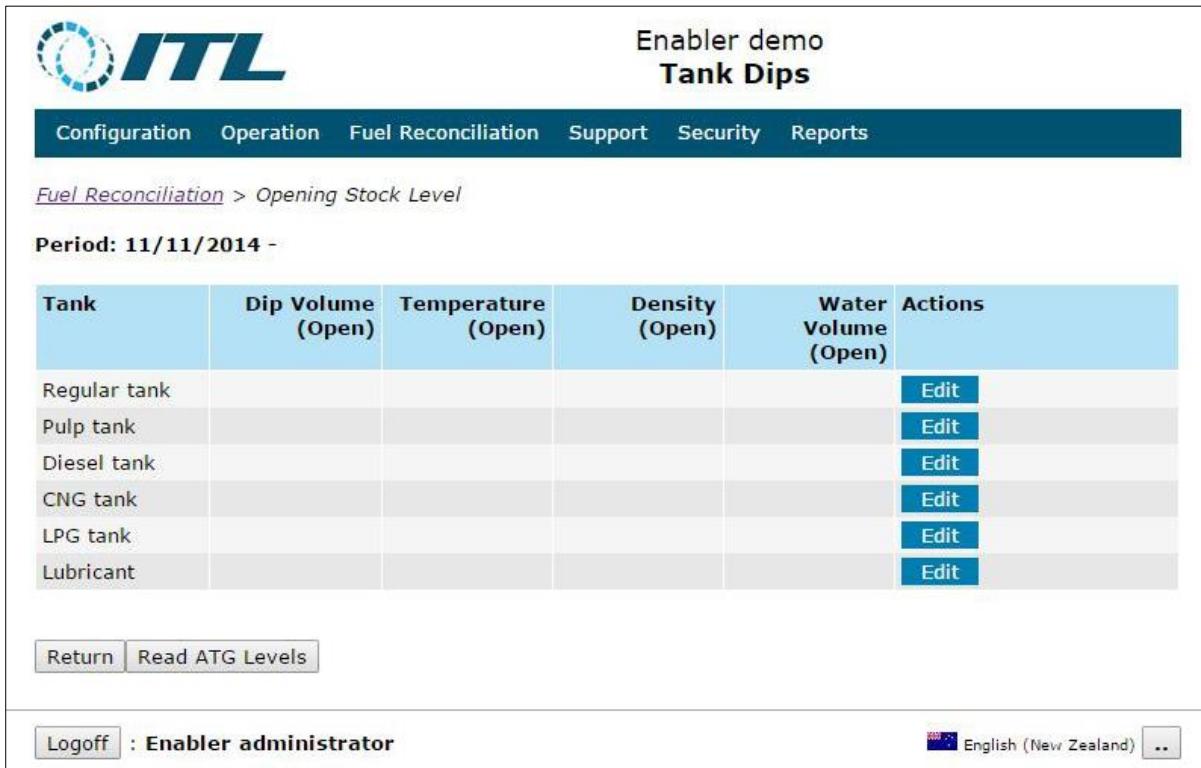
The screenshot shows a web-based application for fuel reconciliation. At the top, there's a navigation bar with links for Configuration, Operation, Fuel Reconciliation, Support, Security, and Reports. Below the navigation bar, a legend indicates: a blue circle for 'Ready to Export', a green checkmark for 'Export Successful', and a red square for 'Out of Variance'. The main area is titled 'Fuel Reconciliation' and contains a table of reconciliation periods. The table has columns for Status, Open Date, Close Date, and Edit. The 'Edit' column contains buttons for Tank Movements, Dips, Pump Meters, and Opening Stock Level. An arrow points from the text 'The Opening Stock Level button' to the 'Opening Stock Level' button in the table. At the bottom of the screen, there are links for Logoff and English (New Zealand), along with a language selection dropdown.

Status	Open Date	Close Date	Edit
	26/11/2014 8:44:30 p.m.		Tank Movements
	25/11/2014 8:43:43 p.m.	26/11/2014 8:44:30 p.m.	Tank Movements Dips Pump Meters
	11/11/2014 4:40:13 p.m.	25/11/2014 8:43:43 p.m.	Opening Stock Level Tank Movements Dips Pump Meters

The Opening Stock Level button

### 4.3.3 Opening Stock Level

The Opening Stock Level screen allows for the initial stock values to be entered into the system before the site begins trading in the first fuel reconciliation period.



Tank	Dip Volume (Open)	Temperature (Open)	Density (Open)	Water Volume (Open)	Actions
Regular tank					Edit
Pulp tank					Edit
Diesel tank					Edit
CNG tank					Edit
LPG tank					Edit
Lubricant					Edit

Period: 11/11/2014 -

Fuel Reconciliation > Opening Stock Level

Configuration Operation Fuel Reconciliation Support Security Reports

Enabler demo  
Tank Dips

Return Read ATG Levels

Logoff : Enabler administrator English (New Zealand) ..

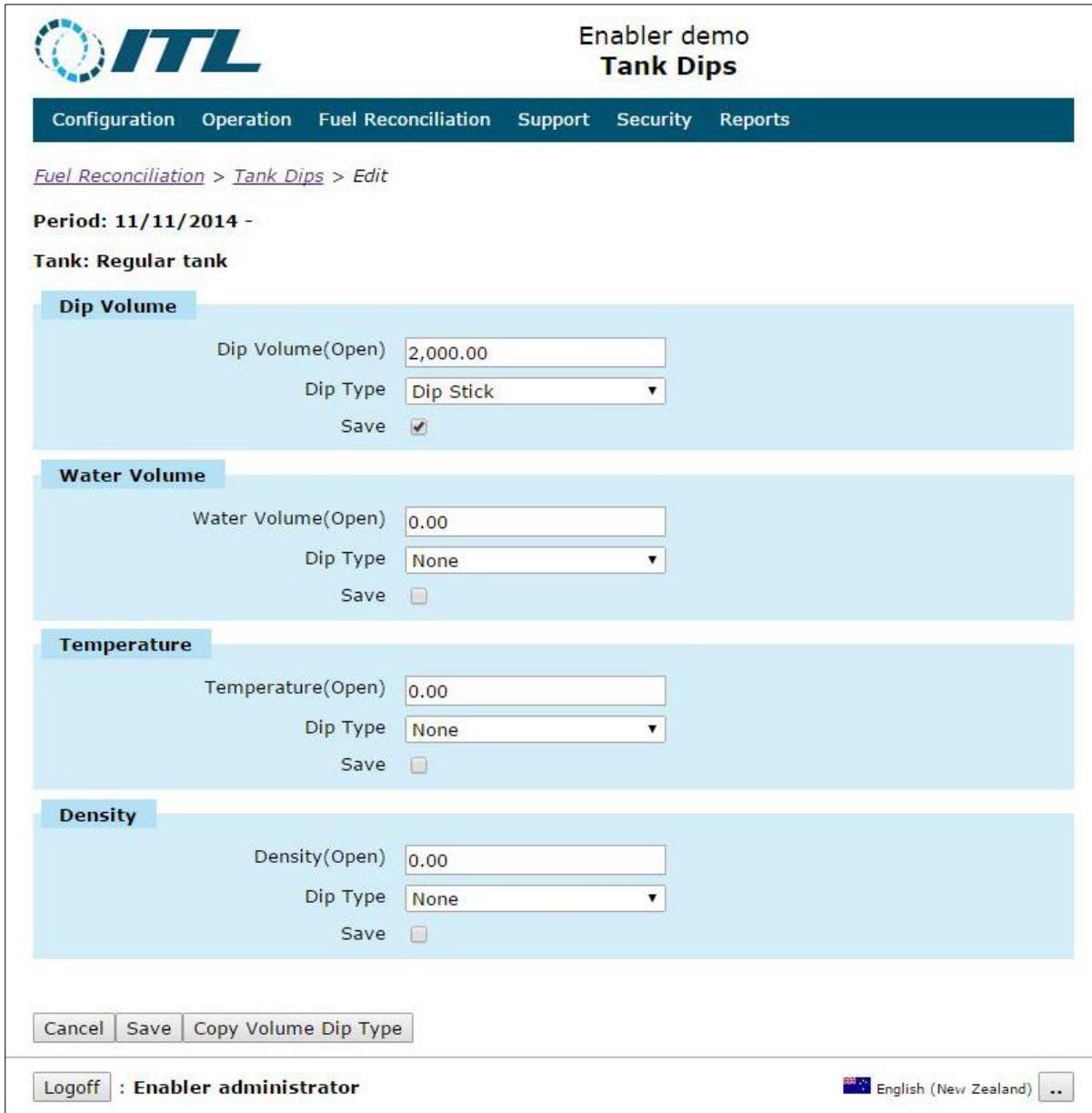
Press the **Edit** button to enter the stock level for each individual tank.

Press the **Return** button to return to the main Fuel Reconciliation screen.

The **Read ATG Levels** button when an Automatic Tank gauge is used instead of using manual dips.

**Note:** The Read ATG Levels button requires an Automatic Tank Gauge setup already in the Enabler system using the Tank Gauges page in Configuration.

#### 4.3.4 Adding Opening Stock Levels



The screenshot shows the 'Fuel Reconciliation > Tank Dips > Edit' screen. At the top, there's a navigation bar with links: Configuration, Operation, Fuel Reconciliation, Support, Security, and Reports. The title 'Enabler demo Tank Dips' is displayed above the main content area.

**Dip Volume:** Dip Volume(Open) is set to 2,000.00, Dip Type is Dip Stick, and the Save checkbox is checked.

**Water Volume:** Water Volume(Open) is set to 0.00, Dip Type is None, and the Save checkbox is unchecked.

**Temperature:** Temperature(Open) is set to 0.00, Dip Type is None, and the Save checkbox is unchecked.

**Density:** Density(Open) is set to 0.00, Dip Type is None, and the Save checkbox is unchecked.

At the bottom, there are buttons for Cancel, Save, Copy Volume, and Dip Type. To the right, there are links for Logoff and a language selection dropdown set to English (New Zealand).

**Fuel Volume (Open):** The opening volume of fuel in the tank.

**Water Volume (Open):** The opening volume of free water in the tank. Before this reading can be saved, the Fuel Dip Volume must be first entered. Also, the data entered must not exceed the specified Fuel Dip Volume.

**Fuel Temperature (Open):** The opening fuel temperature reading. Before this reading can be saved, the Water Volume reading must be first entered.

**Fuel Density (Open):** The opening fuel density reading. Before this reading can be saved, the Temperature reading must be first entered.

Tick the **Save** checkbox if you want the entered reading to be saved. This checkbox is no longer displayed once the reading has been saved.

**Dip Type:** Select either **None**, **Dip Stick** or **Manual ATG Sensor**.

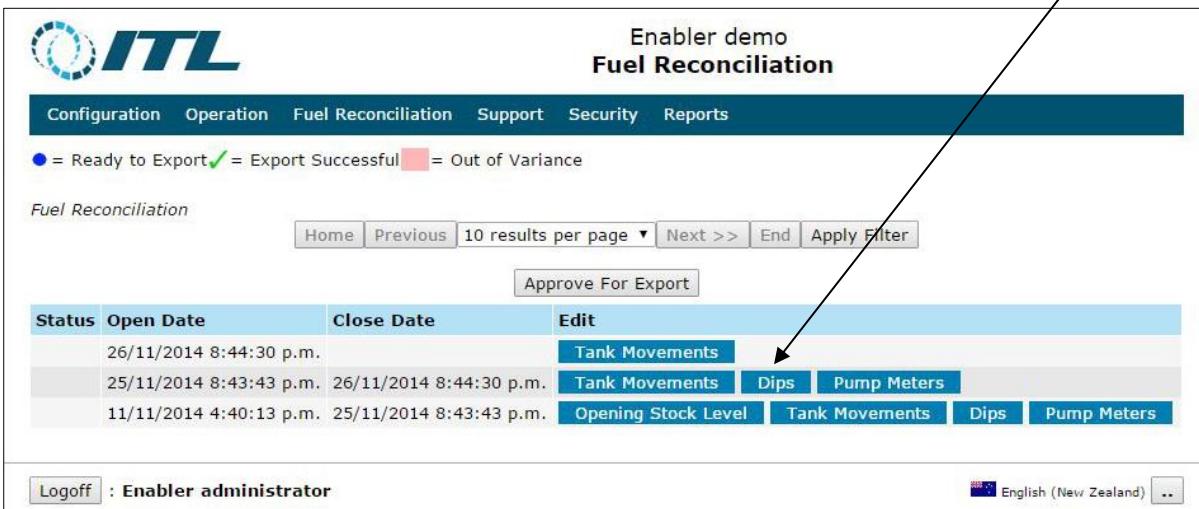
**Cancel (Button):** To discard any entered data and return to the previous page.

**Save (Button):** To save the entered data.

**Copy Volume Dip Type:** To copy the User ID and Dip Type from the Fuel Volume block to all the subsequent blocks below.

### 4.3.5 Adding Dips

Adding Dips is similar to add opening dips and the dips page is accessed by clicking the Dips button for the relevant period. This will only be available if the **Tank Dips** option is ticked in the **Features & Options** page.



The screenshot shows the 'Fuel Reconciliation' section of the Enabler demo application. At the top, there is a navigation bar with links for Configuration, Operation, Fuel Reconciliation, Support, Security, and Reports. Below the navigation bar, a legend indicates: a blue circle = Ready to Export, a green checkmark = Export Successful, and a red square = Out of Variance. A sub-header 'Fuel Reconciliation' is followed by a search/filter bar with links for Home, Previous, 10 results per page, Next >>, End, and Apply Filter. A large table lists reconciliation periods with columns for Status, Open Date, Close Date, and Edit. The first row shows '26/11/2014 8:44:30 p.m.' and '26/11/2014 8:44:30 p.m.'. The second row shows '25/11/2014 8:43:43 p.m.' and '26/11/2014 8:44:30 p.m.'. The third row shows '11/11/2014 4:40:13 p.m.' and '25/11/2014 8:43:43 p.m.'. To the right of the table, there are four buttons: Tank Movements, Dips, Pump Meters, and another Tank Movements button. At the bottom left, there is a Logoff link and the user information 'Enabler administrator'. At the bottom right, there is a language selection dropdown set to 'English (New Zealand)' and a three-dot ellipsis button.

You will then see the dips entry page - similar to the Opening Stock level page:



Tank	Dip Volume	Temperature	Density	Water Volume	Actions
Regular tank					<input type="button" value="Edit"/>
Pulp tank					<input type="button" value="Edit"/>
Diesel tank					<input type="button" value="Edit"/>
CNG tank					<input type="button" value="Edit"/>
LPG tank					<input type="button" value="Edit"/>
Lubricant					<input type="button" value="Edit"/>

Data Entry Completed

Logoff : Enabler administrator  English (New Zealand)

To enter tank dip data, click on **Edit** in the Actions column.

If an Automatic Tank Gauge is connected, these readings will be automatically used unless you enter a manual reading.

The **Data Entry Completed** checkbox must be ticked for the dip data to be locked.

Press **Save** button save changes or **Cancel** to return to Fuel Reconciliation main page without saving changes to current screen.

**ITL**

Enabler demo  
**Tank Dips**

Configuration Operation Fuel Reconciliation Support Security Reports

*Fuel Reconciliation > Tank Dips > Edit*

Period: 11/11/2014 - 25/11/2014 8:43 p.m.

Tank: Regular tank

**Dip Volume**

Dip Volume: 0.00  
Dip Type: None ▾  
Save:

**Water Volume**

Water Volume: 0.00  
Dip Type: None ▾  
Save:

**Temperature**

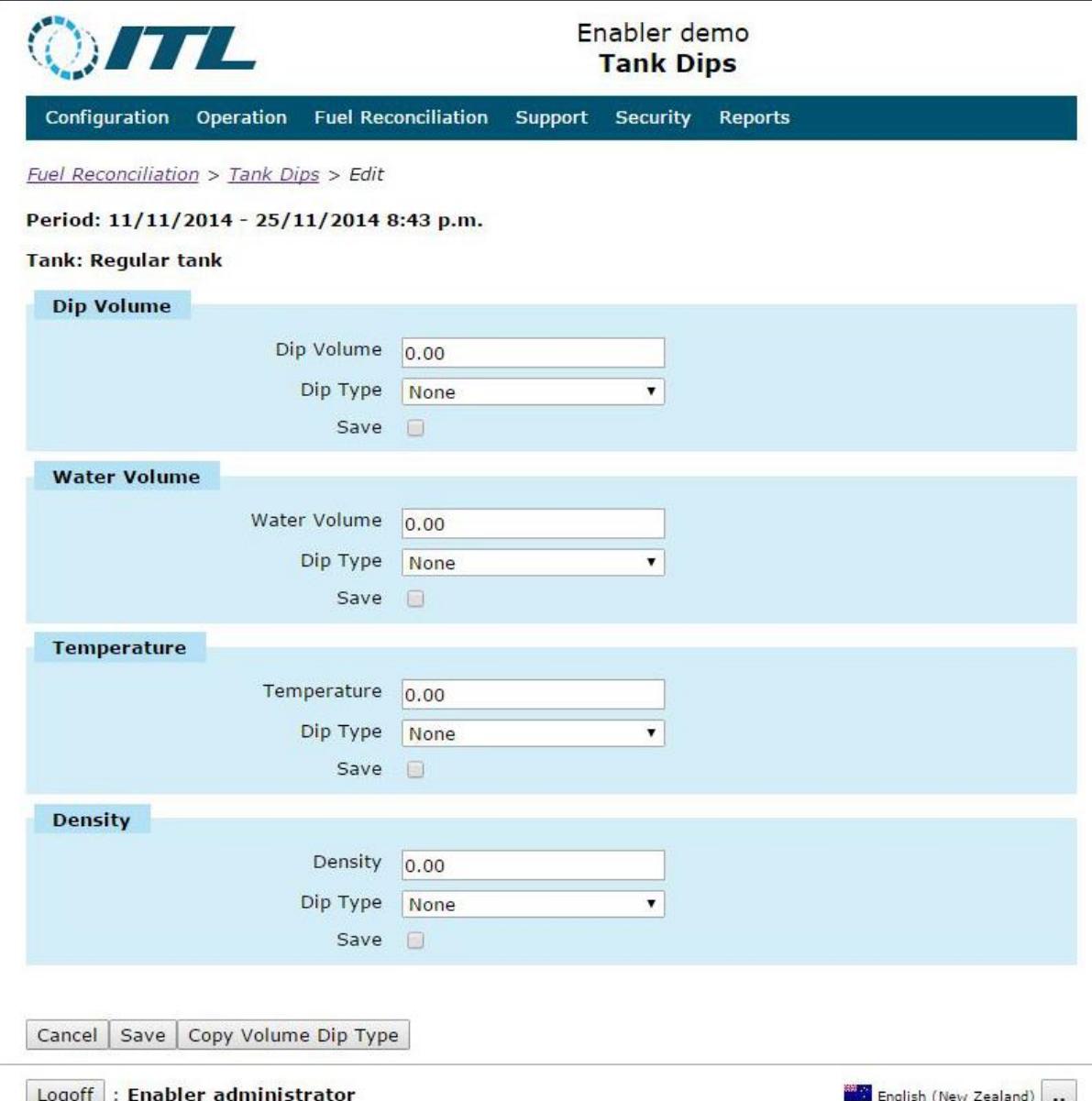
Temperature: 0.00  
Dip Type: None ▾  
Save:

**Density**

Density: 0.00  
Dip Type: None ▾  
Save:

**Buttons:** Cancel | Save | Copy Volume Dip Type

Logoff : Enabler administrator English (New Zealand) ...



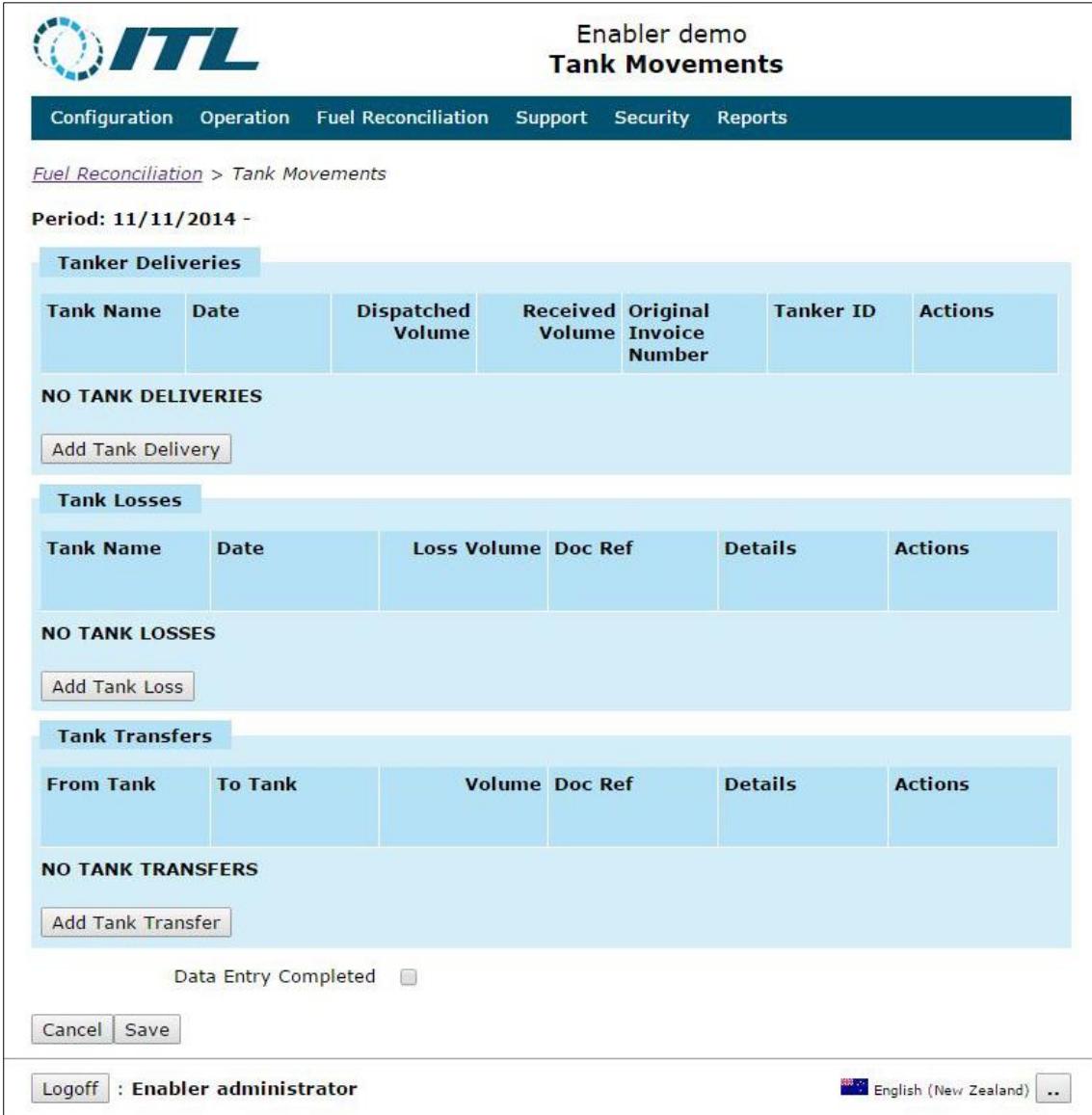
The data entry page is similar except for the fields that are not Open. For example: Fuel Volume, not Fuel Volume (Open). For further information please refer to the Opening Stock Level section.

Press **Save** button save changes or **Cancel** to return to Tank Dips page without saving changes to current screen.

### 4.3.6 Tank Movements

The Tank Movements page will only be available for the current open period or if the **Tank Drops** option is ticked in the **Features & Options** page. This page allows entry of:

- Tank Deliveries (product added to a tank)
- Tank Losses (product pumped out of the tank)
- Tank Transfers (product transferred from one tank to another).



Enabler demo  
**Tank Movements**

Fuel Reconciliation > Tank Movements

Period: 11/11/2014 -

**Tanker Deliveries**

Tank Name	Date	Dispatched Volume	Received Volume	Original Invoice Number	Tanker ID	Actions
NO TANK DELIVERIES						
<input type="button" value="Add Tank Delivery"/>						

**Tank Losses**

Tank Name	Date	Loss Volume	Doc Ref	Details	Actions
NO TANK LOSSES					
<input type="button" value="Add Tank Loss"/>					

**Tank Transfers**

From Tank	To Tank	Volume	Doc Ref	Details	Actions
NO TANK TRANSFERS					
<input type="button" value="Add Tank Transfer"/>					

Data Entry Completed

: Enabler administrator  English (New Zealand)

Tick the **Data Entry Completed** checkbox and then the **Save** button to lock the data. Press **Cancel** button to return to Fuel Reconciliation page without saving changes to current screen.

#### 4.3.6.1 Adding/Editing Tank Deliveries

**Enabler Demo**  
**Tank Movements**

Configuration Operation Fuel Reconciliation Support Reports

*Fuel Reconciliation > Tank Movements > Tank Drops*

Period: 27/08/2014 10:13 p.m. -

**Tank Delivery Details**

Date and Time	Wednesday, 27 August 2014 22 : 14
Confirm date and time	<input type="checkbox"/>
Dispatched Volume	0.00
Drop Volume	0.00
Movement Types:	Ticket
Delivery Note Number	
Tank	Diesel Tank-1
Unit Cost	\$0.00
Driver Identification :	
Tanker Identification :	
Details	
Original Invoice Number	
Dispatched Volume at Reference Temperature	0.00
Received Vol at Ref Temp	0.00
User ID	Admin

**Calculated Variance**

Temperature Variance:	0.000
Variance at Ref Temp	0.000
Total Variance:	0.000

Cancel  Save

Logoff : Admin  English (New Zealand)

**Date Time:** The date and time of the delivery (must be a time during the day reporting period that is being reconciled).

**Confirm date and time:** Tick box to confirm that the entered date and time is correct.

**Dispatch Volume:** (optional) The quantity of fuel loaded onto the tanker. This field is required only for delivery variance calculations.

**Drop Volume:** The quantity of fuel delivered into the tank.

**Received From:** The measurement source of the delivered product. Either:

- Tanker meter (Truck Meter) or
- Manual calculation (Ticket).

**Delivery Note Number:** (optional) The delivery number associated with the delivery tanker.

**Tank:** The Tank that received the fuel delivery.

**Unit Cost:** (optional) The unit cost of delivered fuel.

**Driver ID:** (optional) The tanker driver's ID associated to this delivery.

**Tanker ID:** (optional) The tanker's ID associated to this delivery.

**Details:** (optional) Any further details to be recorded for this this delivery

**Original Invoice Number:** (optional) Required for tanker deliveries that measure variances. The original invoice number is the invoice number created when fuel was dispatched.

**Dispatched Volume at Ref. Temperature:** (optional) The dispatched fuel volume measured at the reference temperature (required for variance calculations).

**Received Volume at Ref. Temperature:** (optional) The received fuel volume measured at the reference temperature (required for variance calculations).

**User ID:** The username of the Enabler Web user who entered the tanker delivery information into Fuel Reconciliation.

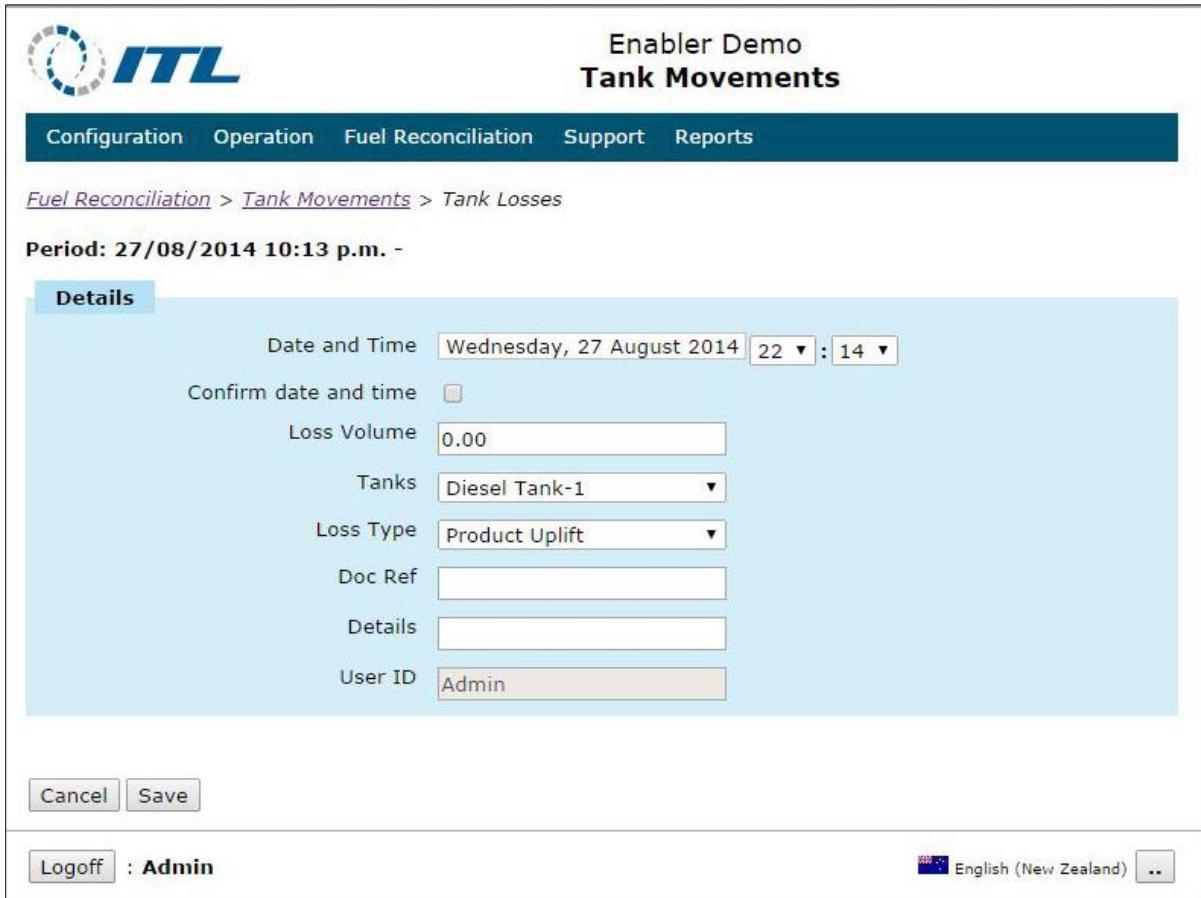
**Temperature Variance:** Variance caused by temperature (read only) of the dispatched versus received volume.

**Variance at Reference Temperature:** Variance of the dispatched versus received volume when measured at the reference temperature (read only).

**Total Variance:** Total variance between the dispatched and received volume (read only).

Press the **Save** button to store the delivery details, or **Cancel** to discard the data entered and return to the previous page.

#### 4.3.6.2 Adding/Editing Tank Losses



The screenshot shows the 'Tank Movements' section of the Enabler Demo application. At the top, there's a navigation bar with links for Configuration, Operation, Fuel Reconciliation, Support, and Reports. Below the navigation is a breadcrumb trail: Fuel Reconciliation > Tank Movements > Tank Losses. A message 'Period: 27/08/2014 10:13 p.m. -' is displayed. The main area contains a 'Details' form with the following fields:

Date and Time	Wednesday, 27 August 2014	22	:	14
Confirm date and time	<input type="checkbox"/>			
Loss Volume	0.00			
Tanks	Diesel Tank-1			
Loss Type	Product Uplift			
Doc Ref				
Details				
User ID	Admin			

At the bottom of the form are 'Cancel' and 'Save' buttons. Below the form, the user information 'Logoff : Admin' is shown, along with language settings for 'English (New Zealand)' and a help icon.

**Date and Time:** The date and time when the loss occurred.

**Confirm date and time:** Tick box to confirm that the entered date and time is correct.

**Loss:** The quantity of product removed or lost from the tank.

**Tanks:** The tank from which product was removed.

**Loss Type:** Indicates the situation where product was removed – select one of the options:

- **Product Uplift** (product was removed or lost)
- **Water Uplift** (water was removed)
- **Empty** (entire tank was emptied)

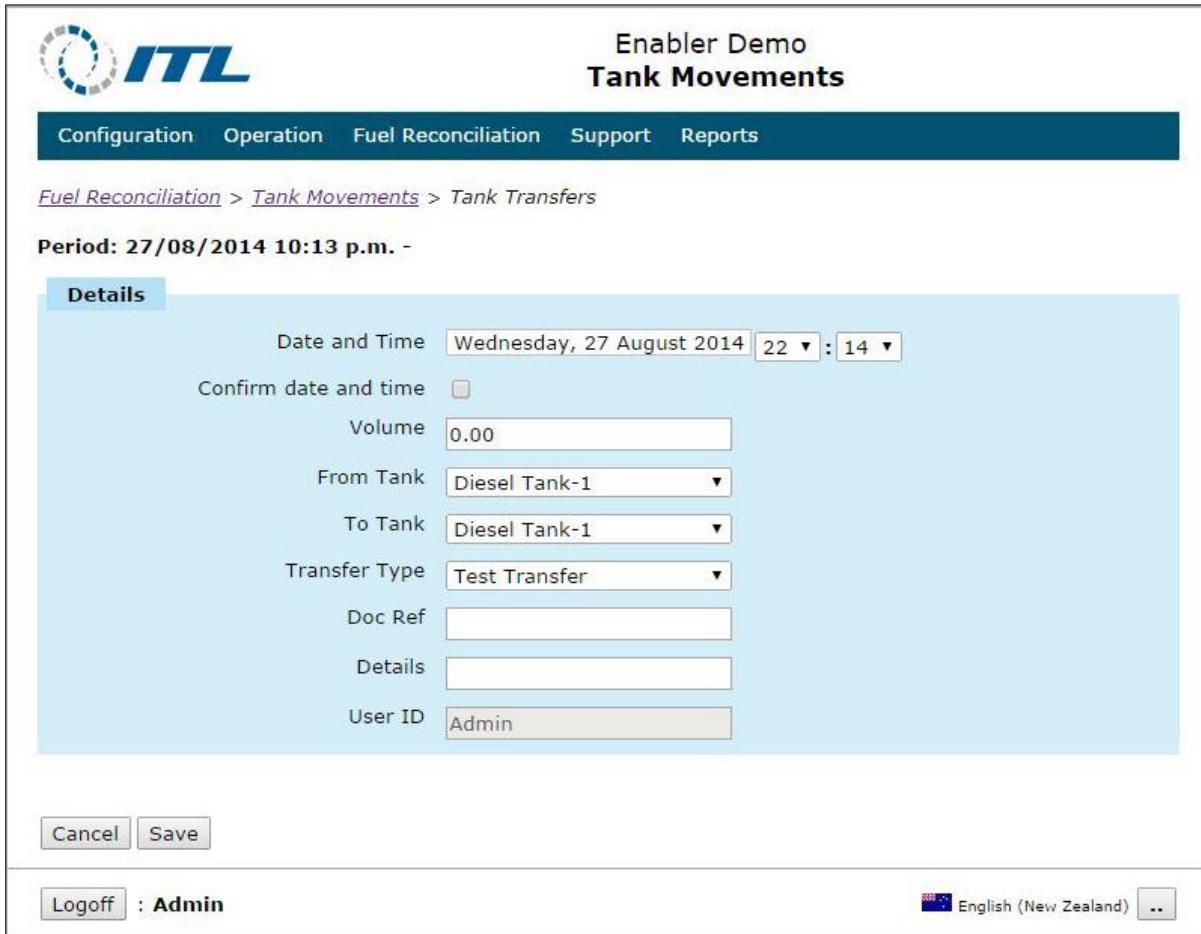
**Doc Ref:** (optional) Reference the document with details of the loss.

**Details:** (optional) Further details or description of the tank loss.

**User ID:** The username of the Enabler Web user who entered the tank loss into Fuel Reconciliation.

Press **Save** button to commit and press **Cancel** to undo all unsaved changes and return to the previous page.

#### 4.3.6.3 Adding/Editing Tank Transfers



The screenshot shows the 'Tank Transfers' form within the 'Fuel Reconciliation > Tank Movements' section. The form includes fields for Date and Time (set to Wednesday, 27 August 2014, 22:14), Volume (0.00), From Tank (Diesel Tank-1), To Tank (Diesel Tank-1), Transfer Type (Test Transfer), Doc Ref, Details, and User ID (Admin). Buttons for Cancel and Save are at the bottom left, and a Logoff link and language selection (English (New Zealand)) are at the bottom right.

**Details**

Date and Time: Wednesday, 27 August 2014 22 : 14

Confirm date and time:

Volume: 0.00

From Tank: Diesel Tank-1

To Tank: Diesel Tank-1

Transfer Type: Test Transfer

Doc Ref:

Details:

User ID: Admin

Cancel Save

Logoff : Admin English (New Zealand) ..

**Date Time:** The date and time of the tank transfer.

**Confirm date and time:** Tick box to confirm that the entered date and time is correct.

**Volume:** The volume/quantity of transferred product.

**From Tank:** The tank from which product was removed.

**To Tank:** The tank to which product was added.

**Transfer Type:** To indicate how the product transfer was done. Either:

- **Test Transfer** indicating the product was dispensed from a pump on the forecourt (as a test delivery), and then added to a different tank.

- **Tank to Tank** indicating the product was pumped directly from one Tank to another without using a forecourt dispenser.

**Doc Ref:** (optional) Reference to the tank transfer document.

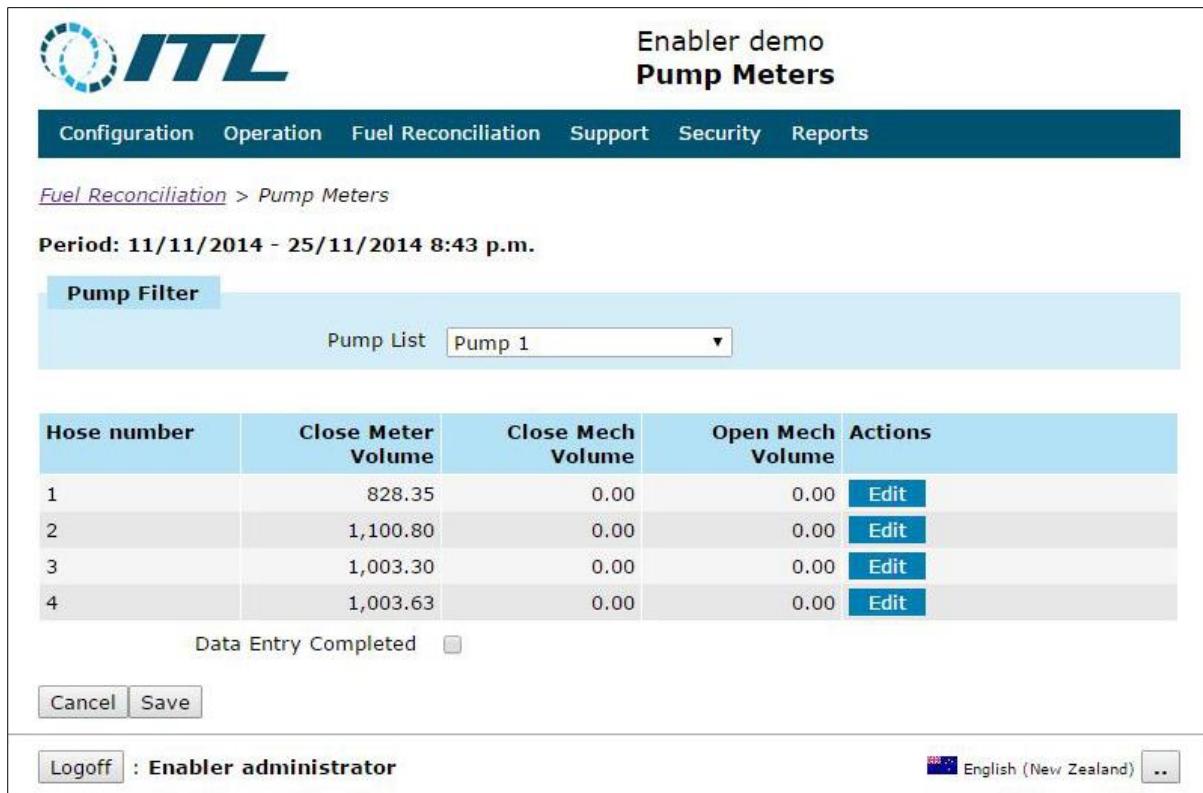
**Details:** (optional) Further details to be recorded with the tank transfer.

**User ID:** The username of the Enabler Web user who entered the tank transfer into Fuel Reconciliation.

Press **Save** to store the transfer details, or **Cancel** to undo all unsaved changes and return to the previous page.

#### 4.3.7 Pump Meters

The meters screen displays both the electronic and mechanical hose meter readings. It also allows entry of the mechanical hose meter readings after closing the period. This will only be available if the **Pump Meters** option is ticked in the **Features & Options** page.



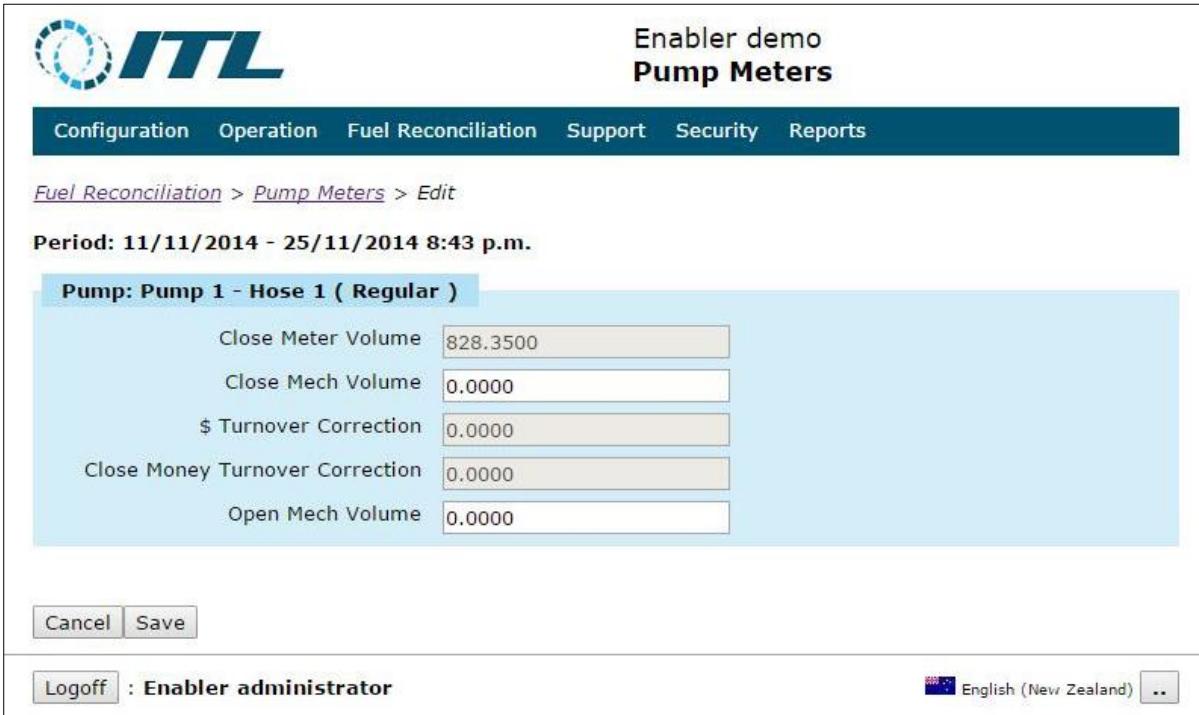
Hose number	Close Meter Volume	Close Mech Volume	Open Mech Volume	Actions
1	828.35	0.00	0.00	<button>Edit</button>
2	1,100.80	0.00	0.00	<button>Edit</button>
3	1,003.30	0.00	0.00	<button>Edit</button>
4	1,003.63	0.00	0.00	<button>Edit</button>

Press **Edit** button in the Actions column to enter mechanical readings.

The **Data Entry Completed** checkbox must be ticked for the pump meter readings to be locked.

#### 4.3.7.1 Editing Mechanical Meter data

This page is most commonly used for entering closing mechanical meters for a pump.



Fuel Reconciliation > Pump Meters > Edit

Period: 11/11/2014 - 25/11/2014 8:43 p.m.

Pump: Pump 1 - Hose 1 ( Regular )

Close Meter Volume	828.3500
Close Mech Volume	0.0000
\$ Turnover Correction	0.0000
Close Money Turnover Correction	0.0000
Open Mech Volume	0.0000

Cancel Save

Logoff : Enabler administrator English (New Zealand) ..

**Close Meter Volume:** The electronic closing meter volume – will be set automatically if the pump supports electronic totals.

**Close Mech Volume:** The closing mechanical pump meter volume.

**Close Volume Turnover Correction:** The adjustment that is added when a pump meter reaches maximum and resets to zero.

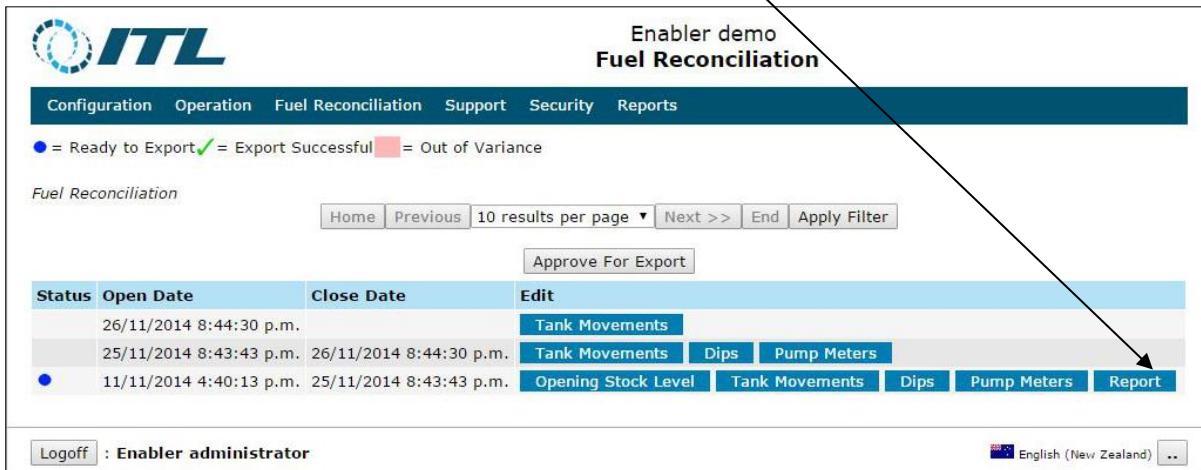
**Close Money Turnover Correction:** The monetary adjustment when a tank meter reaches maximum and resets to zero.

**Open Mech Volume:** The reading of the mechanical pump meter at the beginning of the report period. For the opening period you can enter this value. For subsequent report periods the open reading is copied from the previous period close reading.

Press **Save** button save changes or **Cancel** to return to Pump Meters page without saving changes to current screen.

## 4.3.8 Reports

After each of the data entry screens is marked as complete (the **Data Entry Completed** checkbox must be ticked), the **Report** button will appear in the Edit column. Click this to view the report for that period.



The screenshot shows a web-based application interface for 'Fuel Reconciliation'. At the top, there's a navigation bar with links for Configuration, Operation, Fuel Reconciliation, Support, Security, and Reports. Below the navigation is a legend: a blue circle for 'Ready to Export', a green checkmark for 'Export Successful', and a red square for 'Out of Variance'. The main area is titled 'Fuel Reconciliation' and contains a table of tank movements. The table has columns for Status, Open Date, Close Date, and Edit. The 'Edit' column contains several buttons: Tank Movements, Dips, Pump Meters, Opening Stock Level, Tank Movements, Dips, Pump Meters, and Report. A large black arrow points from the text above to the 'Report' button in the last row of the table. At the bottom of the screen, there are links for Logoff and Enabler administrator, and a language selection for English (New Zealand).

The report provides a reconciliation of wet (fuel) stock to summarise activity in each tank, as well as calculated variance by volume and by percentage of sales.

When data for the previous 5 days is available a 5 day rolling variance is shown.  
When data for the previous 30 day is available a 30 day rolling variance is shown.

**Enabler demo**  
**Fuel Reconciliation**

[Configuration](#)   [Operation](#)   [Fuel Reconciliation](#)   [Support](#)   [Security](#)   [Reports](#)

[Fuel Reconciliation > Reports](#)

Daily Tank Reconciliation Report

Open Date: 11/11/2014 4:40:13 p.m.  
 Close Date: 25/11/2014 8:43:43 p.m.  
 Period: 2

TankNumber Linked To Product Capacity	Tank-1 (Regular tank) Regular 20,000,000	Tank-2 (Pulp tank) Premium 20,000,000	Tank-3 (Diesel tank) Diesel 20,000,000	Tank-4 (CNG tank) CNG 20,000,000	Tank-5 (LPG tank) LPG 20,000,000	Tank-6 (Lubricant) Lubricant 20,000,000
<b>Initial Stock</b>	-	-	-	-	-	-
<b>+ Deliveries</b>	-	-	-	-	-	-
<b>- Transfers</b>	-	-	-	-	-	-
<b>SubTotal</b>	0.000	0.000	0.000	0.000	0.000	0.000
<b>- Pump Use</b>	3,829.869	4,259.269	4,249.868	4,209.360	-	-
<b>= Book Stock</b>	-3,829.869	-4,259.269	-4,249.868	-4,209.360	0.000	0.000
<b>Dip Stock</b>	-	-	-	-	-	-
<b>Variance:</b>						
<b>By Volume</b>	3,829.869	4,259.269	4,249.868	4,209.360	0.000	0.000
<b>By Percentage</b>	-	-	-	-	-	-
<b>Variance Reasons</b>						
5 Day variance from 20/11/2014 8:43:43 p.m. to 25/11/2014 8:43:43 p.m.	3,829.869	4,259.269	4,249.868	4,209.360	0.000	0.000
<b>By Volume</b>	3,829.869	4,259.269	4,249.868	4,209.360	0.000	0.000
<b>By Percentage</b>	-	-	-	-	-	-
30 Day variance from 26/10/2014 8:43:43 p.m. to 25/11/2014 8:43:43 p.m.	3,829.869	4,259.269	4,249.868	4,209.360	0.000	0.000
<b>By Volume</b>	3,829.869	4,259.269	4,249.868	4,209.360	0.000	0.000
<b>By Percentage</b>	-	-	-	-	-	-
<b>Deliveries Note Number</b>						
<b>Tank Drop Volume</b>						
I CONFIRM variances between delivery note volume and deliveries reported above are within tolerances						
Signature:	<u>Approver's Name</u>					
Variance ID <b>Variance Description</b>						
1	Probe missing					
2	Probe stuck					
3	Tank moving at cutover time					
4	Missing delivery (negative variance)					
5	Delivery entered in wrong period (positive variance)					
6	Dispenser maintenance activity					
7	WSM application not running					
8	Sales transactions during delivery					
9	Delivery ticket data not available					
10	Tank maintenance movement missing					
11	Tank maintenance activity entered in wrong period					
12	Tank stock data not entered at same time as turnover					
13	Turnover data not synchronised with manual dips					
14	Stage 1 VR system not working / under maintenance					
15	Stage 2 VR system not working / under maintenance					
16	Not known. Further Investigation required					

: Enabler administrator

English (New Zealand)

**Tank:** The tank number and name.

**Linked To:** Tank number (if any) to which this tank is linked to, including indirect links. Connected tanks are shown in adjacent columns of the report.

**Product:** The name of the Grade stored in the tank.

**Capacity:** The storage capacity of the tank.

**Initial Stock:** Opening stock reading (the closing stock reading from the previous period).

**Deliveries:** The nett volume of tanker deliveries into this tank during the report period.

**Transfers:** The sum of transfers into (or out of) this tank. Positive values indicate product added. Negative values indicate product removed.

**Subtotal:** Indicates the sum: Initial stock + Deliveries + Transfers

**Pump Use:** Indicates the sum of fuel removed from the tank by based on pump use recorded by Enabler. This includes all delivery types including those marked as Drive-off.

**Book Stock:** The current subtotal minus pump use

**Dip Stock:** For tanks that are manually dipped, this is the closing Dip volume. For Tanks with an automatic tank gauge, this is the Tank Gauge volume reading at the end of the day period.

**By Volume:** The dip stock minus the book stock

**By Percentage:** Variance as a percentage of pump use ( $100 * \text{Variance} / \text{Pump Use}$ ). It is displayed 100% when pump use is zero and variance is not zero.

**5 day variance by volume:** Sum of Dip stock minus the Sum of book stock for the most recent 5 days.

**5 day variance by percentage:** Variance as a percentage of pump use ( $100 * \text{Variance} / \text{Pump Use}$ ) for 5 days.

**30 day variance by volume:** Sum of Dip stock minus the Sum of book stock for the most recent 30 days.

**30 day variance by percentage:** Variance as a percentage of pump use ( $100 * \text{Variance} / \text{Pump Use}$ ) for 30 days.

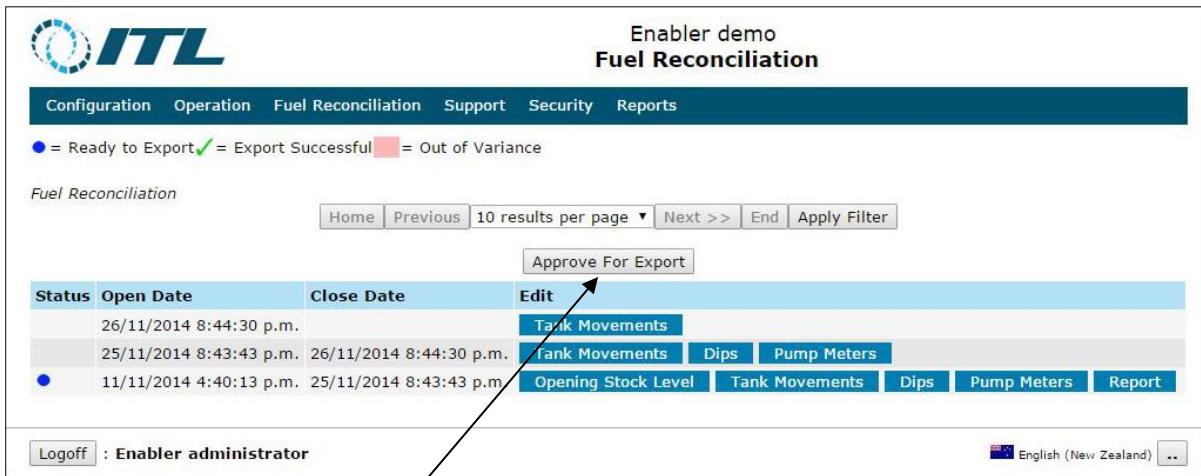
**Note Number:** An internal number generated for tank drops.

**Tank Drop Volume:** Volume of the delivery for that day.

The **Print Report** button sends the report to the selected printer. The **Close** button returns the user to the main Fuel Reconciliation page.

### 4.3.9 Approve for Export

Although Enabler does not include an export module, it does include the capability to mark data as approved for data export. Fuel Reconciliation App will only mark data for export after the data entry is complete.



Status	Open Date	Close Date	Edit
●	26/11/2014 8:44:30 p.m.	26/11/2014 8:44:30 p.m.	Tank Movements
●	25/11/2014 8:43:43 p.m.	26/11/2014 8:44:30 p.m.	Tank Movements Dips Pump Meters
●	11/11/2014 4:40:13 p.m.	25/11/2014 8:43:43 p.m.	Opening Stock Level Tank Movements Dips Pump Meters Report

Approve for Export button

#### Legend

- **Ready for Export** – The data is ready to be exported.
- ✓ **Export Successful** – The data has been marked for export.
- **Out of Variance** – Indicates that there are period values out of variance.

#### Note:

1. Periods can only be exported only when previous periods area also ready to be exported. Approve for export will export **ALL** periods that are ready for export.
2. **Approve For Export** button only will show up based on the **Export Type** setting.

### 4.3.9.1 Approve for Export process

The Approve for Export screen shows reconciliation periods that have not yet been exported.

The screenshot shows the 'Fuel Reconciliation' page with the sub-menu 'Approve For Export'. A message at the top states: '\*Red periods cannot be exported'. The table below lists reconciliation periods:

Open Date	Close Date	Status
5/11/2014 9:50:22 a.m.	21/11/2014 4:41:45 p.m.	Ready to Export
20/11/2014 5:08:49 p.m.	21/11/2014 5:08:49 p.m.	Data Entry must be completed for: Tank Movements
26/11/2014 4:20:17 p.m.	25/11/2014 4:20:17 p.m.	

Buttons at the bottom include 'Approve All' and 'Cancel'.

Status column indicates the corresponding row status, complete all indicated Data Entries will change the period ready to export.

Rows marked in red are incomplete and cannot be exported. Pressing **Approve All** button will mark all the ready periods as approved for export.

**Note:** Periods are approved in chronological order. The period will be marked as exported on the main Fuel Reconciliation page after approval.

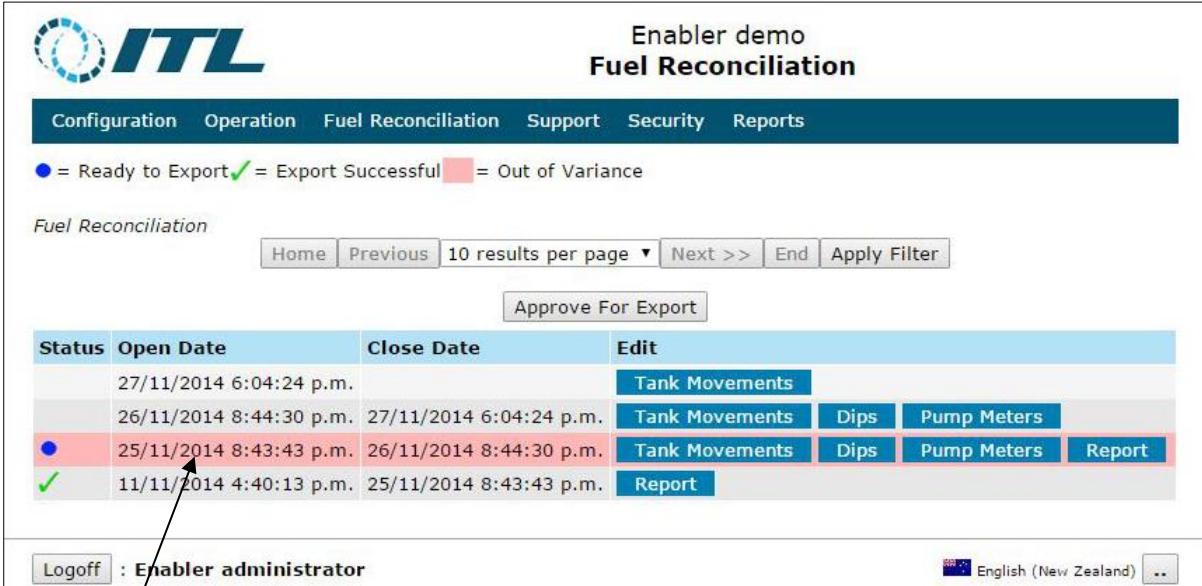
The screenshot shows the 'Fuel Reconciliation' page with the sub-menu 'Approve For Export'. A legend at the top defines colors: ● = Ready to Export, ✓ = Export Successful, ■ = Out of Variance. Below is a table of reconciliation periods:

Status	Open Date	Close Date	Edit
●	26/11/2014 8:44:30 p.m.		Tank Movements
✓	25/11/2014 8:43:43 p.m.	26/11/2014 8:44:30 p.m.	Tank Movements
✓	11/11/2014 4:40:13 p.m.	25/11/2014 8:43:43 p.m.	Dips Pump Meters Report

Buttons at the bottom include 'Logoff' and language selection 'English (New Zealand)'.

#### 4.3.9.2 Out of Variance

The Out of Variance values from fuel reconciliation are values that differ from the system calculations.



The screenshot shows the 'Fuel Reconciliation' section of the Enabler demo application. At the top, there's a legend: a blue circle for 'Ready to Export', a green checkmark for 'Export Successful', and a red square for 'Out of Variance'. Below the legend, there's a table with columns: Status, Open Date, Close Date, and Edit. The table contains four rows:

Status	Open Date	Close Date	Edit
	27/11/2014 6:04:24 p.m.		Tank Movements
	26/11/2014 8:44:30 p.m.	27/11/2014 6:04:24 p.m.	Tank Movements
●	25/11/2014 8:43:43 p.m.	26/11/2014 8:44:30 p.m.	Tank Movements

An arrow points from the text 'Out of Variance period' to the third row of the table, specifically to the 'Status' column which contains a blue dot. The last row of the table has a green checkmark in the 'Status' column and is labeled 'Report' in the 'Edit' column. At the bottom of the table, there are buttons for 'Approve For Export', 'Logoff', and user information ('Enabler administrator').

Out of Variance period

**Note:** Periods that are Out of Variance may be approved for export.

## 5 Support

The items in the support sub-menu provide information about Enabler system.

## 5.1 System Status

This page provides a summary of the running Enabler system.

 Enabler demo  
**System Status**

Configuration Operation Fuel Reconciliation Support Security Reports

**System information**

System Uptime: 0 Day, 5 Hour, 47 Minute  
Pump Server Uptime: 0 Day, 0 Hour, 2 Minute  
Enabler Release: 4.5.2.5127  
Forecourt Interface 2018.03.16.0  
API version: 1  
Pump Server version: 4.3.15.0  
Enabler Web Page version 1.5.21.0  
System Version: Windows 8 x64  
Enabler PCI/Express Firmware: Enabler Express EXP4.46  
build 02 31/01/2018 [FFFFF]  
Enabler E Firmware: 2.0.11

**Overall status**

All OK: 

**Forecourt controller status**

Pump Server:   
Enabler Express (Primary)   
Enabler E (1) 

**Pumps status**

Pumps OK: [ 6 of 6 ]: 

**Interface information**

Port 1 : 2.0.10.0 [ITLMPPSim.dll]  
Port 2 : 3.3.5.0 [Gilbarco.dll]  
Port 3 : 3.4.18.0 [Tatsuno.dll]  
Port 4 : 3.1.8.0 [HongYang.dll]  
IFSF Lon : 3.6.11.0 [IFSF.DLL]  
Enabler E 1 PDM 1 : 2.0.10.0 [ITLMPPSim.dll]  
Enabler E 1 PDM 2 : 2.0.10.0 [ITLMPPSim.dll]  
Enabler E 1 PDM 3 : 2.0.10.0 [ITLMPPSim.dll]  
Extended port 1 : 2.3.5.0 [veederroot.dll]

[Logoff](#) : Enabler administrator  English (New Zealand) ..

(Enabler Desktop)

# ITL

## Embedded Demo System Status

Configuration Operation Wetstock Maintenance Support Security Reports

### System information

System Date & Time: Thursday, 11 October 2018 3:48:01 p.m.  
System Uptime: 0 Days 0 Hours 51 Minutes  
Pump Server Uptime: 0 Day, 0 Hour, 37 Minute  
Enabler Release: 1.3.1  
API version: 1  
Pump Server version: 4.4.0.0  
Enabler Web Page version 1.5.34.0  
System Version: Windows CE 6.0  
Interface Card Firmware: v1.2.11  
[Download System Summary](#)

### Overall status

Errors, see below: 

### Forecourt controller status

Pump Server: ✓  
EMB Interface: ✓  
Storage (7.8%): ✓

### Pumps status

Pumps OK: [ 4 of 4 ]: ✓

### Tanks status

Tanks Online: [ 0 of 1 ]:   
Regular tank: [Probe Offline](#)

### Interface information

EMB Interface PDM 1: 1.1.1.0 [[TatsunoTLC.dll](#)]  
EMB Interface PDM 2: 2.1.0.0 [[ITLMPPSim.dll](#)]

[Logoff](#) : Enabler administrator  English (United States) 

(Enabler Embedded)

### System information:

**System Uptime:** The total time Enabler Server has been running (since boot up).

**Pump Server Uptime:** The total time the pump server has been running.

**Enabler Release:** The Enabler version number.

**Forecourt Interface:** The release date of the Pump Driver (Forecourt Interface) Update that is installed.

**API version:** The version of the API.

**Pump Server version:** The version of the Pump Server

**Enabler Web Page version:** The version of the Enabler Web Page.

**System Version:** The Enabler Server operating system version.

**Enabler PCI/Express / Enabler E / Interface Card:** Firmware versions of the Enabler Cards setup for the system.

**Download System Summary:** Downloadable text summary report for the current Enabler System Information and Configuration.

**Overall status:** A green tick indicates no errors in the system, otherwise a red 'X' is displayed and errors in the current system configuration will be displayed in the Forecourt Controller status block below.

**Forecourt Controller status:** This indicates the status of Enabler Pump Server and Enabler Card(s). Green tick indicates normal operation, and red tick indicates an error condition.

**Pump Status:** A green tick indicates all pumps are online (communicating correctly). Otherwise, a red 'X' indicates errors with the connected pumps and also reports how many pumps are configured correctly. Any pumps that are not responding will be indicated with a link to the Events report so you can view the most recent events for the pump.

Tanks Status: Only visible on systems setup to connect with Tank Gauge equipment. As for pumps this indicates the status of any connected Tank Gauge probes.

**Interface Information:** Display of ports in use, along with the version and name of the driver loaded.



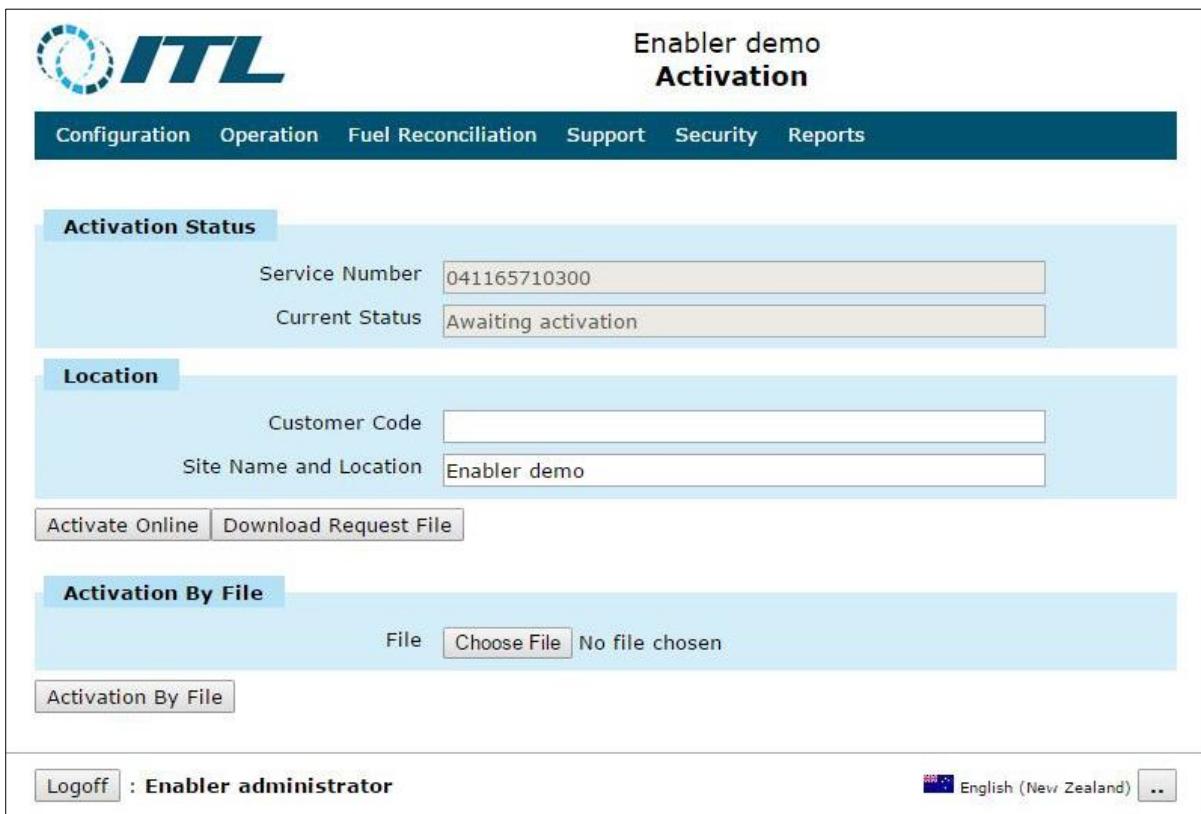
## 5.2 Activation

For Enabler Desktop systems running on V4.5.0 (or newer) with an Express Card installed; or Enabler Embedded systems on V1.2.0 (or newer), then **Software Activation is no longer required**. The Activation menu link will be no longer available.

If your system is based on older software releases or has an Enabler PCI card installed, then please refer to this section on how to Activate.

The Enabler system software must be **activated** by ITL's License Server to be fully operational after first installation. The Enabler system can be activated by:

- Online Activation
- File Activation



The screenshot shows the 'Activation' page of the Enabler web application. At the top, there is a navigation bar with links: Configuration, Operation, Fuel Reconciliation, Support, Security, and Reports. The main content area is titled 'Activation Status' and contains fields for 'Service Number' (041165710300) and 'Current Status' (Awaiting activation). Below this is a 'Location' section with fields for 'Customer Code' and 'Site Name and Location' (both currently empty). At the bottom of the status section are two buttons: 'Activate Online' and 'Download Request File'. A third button, 'Activation By File', is located in the 'Activation By File' section below. This section includes a 'File' input field with a 'Choose File' button and a message 'No file chosen'. At the very bottom of the page, there is a 'Logoff' button followed by the text ': Enabler administrator', a language selection dropdown set to 'English (New Zealand)', and a small '...' button.

### Activation Status:

**Service Number:** The hardware ID of your Primary Enabler Card or Enabler Embedded system.

**Current Status:** Indicates whether the Enabler system is:

**Awaiting activation:** System is not activated. Until activated other functions are disabled.

**Activated:** System activated and all functions are available and operational.

**Activated – TRIAL EXPIRES: xx/xx/xx:** Indicates your system was previously activated but your Enabler Hardware has been swapped. The system remains activated temporarily until the activation is repeated with the new Service Number. System will be return to disabled (Awaiting activation) after the trial expiration date indicated on TRIAL Expire time xx/xx/xx.

### **Location:**

**Integrator Code:** Your Integrator code. The following icon indicators will be displayed as you type in your integrator code:

- ... - more characters required
-  - invalid characters or invalid integrator entered
-  - valid integrator code

Please contact ITL if you do not know your Integrator Code.

**Site Name or Location:** The Site Name by default, it can be edited at the time of activation.

### **Activation By File:**

**File:** Either the Activation Response file provided by ITL support or the Activation XML File after a successful activation of the Enabler (refer to [Save Activation Info](#)).

The three available action buttons are:

**Activate Online:** For Online Activation of the Enabler.

**Activate By File:** For File Activation of the Enabler.

**Download Request File:** To save an Activation Request File from your system.

The Online **Activation** and **File Activation** are detailed below.

## 5.2.1 Online Activation

Check the prerequisites below before attempting an Online Activation.

- The Enabler system reports the **Service Number**.
  - Service Number N/A (Not available) is reported when the Pump Server is not running; the Enabler Card was not detected or system reboot is required.
- The Enabler system is connected to the internet.
  - ITL's Activation Server ([www.integration.co.nz](http://www.integration.co.nz)) is accessible from the Enabler system.
- You have entered your Integrator Code correctly (the code is **case sensitive**).
- You have available Enabler licenses.

Press the **Activate Online** button to continue. Activation processing is normally completed within a few seconds. If Activation does not succeed, a message indicating the result will be displayed. If activation succeeds, the Pump Server will be restarted to activate your Enabler Server.

After successful activation, the activation buttons are replaced by a **Save Activation File** button, and the Enabler system will be fully functional.

## 5.2.2 File Activation

File Activation is provided for:

- Sites without internet access.
- Enabler servers that cannot connect to our license server due to network/firewall restrictions.
- Integrators requiring pre-deployment setup of Enabler systems

File Activation requires that your **Integrator Code** has sufficient Enabler licenses available (these are maintained in our License Server). The steps in the process are described below:

- Enter your Integrator Code into the **Integrator Code** field.
- Click **Download Request File** to generate an ActivationRequest\_xxxx.xml and save it on your PC.
- Email the Activation Request XML file as an attachment to [support@integration.co.nz](mailto:support@integration.co.nz).
- ITL support will reply with an Activation Response XML file. The support team normally respond within 24-48 hours (Monday thru Friday New Zealand time).

- Press the **Browse** button in the **Activate By File** and select the Activation Response XML file received from ITL support.
- Finally, click **Activate By File**.

If the activation file is valid, the Enabler system will be activated within a few seconds, and the Pump Server will be restarted. The Save Activation File button will appear and the Enabler system will be fully functional.

### 5.2.3 Activation problems

For any issues or questions about activation contact [support@integration.co.nz](mailto:support@integration.co.nz) with all the following information:

- AutoSupport Logs
- Activation Request file (if applicable)

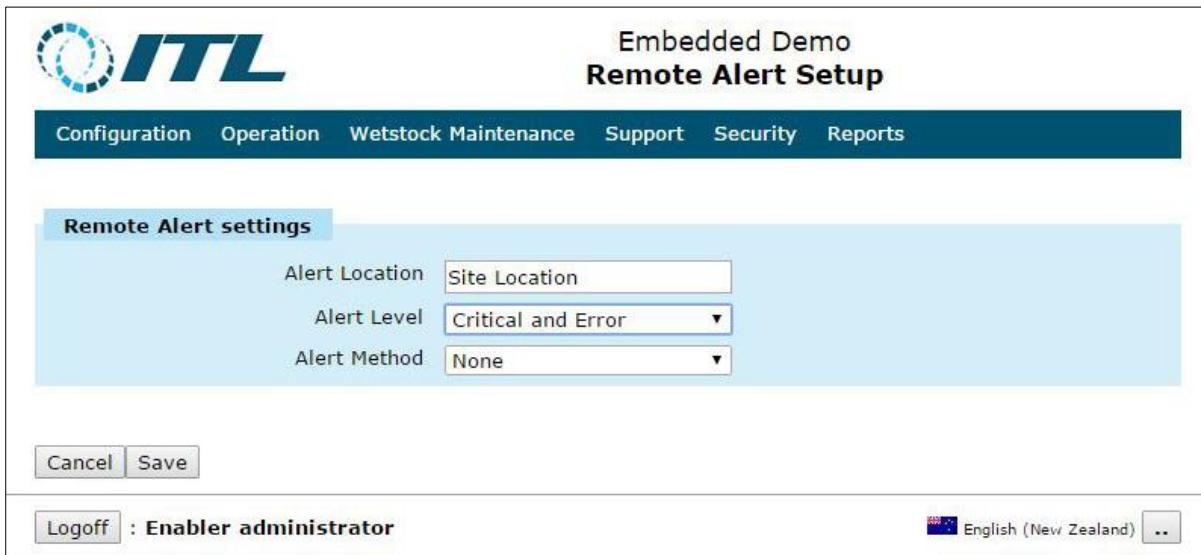
### 5.2.4 Save Activation

The **Save Activation File** button allows you to save the activation details in case you need to reinstall Enabler, or transfer the Enabler Card and license to a new computer.

Pressing the **Save Activation File** button will download the **Activation Details** into an XML file that you may use later on for **File Activation**.

## 5.3 Remote Alert Setup (Enabler Embedded Only)

The Remote Alert Setup page enables configuration of the new remote alert functions, which can automatically send system alerts to an email recipient.



The screenshot shows the 'Remote Alert settings' configuration page. At the top, there's a header with the ITL logo and the text 'Embedded Demo' and 'Remote Alert Setup'. Below the header is a navigation bar with links: Configuration, Operation, Wetstock Maintenance, Support, Security, and Reports. The main content area is titled 'Remote Alert settings' and contains three dropdown menus: 'Alert Location' (set to 'Site Location'), 'Alert Level' (set to 'Critical and Error'), and 'Alert Method' (set to 'None'). At the bottom of this section are 'Cancel' and 'Save' buttons. Below the main content is a footer with 'Logoff : Enabler administrator', a language selection dropdown set to 'English (New Zealand)', and a help icon.

The remote alert function is disabled (by default).

**Alert Location:** Name of the site location to include in alert emails.

**Alert Level:** The alert level determines which system events generate an alert:

- Critical, Errors and Warnings
- Critical and Errors
- Critical only

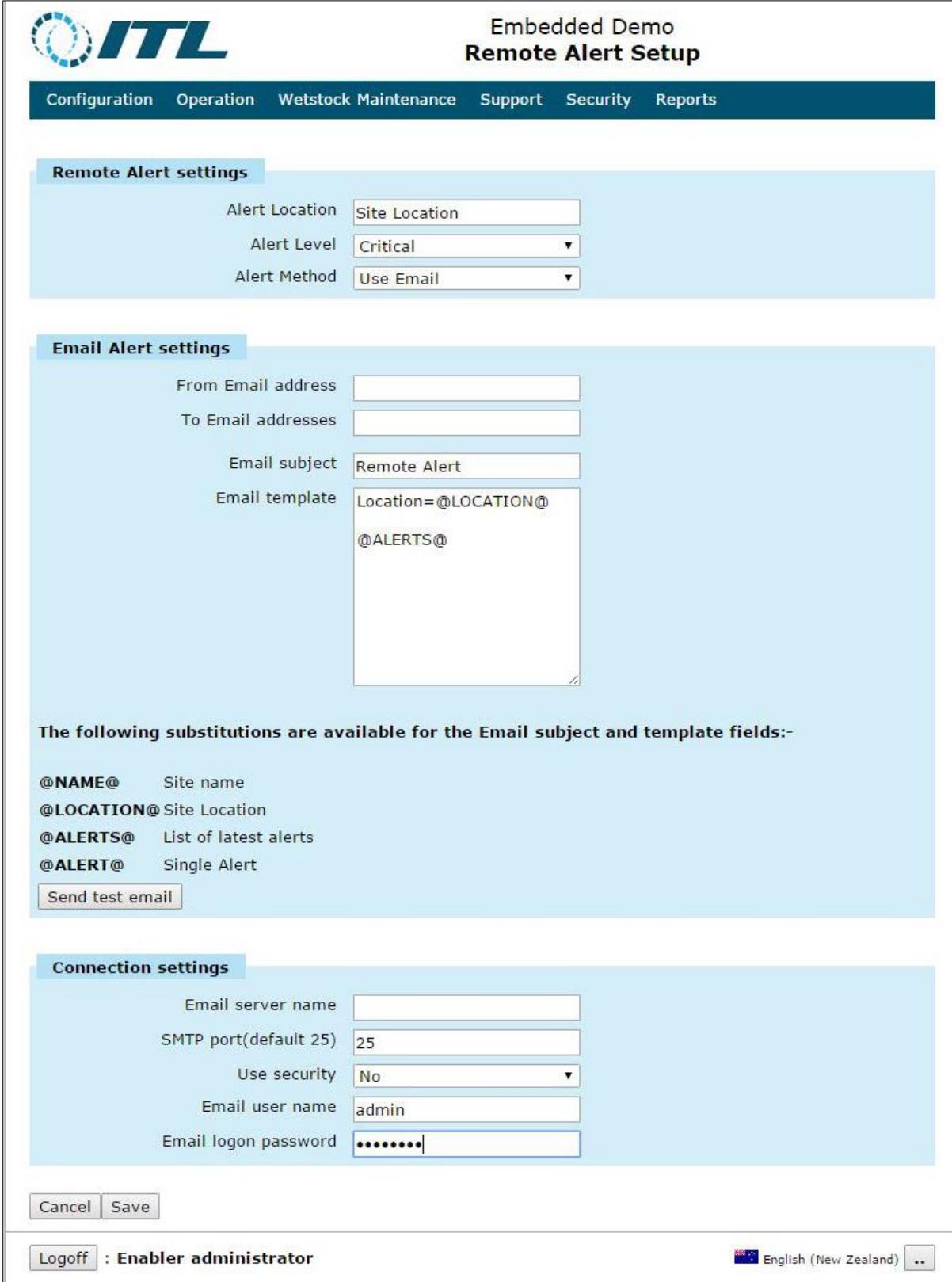
**Alert Method:** To select the available methods for alerting (currently):

**None:** No remote alert is sent.

**Use Email:** Use Email for remote alert.

Email Alert settings and connection settings are displayed when the **Use Email** option is selected:

### 5.3.1 Email Alert settings



The screenshot shows the 'Remote Alert Setup' page with the following configuration:

- Remote Alert settings:**
  - Alert Location: Site Location
  - Alert Level: Critical
  - Alert Method: Use Email
- Email Alert settings:**
  - From Email address: [empty]
  - To Email addresses: [empty]
  - Email subject: Remote Alert
  - Email template:

```
Location=@LOCATION@  
@ALERTS@
```
- Connection settings:**
  - Email server name: [empty]
  - SMTP port(default 25): 25
  - Use security: No
  - Email user name: admin
  - Email logon password: [redacted]

Buttons at the bottom include: Cancel, Save, Logoff : Enabler administrator, English (New Zealand), and a help icon.

**From Email Address:** The email address to use for outgoing alert emails.

**To Email Addresses:** A list of email addresses (separated by semicolon) that the Alert will be sent to.

**Email Subject:** The subject to be shown in the alert email, which can contain one of the predefined macros. See Email template for further details.

**Email template:** The template for the body of the alert email, normally a text with the following macro (the macro will be substituted accordingly when the email is sent).

**@NAME@** Site name from site settings

**@LOCATION@** Site Location configured in the Alert location

**@ALERTS@** To insert into the email up to 20 new alerts. (E.g. it will insert 1 alert for 1 new email)

**Note:** Multiple @ALERTS@ macros can be inserted in the same email.

**@ALERT@** To insert the next alert in the email

When creating a template consider the target of the email. For example, the size of email will be limited to 160 characters if the email is sent via an SMS gateway.

**Send test email:** To test the email alert configuration by sending a test alert email.

### 5.3.2 Connection settings

The alert email connections setting defines the parameters required to communicate with a SMTP server.

**Email server name:** The network name of the SMTP service host computer.

**SMTP port:** TCP/IP port number used to communicate with the SMTP server.

**Use Security:** Options for: No security or Use SSL security

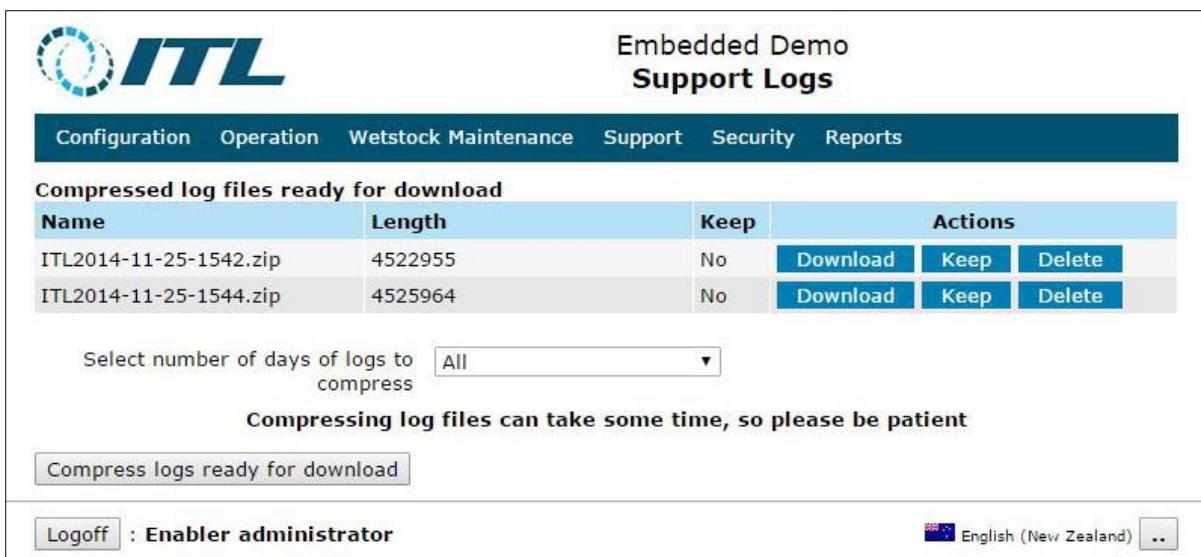
**Email User Name:** The user's name used to login to the SMTP server.

**Email logon Password:** The password associated to the user's name for login to the SMTP server.

**Note:** If you intend to use Google's SMTP server (smtp.gmail.com), ensure that the account you use have the **Allow less secure apps setting** to **ON**. This setting is under the Sign-in & Security options for your google account.

## 5.4 Logs (Enabler Embedded Only)

The Logs page is provided so you can get diagnostic logs from Enabler Embedded. If you need to escalate an issue to our support team, Enabler system logs should be zipped and sent for diagnosis and evaluation.



The screenshot shows the 'Support Logs' section of the Enabler Embedded web interface. At the top, there is a navigation bar with links: Configuration, Operation, Wetstock Maintenance, Support, Security, and Reports. Below the navigation bar, a heading reads 'Compressed log files ready for download'. A table lists two log files:

Name	Length	Keep	Actions		
ITL2014-11-25-1542.zip	4522955	No	Download	Keep	Delete
ITL2014-11-25-1544.zip	4525964	No	Download	Keep	Delete

Below the table, there is a dropdown menu labeled 'Select number of days of logs to compress' with 'All' selected. A note below the dropdown says 'Compressing log files can take some time, so please be patient'. A button labeled 'Compress logs ready for download' is present. At the bottom of the page, there are links for 'Logoff' and 'Enabler administrator', and a language selection dropdown set to 'English (New Zealand)'.

The screenshot shows an example where a list of compressed log files is available to be downloaded.

**Note:** The compressed logs files may be automatically purged from the system unless the Keep parameter is set as 'Yes'.

Press **Keep** to toggle the Keep setting for a ZIP file. Set Keep to **Yes** to prevent the compressed logs file from being automatically purged or deleted.

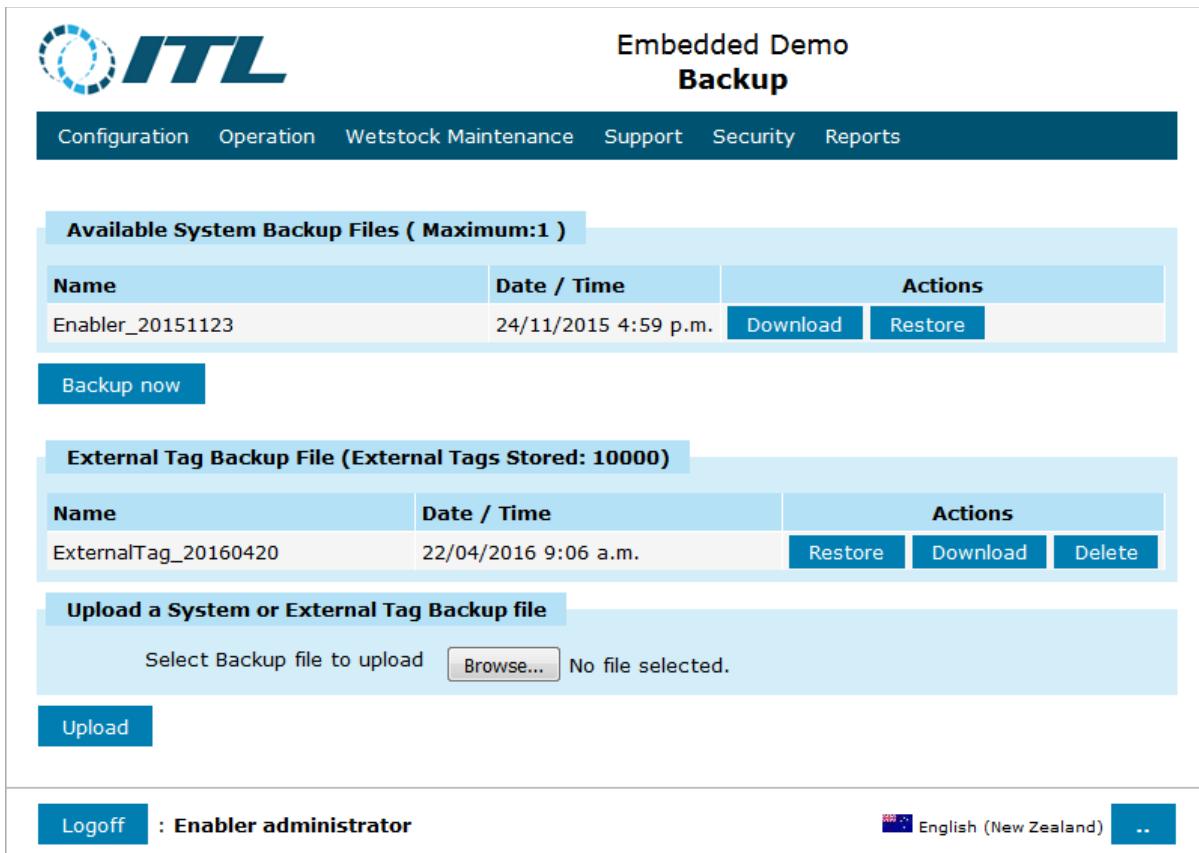
Press **Delete** to remove the selected compressed log file.

Press **Download** to download the selected compressed log file.

To create a compressed log file first select the period (number of days) to compress from the drop-down list and afterwards click on the **Compress logs ready for download** button.

## 5.5 Backup and Restore (Enabler Embedded Only)

This page provides backup and restore functions for the Enabler Embedded configuration including the historical totals and external tags.



The screenshot shows the 'Backup' section of the Enabler Web Application. At the top, there's a header with the ITL logo and the text 'Embedded Demo Backup'. Below the header is a navigation bar with links: Configuration, Operation, Wetstock Maintenance, Support, Security, and Reports. The main content area has two sections: 'Available System Backup Files (Maximum:1)' and 'External Tag Backup File (External Tags Stored: 10000)'. The 'Available System Backup Files' section contains one entry:

Name	Date / Time	Actions
Enabler_20151123	24/11/2015 4:59 p.m.	<a href="#">Download</a> <a href="#">Restore</a>

Below this is a 'Backup now' button. The 'External Tag Backup File' section shows one entry:

Name	Date / Time	Actions
ExternalTag_20160420	22/04/2016 9:06 a.m.	<a href="#">Restore</a> <a href="#">Download</a> <a href="#">Delete</a>

Below this is an 'Upload a System or External Tag Backup file' section with a 'Select Backup file to upload' input field containing 'Browse...', a note 'No file selected.', and an 'Upload' button. At the bottom of the page are links for 'Logoff', 'Enabler administrator', a language selection dropdown set to 'English (New Zealand)', and a three-dot menu icon.

The **Available System Backup Files** Section lists the automatically generated and uploaded backups with the option to download or restore the System backup. There is a limit of up to seven (7) System backups stored in the system, oldest backup will be deleted whenever a new backup is created or uploaded.

Press **Download** to download the System backup file for the current user.

Press **Restore** to restore the selected System backup into the system. This will also delete all existing External Tags from Enabler (requires user's confirmation).

Press **Backup Now** to create a new System backup of the system which will be inserted as the latest backup (if there is none for today) or replace today's backup.

The **External Tag Backup File** Section lists the External Tag Backup file which can be restored, downloaded and deleted. The total number of External Tags stored is also displayed. There can only be one External Tag backup that can be listed. Older backups will be automatically deleted once the new backup has been uploaded.

Press **Restore** to restore the External Tags from the backup file into the system (requires user's confirmation).

Press **Download** to download the External Tag backup to a local folder.

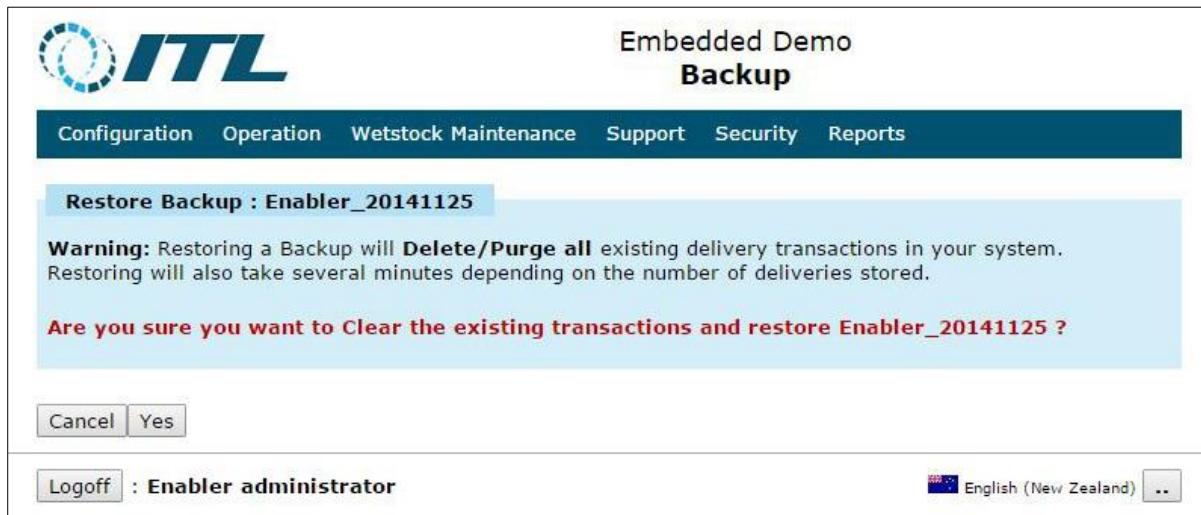
Press **Delete** to delete the External Tag backup. This will also delete all existing External Tags from Enabler (requires user's confirmation).

### 5.5.1 Upload Backup and Restore

The **Upload a Backup file** Section can be used to upload a System backup or External Tag backup file. It automatically detects the backup type and lists it accordingly into the correct section. If the zip file contains both System backup and External Tag backup, then it will be listed into the System backup section.

Press **Browse** to select a backup from your local system first and press the **Upload** button to upload it, it will be listed in the corresponding section depends on the contained file once upload is completed.

Pressing **Restore** after selecting a backup file will display a confirmation message similar to example below (System backup as example):



Please read the warning messages before Pressing **Yes** to confirm and begin restoring data from the backup file.

For System Backup, we recommend you download or save the delivery data before restoring a previous backup.

**Note:** The External Tag backup file must only contain ONE XML file for External Tags. Also, the External Tag backup filename must have the filename

**ExternalTag\*.zip** (e.g. ExternalTag\_20160419.xml, ExternalTag\_Today.xml, etc.). Otherwise, the system will reject the file to be restored.

## 5.5.2 Automatic Backup settings



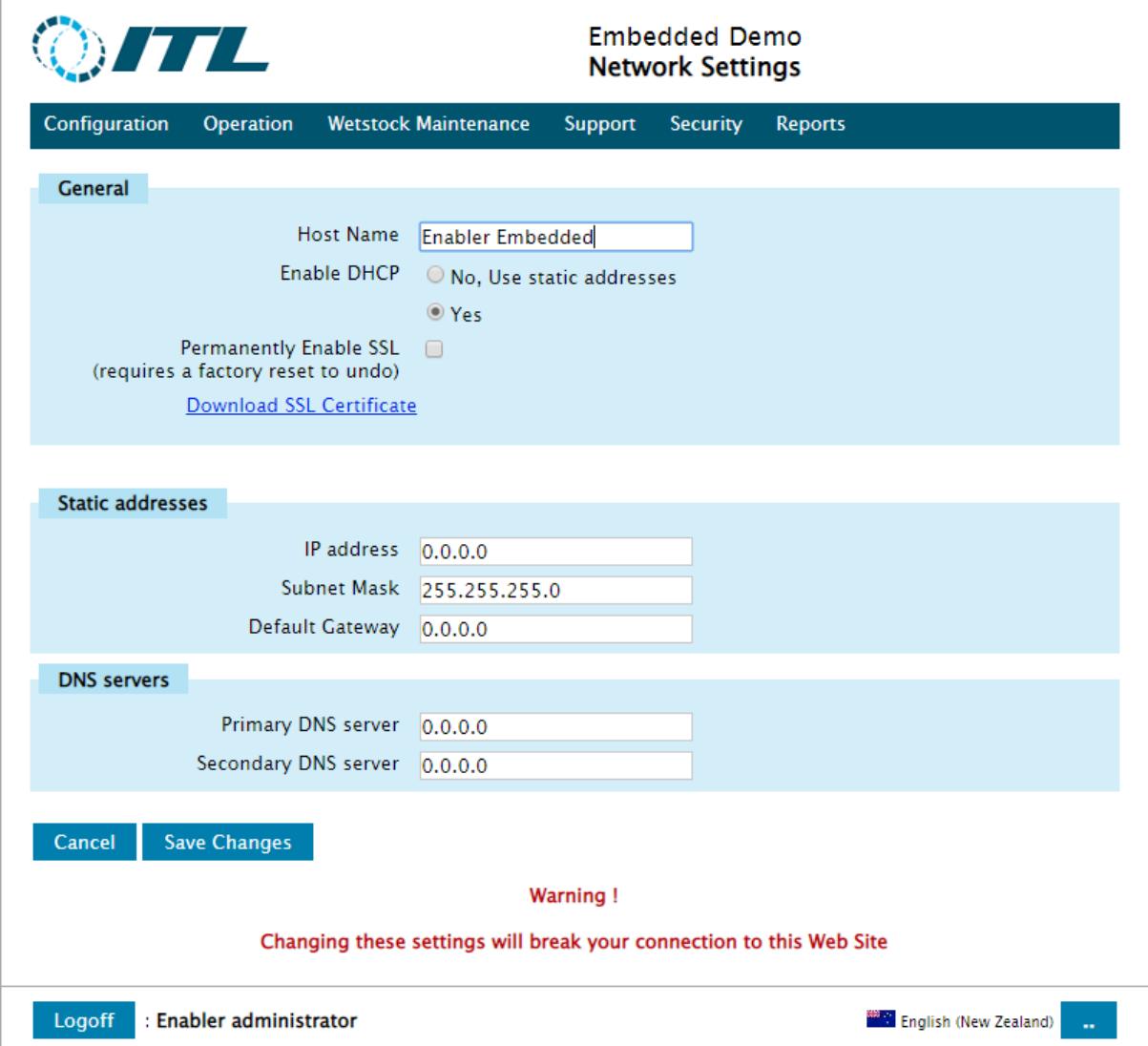
The screenshot shows a configuration interface for database backups. The 'Database' tab is selected. Under 'Backup time', the hour is set to 01 and the minute is set to 00. Under 'Backup files', the limit is set to 3.

Automatic daily backups are configured on the Site Settings page backup.

It is recommended to set the backup time when the forecourt is not normally busy. There is a limit of up to seven (7) backup files stored in the system.

## 5.6 Network Settings (Enabler Embedded Only)

This page allows the user to configure the Network or Ethernet settings of the Enabler Embedded system.



The screenshot shows the 'Network Settings' configuration page for the Enabler Embedded system. The top navigation bar includes links for Configuration, Operation, Wetstock Maintenance, Support, Security, and Reports. The main content area is titled 'Embedded Demo Network Settings'. It contains three tabs: 'General', 'Static addresses', and 'DNS servers'. The 'General' tab is active, showing fields for Host Name (set to 'Enabler Embedded'), Enable DHCP (radio button selected for 'Yes'), and Permanently Enable SSL (checkbox checked). Below these are download links for 'SSL Certificate'. The 'Static addresses' tab shows IP address (0.0.0.0), Subnet Mask (255.255.255.0), and Default Gateway (0.0.0.0) fields. The 'DNS servers' tab shows Primary and Secondary DNS server fields, both set to 0.0.0.0. At the bottom, there are 'Cancel' and 'Save Changes' buttons, a warning message about changing settings breaking the connection, and a status bar with Logoff, administrator information, language selection (English, New Zealand), and a help icon.

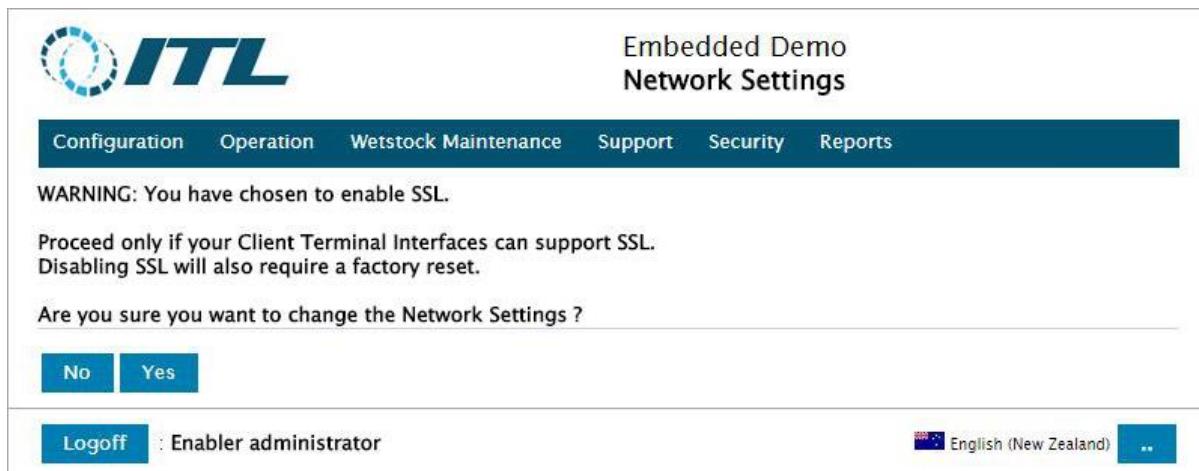
**Note:** The user might get disconnected from system while changing these network settings.

### 5.6.1 Enable SSL

Enabling SSL (Secure Sockets Layer) will ensure that TCP/IP endpoints from the Enabler Embedded (web server, Enabler Forecourt and REST API) to the client will be secure and encrypted.

**To enable SSL for Embedded:**

- Change the Host Name to something other than the default of ‘WindowsCE’ – Ensure that this Host Name is unique to the network.
- Click the Permanently Enable SSL (requires a factory reset to undo) checkbox.
- Click Save Changes. The following confirmation page will be displayed.



- Click **Yes** to proceed. Enabler Embedded will then restart

Once it has restarted, the Enabler Web Applications login screen can now be accessed by browsing to the **https://** URL of the computer name or IP address with the port **443** suffixed (optional).

**https://10.1.1.118:443**

**Note:** SSL for Enabler Embedded currently only supports self-signed certificate. Once SSL is enabled, all Enabler Embedded communication **must use SSL** afterwards. Only a Factory Reset can turn this setting OFF so please proceed with caution. If SSL was inadvertently turned ON: backup the configuration from the Backup page; proceed with the Factory Reset; and then restore the Enabler configuration.

Once SSL is enabled, the Enabler Web Applications will indicate as **Insecure** in your Web Browser. To make it **Secure**, apply these steps:

- Go to main Network Settings page.
- Click **Download SSL Certificate** and save this file to your Desktop. This is the Root Certificate used by Enabler Embedded.
- Install this Root certificate into your Desktop **Trusted Root Certification Authorities** certificate store by either double-clicking the file or installing through the **Certificate Manager**.

Afterwards, your Enabler Web Applications will now show up as **Secure**.

## 5.7 DateTime and Region (Enabler Embedded Only)

This page allows the user to change the current date and time, time zone and Regional settings.

The time zone is used for automatic day light savings when applicable and optional time synchronization.

The regional settings are used to customize the date and time, and currency format to the selected region.

 **Embedded Demo**  
**DateTime and Region**

Configuration   Operation   Wetstock Maintenance   Support   Security   Reports

**Date and Time**

Current Date

Current Time   
(hh:mm or hh:mm:ss)

**Update date & time**

**Time Zone**

Current Time Zone

Set time automatically

**Update time zone**

**Regional Settings**

Default system language

**Current settings for region: English (New Zealand)**

Number

Currency

Time

Short Date

Long Date

Select Region

**Updating the region will restart the system.**

**Update region**

**Logoff** : Enabler administrator  English (New Zealand) 

## 5.7.1 Date and Time

To update date and time set the current date and time and press **Update date & time** button.

The **Current Date** can accept these formats:

Day/Month/Year

or

Day-Month-Year

Both 2 digit and 4 digit years may be used.

When the **Set Time Automatically** option is enabled, the manual date time entry will be disabled and the **Update date & time** button becomes a **Synchronise Now** button. This button will force a network time synchronization.

## 5.7.2 Time Zone

Select your time zone from the drop-down list and press the **Update time zone** button.

## 5.7.3 Set Time Automatically

Selecting the **Set Time Automatically** option will show the Internet Time Servers that are used to synchronise the time. 1 or 2 servers can be configured. By default, we use the general pool NTP servers. Clicking on the **Set to Defaults** button will reset the servers back to the default pool servers.

Press **Update time zone** to save the change.

When the **Set Time Automatically** option is on the manual time change will no longer be possible.

Time Zone

Current Time Zone	(GMT+12:00) Auckland, W
Set time automatically	<input checked="" type="checkbox"/>
Internet Time Server 1	0.pool.ntp.org
Internet Time Server 2	1.pool.ntp.org
<b>Set to Defaults</b>	

**Update time zone**

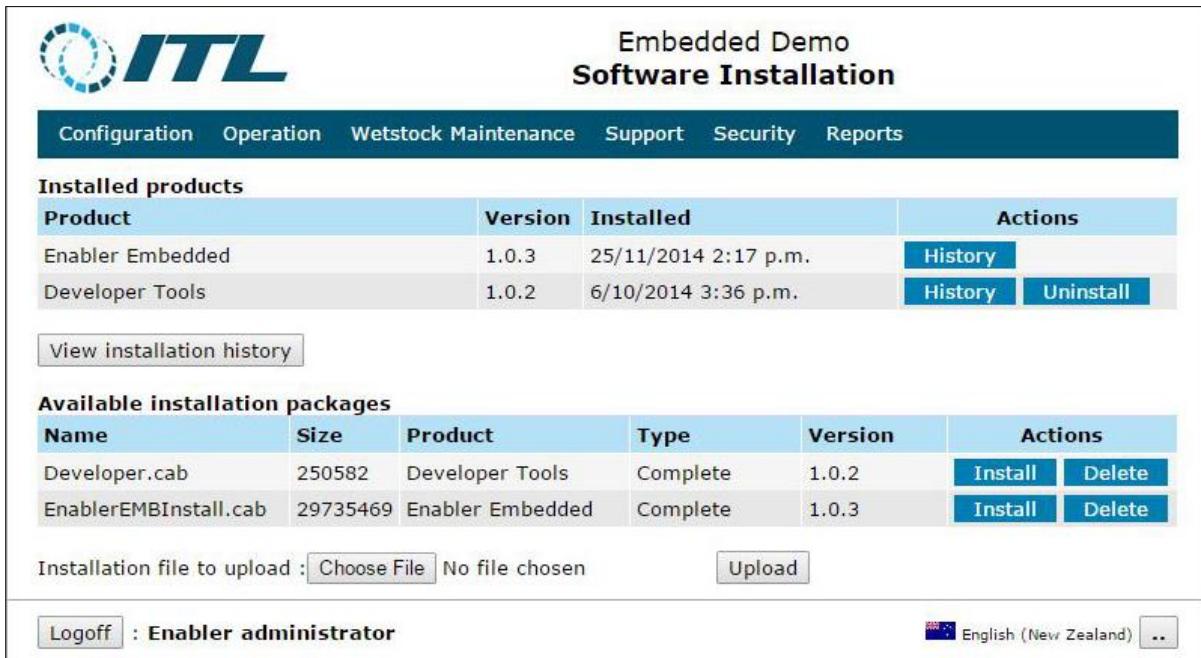
## 5.7.4 Regional Settings

Select your default system language and region from the **Default system language** and **Select Region** drop down lists and press **Update region** button to apply the change. The Number, Currency, Time, Short Date, and Long Date will be displayed with the selected regional settings.

If the Region is changed you will be prompted to confirm the change as the system will be restarted. If there are current deliveries present on the pumps, then an error will be shown and the update process aborted.

## 5.8 Software Installation (Enabler Embedded Only)

This page allows you to install software updates, view installation history and uninstall software packages installed in Enabler Embedded.



The screenshot shows the 'Software Installation' page for Enabler Embedded. At the top, there's a navigation bar with links for Configuration, Operation, Wetstock Maintenance, Support, Security, and Reports. Below the navigation bar, there's a section titled 'Installed products' with a table showing two entries:

Product	Version	Installed	Actions
Enabler Embedded	1.0.3	25/11/2014 2:17 p.m.	<a href="#">History</a>
Developer Tools	1.0.2	6/10/2014 3:36 p.m.	<a href="#">History</a> <a href="#">Uninstall</a>

Below the table is a button labeled 'View installation history'. Underneath this, there's a section titled 'Available installation packages' with another table:

Name	Size	Product	Type	Version	Actions
Developer.cab	250582	Developer Tools	Complete	1.0.2	<a href="#">Install</a> <a href="#">Delete</a>
EnablerEMBInstall.cab	29735469	Enabler Embedded	Complete	1.0.3	<a href="#">Install</a> <a href="#">Delete</a>

Below the second table, there's a field for 'Installation file to upload' with a 'Choose File' button and a message 'No file chosen'. To the right of this is a 'Upload' button. At the bottom of the page, there are links for 'Logoff' and 'Enabler administrator', a language selection dropdown set to 'English (New Zealand)', and a '...' button.

Press **History** to display the installation history.

Press **Uninstall** to uninstall the selected software package (requires user's confirmation).

Press **View installation history** to view software packages installation history.

Press **Delete** to delete the selected software package.

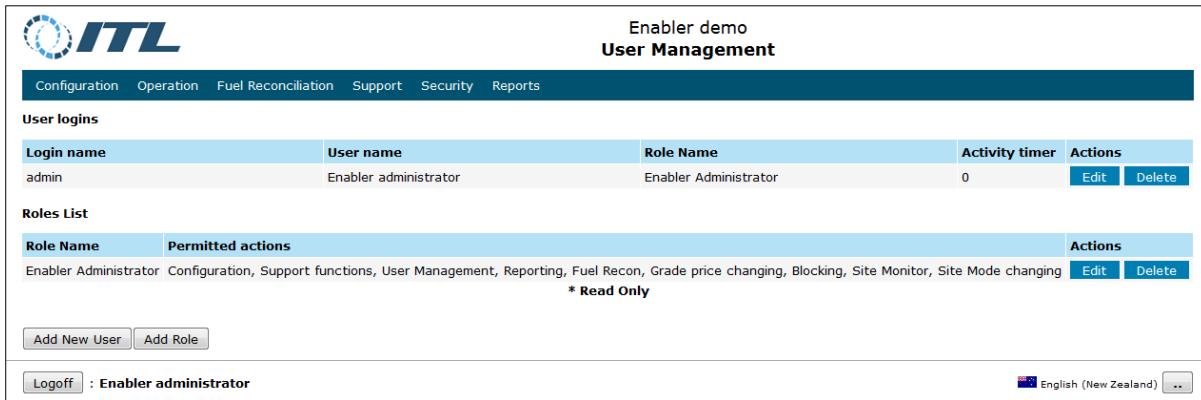
Press **Browse** to select software from your local system and press the **Upload** button to upload it to Enabler Embedded.

# 6 Security

The Security menu provides access control for the Enabler server. Here you can determine access for staff (Users and Roles) and client applications (Terminals).

## 6.1 User/Roles

The User/Roles screen is used to configure user accounts and assign role rights.



The screenshot shows the 'User Management' page of the Enabler web application. At the top, there's a navigation bar with links: Configuration, Operation, Fuel Reconciliation, Support, Security, and Reports. The title 'User Management' is centered above a table. The table has two sections: 'User logins' and 'Roles List'. In the 'User logins' section, there's one row for 'admin' with columns for Login name, User name, Role Name, Activity timer, and Actions (Edit, Delete). In the 'Roles List' section, there's one row for 'Enabler Administrator' with columns for Role Name, Permitted actions, and Actions (Edit, Delete). Below the table are buttons for 'Add New User' and 'Add Role'. At the bottom, there's a 'Logoff' button, a language selection dropdown set to 'English (New Zealand)', and a help icon.

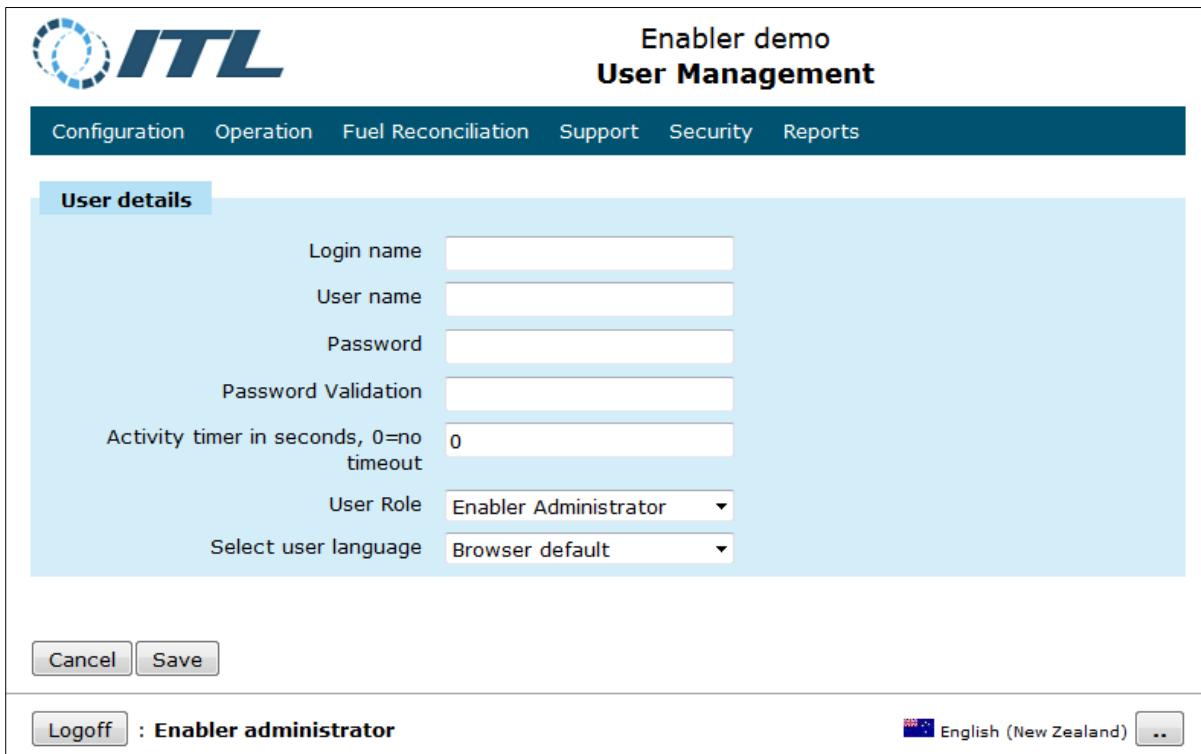
Press the **Add New User** button to add a new user to the Enabler system.

Press the **Add Role** button to create a new role profile to define access for a group of users. Roles determine access to specific pages of the Enabler configuration web application.

Press the **Edit** button to edit an existing user or role.

Press the **Delete** button to remove a user or role. **Note:** The administrator account cannot be deleted.

### 6.1.1 Adding/Editing Users



The screenshot shows the 'User Management' screen of the Enabler demo application. At the top, there is a navigation bar with links: Configuration, Operation, Fuel Reconciliation, Support, Security, and Reports. Below the navigation bar, a sub-menu titled 'User details' is active. The main form contains the following fields:

Login name	<input type="text"/>
User name	<input type="text"/>
Password	<input type="password"/>
Password Validation	<input type="password"/>
Activity timer in seconds, 0=no timeout	<input type="text" value="0"/>
User Role	<input type="button" value="Enabler Administrator"/>
Select user language	<input type="button" value="Browser default"/>

At the bottom of the form are two buttons: 'Cancel' and 'Save'. Below the form, a status bar displays 'Logoff : Enabler administrator' and a language selection area showing 'English (New Zealand)' with a dropdown arrow.

**Login name:** The username for login to the Enabler web application.

**User name:** A free-form to enter the user name that will be displayed in the lower left side of the screen after login.

**Password:** The password associated to the username used for login. It cannot be blank and must be between 6 to 50 characters.

**Password Validation:** To confirm entered password.

**Activity timer in seconds 0=no timeout:** Sets the number of seconds of inactivity after which the user will be automatically logged out of the system (set to 0 for no login timeout).

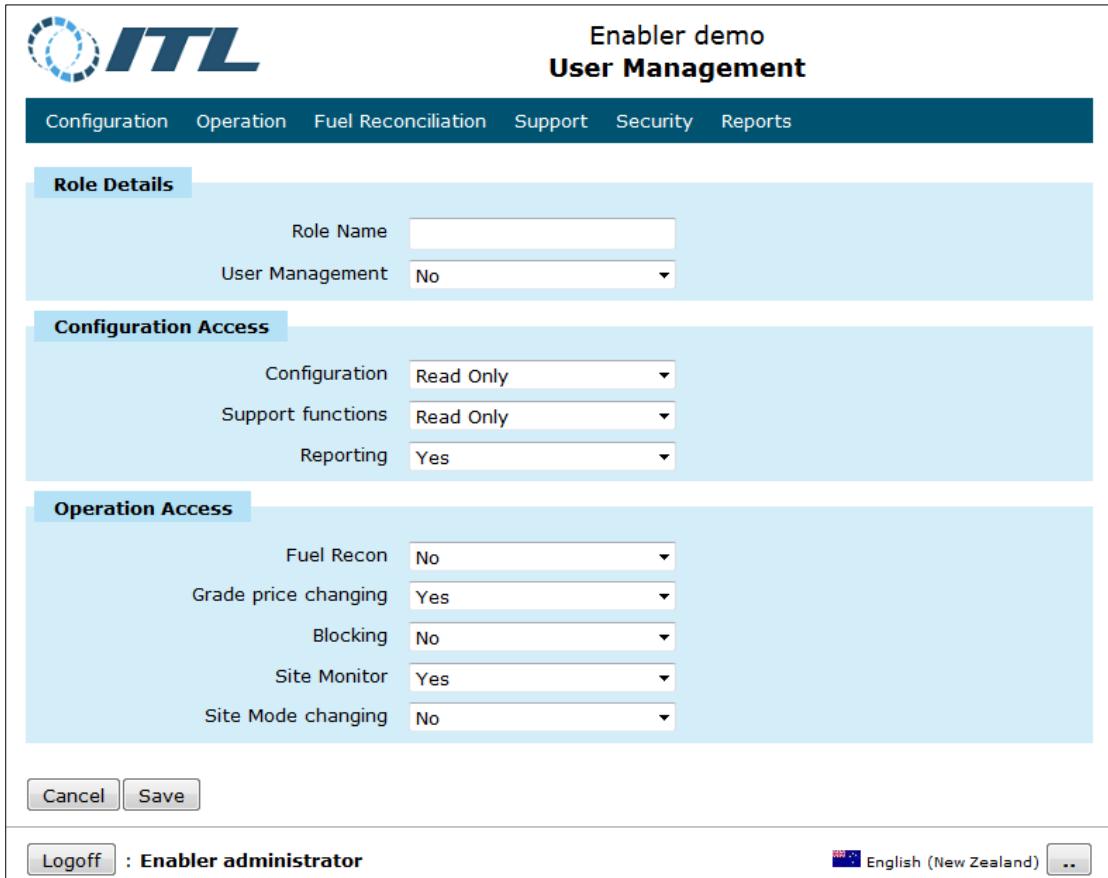
**User Role:** The role to be assigned to the user.

**Select user language:** Sets the language for the user which can be the browser default language, the system default language or English.

Press **Save** to create the user after entering all the information.

Press **Cancel** to discard the data entered and return to the previous screen.

## 6.1.2 Adding/Editing Roles



The screenshot shows the 'User Management' page with the following details:

- Role Details:**
  - Role Name: [Empty input field]
  - User Management: No
- Configuration Access:**
  - Configuration: Read Only
  - Support functions: Read Only
  - Reporting: Yes
- Operation Access:**
  - Fuel Recon: No
  - Grade price changing: Yes
  - Blocking: No
  - Site Monitor: Yes
  - Site Mode changing: No

Buttons at the bottom: Cancel, Save.

User information at the bottom: Logoff : Enabler administrator, Language: English (New Zealand), ..

**Role Name:** Free-form to enter a name for the role.

**User Management:** To allow/block or read only access to the security menu.

**Configuration:** To allow/block or read only access to the configuration menu.

**Support functions:** To allow/block or read only access to the support menu.

**Reporting:** To allow/block access to the reports menu.

**Fuel Recon:** To allow/block or read only access to the fuel reconciliation menu.

**Grade price changing:** To allow/block or read only access to edit grade prices.

**Blocking:** To allow access/block or read only access to grade blocking in the operation menu.

**Site Monitor:** To allow/block access to the site monitor page.

**Site Mode Changing:** To allow/block or read only access to the Site Mode Change page.

**Note:**

- Block will not show the page in the menus.
- Read only access displays the page but doesn't allow any changes to be made.

Press **Save** button to create the role once all the information has been entered.

Press **Cancel** to discard the data entered and return to the previous screen.

## 6.2 Terminals



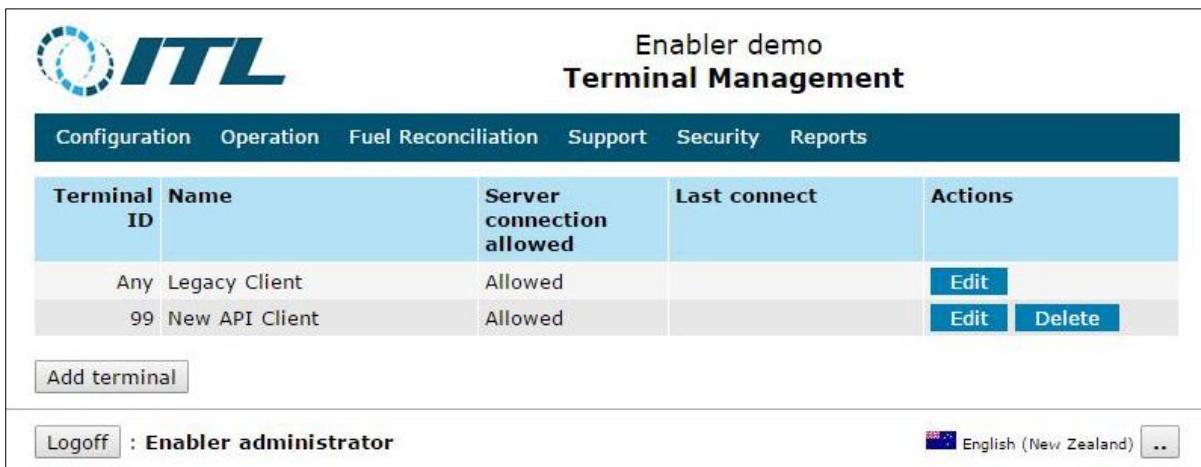
A feature added in Enabler V4 and Embedded is access control for terminals (API client applications) and the ability to restrict API activities.

By default, the system allows any number of ActiveX clients to connect as in Enabler Version 3.

In order to use new API clients (.NET/Java/OLE) add a terminal for each ID. The terminal ID cannot be used by an ActiveX client once allocated to a new client.

The screenshot below shows a configuration allowing Terminal IDs 2, 3 and 4 to connect using a new API and ActiveX clients using other IDs to connect instead.

To allow only new API clients to connect, first disable ActiveX (Legacy) clients connecting by editing access for "Legacy Clients".



Terminal ID	Name	Server connection allowed	Last connect	Actions	
Any	Legacy Client	Allowed		Edit	Delete
99	New API Client	Allowed		Edit	Delete

**Add terminal**

Logoff : Enabler administrator    English (New Zealand) ..

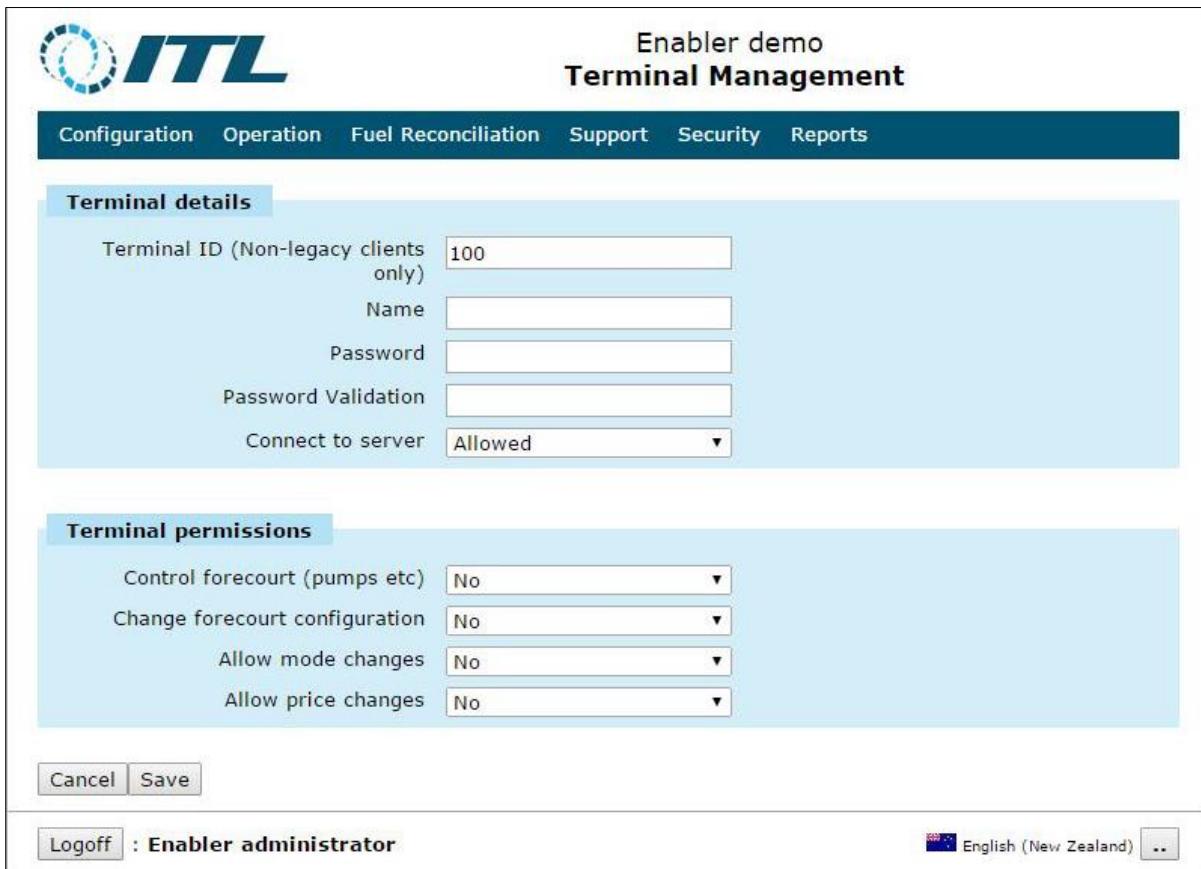
Click the **Add terminal** button to grant permission to a new client application.

Click the **Edit** button to modify a terminal's access settings.

Click the **Delete** button to revoke access for a client application.

## 6.2.1 Adding/Editing Terminals (API Clients)

This page is used for adding/editing Client API Application (Terminal) access.



The screenshot shows the 'Terminal Management' page with the following fields:

Section	Field	Value
Terminal details	Terminal ID (Non-legacy clients only)	100
	Name	[Empty]
	Password	[Empty]
	Password Validation	[Empty]
	Connect to server	Allowed
Terminal permissions	Control forecourt (pumps etc)	No
	Change forecourt configuration	No
	Allow mode changes	No
	Allow price changes	No
Buttons: Cancel, Save		
User: Logoff : Enabler administrator		
Language: English (New Zealand) ..		

**Terminal ID (Non-legacy clients only):** Number to identify the client application.

**Terminal name:** A free-form name for the terminal.

**Password:** Password required for the terminal to connect to the Enabler server (must be 6 to 50 characters in length).

**Password Validation:** To validate the entered password.

**Connect to server:** To allow a terminal to connect to the server.

**Control forecourt:** To toggle terminal forecourt control permissions.

**Change forecourt configuration:** To toggle terminal forecourt configuration permissions.

**Allow mode changes:** To toggle terminal site mode permissions.

**Allow price changes:** To toggle terminal grade price change permissions.

Press **Save** to update the terminal configuration with the information entered.  
Press **Cancel** to discard any changes and return to previous screen.

# 7 Reports

The Reports submenu provides forecourt reporting for the Enabler.

## 7.1 Reports navigation

[\*\*<< Previous\*\*](#) **25 results per page** [\*\*Next >>\*\*](#)

The Previous and Next buttons allow for browsing backwards and forwards through the data, while the middle dropdown allows to select how many records to be displayed per page (available results per page are 25, 50 and 100 records per page).

## 7.2 Fuel Transaction

**Enabler Demo**  
**Fuel Transaction History Report**

**Report filter**

Complete	--All--	Authorise	--All--	Pump	-- All Pumps --	More Filters	<input checked="" type="checkbox"/>	
Start - Date and Time	Wednesday, 9 September 2015 17 : 38	End - Date and Time	Monday, 16 November 2015 16 : 54	Search		Apply Filter		
State	--All--	Authorised By	--All Terminals--	Limits	<input type="checkbox"/>	Delivery Fields		
Type	-- All Types --	Grade	-- All Grades --					

<< Previous    25 results per page    Next >>

Trans ID	Pump	Client Ref	Client Act	Auth Date	Authorise Reason	Auth By	State	Complete Reason	Hose	Grade	Hose number	Volume	Value	Price
204	Pump 20			5/11/2015 11:01:47 a.m.	Monitor	-1	Cleared	Zero				5.150	\$5.000	\$0.970
203	Pump 20			5/11/2015 11:01:29 a.m.	Client	1	Cleared	Normal	159	Premium	2	4.150	\$4.150	\$1.000
202	Pump 20			5/11/2015 11:01:10 a.m.	Monitor	-1	Cleared	Normal	158	Regular	1	11.600	\$11.250	\$0.970
201	Pump 20			5/11/2015 11:00:49 a.m.	Monitor	-1	Cleared	Normal	157	Premium	2	925.670	\$1,111.000	\$1.200
200	Pump 20			5/11/2015 11:00:30 a.m.	Auto	-1	Cleared	Offline	156	CNG	4	662.570	\$0.000	\$0.000
199	Pump 20			5/11/2015 11:00:30 a.m.	Auto	-1	Cleared	Offline	155	Diesel	3	954.180	\$942.310	\$0.987
198	Pump 20			5/11/2015 11:00:30 a.m.	Auto	-1	Cleared	Offline	154	Regular	1	21.050	\$9,646.130	\$458.248
197	Pump 19			5/11/2015 11:00:29 a.m.	Auto	-1	Cleared	Offline	153	CNG	4	5.000	\$5.000	\$1.000
196	Pump 20			5/11/2015 10:57:44 a.m.	Client	1	Cleared	Normal	152	Regular	1	5.000	\$5.000	\$1.000
195	Pump 20			5/11/2015 10:57:29 a.m.	Client	1	Cleared	Normal	151	Regular	1	5.000	\$5.000	\$1.000
194	Pump 20			5/11/2015 10:57:06 a.m.	Client	1	Cleared	Cancel						
193	Pump 20			5/11/2015 10:54:33 a.m.	Client	1	Cleared	Normal	150	Regular	1	5.000	\$5.000	\$1.000
192	Pump 20			5/11/2015 10:53:59 a.m.	Client	1	Cleared	Zero						
191	Pump 20			5/11/2015 10:53:15 a.m.	Client	1	Cleared	Normal	149	Regular	1	5.000	\$5.000	\$1.000
190	Pump 20			5/11/2015 10:49:27 a.m.	Client	1	Cleared	Cancel						
189	Pump 20			5/11/2015 10:49:20 a.m.	Client	1	Cleared	Cancel						
188	Pump 20			5/11/2015 10:43:34 a.m.	Client	1	Cleared	Normal	148	Regular	1	5.000	\$5.000	\$1.000
187	Pump 20			5/11/2015 10:42:23 a.m.	Client	1	Cleared	Normal	147	Regular	1	5.000	\$5.000	\$1.000
186	Pump 20			5/11/2015 10:41:57 a.m.	Client	1	Cleared	Zero						
185	Pump 20			5/11/2015 10:37:47 a.m.	Client	1	Cleared	Normal	146	Regular	1	5.000	\$5.000	\$1.000
184	Pump 20			5/11/2015 10:34:50 a.m.	Client	1	Cleared	Normal	145	Regular	1	5.000	\$5.000	\$1.000
183	Pump 20			5/11/2015 10:34:30 a.m.	Client	1	Cleared	Normal	144	Regular	1	5.000	\$5.000	\$1.000
182	Pump 20			5/11/2015 10:32:30 a.m.	Client	1	Cleared	Normal	143	Regular	1	10.000	\$10.000	\$1.000
181	Pump 20			5/11/2015 10:32:00 a.m.	Client	1	Cleared	Normal	142	Regular	1	10.000	\$10.000	\$1.000
180	Pump 20			5/11/2015 10:30:47 a.m.	Client	1	Cleared	Normal	141	Regular	1	10.000	\$10.000	\$1.000

Logoff : Enabler administrator    English (New Zealand) ..

The **Report filter** allows specific results to be displayed in the report. To filter the results, select the options from the filter fields and press **Apply Filter** button to redisplay the filtered results.

**Trans ID:** The ID for the Fuel Transaction.

**Pump:** The name of the delivery pump

**Client Ref:** An application-specific reference provided by the client application (optional).

**Client Act:** An application-specific data used to indicate the type of transaction (optional).

**Auth Date:** The time and date of the fuel transaction.

**Authorise Reason:** Indicates where the transaction was authorized:

**Client** indicates fueling was authorized by a client application (e.g. POS)

**Auto** indicates fueling was authorized by the Enabler based on site mode confirmation.

**Self** indicates fueling was authorized by the dispenser itself (some protocols only).

**Auth By:** The client application (terminal) authorizing the delivery. Has the value -1 if not authorized by a client application.

**State:** The current state of the fuel transaction.

**Complete Reason:** Indicator of how the transaction was completed.

If fuel was delivered, the following columns indicate the delivery details:

**Hose Delivery ID:** The ID of the delivery.

**Grade:** The name of the grade of the fuel delivered.

**Hose number:** The number of the hose of the fuel delivered.

**Volume:** The unit used to measure the fuel delivered.

**Value:** The total cost of the fuel delivered.

**Price:** The unit cost of the fuel delivered.

## 7.2.1 Fuel Transaction Report Filter

Listed below are the report filter options for the fuel transaction page.

**Complete:** The state of the transaction (i.e. Incomplete, Timeout)

**Authorise:** The source of the authorization of the transaction (i.e. Self, Not Auth)

**Pump:** The pump where the fuel delivery took place.

**More Filters:** To enable more filter options.

**Start – Date and Time:** The starting date and time of the Fuel Transactions to be included in the report. This defaults to the timestamp of the oldest Fuel Transaction.

**End – Date and Time:** The ending date and time of the Fuel Transactions to be included in the report. This defaults to the current date and time.

**Search:** To search for results based on selected volume and value.

**State:** The state of the transaction (e.g. Reserved, Cancelled, Cleared)

**Authorised By:** The terminal (client application) that started the transaction.

**Limits:** To show or hide money and volume limit columns in the results.

**Delivery Fields:** To add **Delivery Completed**, **Cleared By** and **Cleared At** columns to the results.

**Type:** The type of the transaction (i.e. Current, Stacked)

**Grade:** The grade of the transaction.

## 7.3 Delivery History

This screen shows a list of hose deliveries.


**Enabler Demo**  
**Delivery History Report**

[Configuration](#)
[Operation](#)
[Fuel Reconciliation](#)
[Support](#)
[Security](#)
[Reports](#)

**Report filter**

Type: <input type="button" value="-- All Types --"/>	Pump: <input type="button" value="-- All Pumps --"/>	Grade: <input type="button" value="-- All Grades --"/>
Start - Date and Time: <input type="text" value="Wednesday, 9 September 2015"/> 17 : 38	End - Date and Time: <input type="text" value="Monday, 16 November 2015"/> 16 : 59	Search: <input type="text"/> <input type="button" value="Apply Filter"/>

<< Previous
25 results per page
Next >>

Hose Delivery ID	Pump	Grade	Hose number	Completed Time	Type	Volume	Value	Price	Cleared By	Cleared At	Volume meter totals	Money meter totals
159	20	Premium	2	5/11/2015 11:01:40 a.m.	Postpay	5.150	\$5,000	\$0.970	1	5/11/2015 11:01:42 a.m.	1,111.000	\$1,111.000
158	20	Regular	1	5/11/2015 11:01:17 a.m.	Postpay	4.150	\$4,150	\$1,000	1	5/11/2015 11:01:19 a.m.	1,111.000	\$1,111.000
157	20	Premium	2	5/11/2015 11:01:04 a.m.	Postpay	11.600	\$11,250	\$0.970	1	5/11/2015 11:01:05 a.m.	1,111.000	\$1,111.000
156	20	CNG	4	5/11/2015 11:00:30 a.m.	Offline	925.670	\$1,111.000	\$1,200	0	5/11/2015 11:00:30 a.m.	1,111.000	\$1,111.000
155	20	Diesel	3	5/11/2015 11:00:30 a.m.	Offline	662.570	\$0,000	\$0,000	0	5/11/2015 11:00:30 a.m.	1,111.000	\$0,000
154	20	Regular	1	5/11/2015 11:00:30 a.m.	Offline	954.180	\$942,310	\$0.987	0	5/11/2015 11:00:30 a.m.	1,111.000	\$1,111.000
153	19	CNG	4	5/11/2015 11:00:29 a.m.	Offline	21.050	\$9,646.130	\$458.248	0	5/11/2015 11:00:29 a.m.	336.950	\$9,646.130
152	20	Regular	1	5/11/2015 10:58:08 a.m.	Postpay	5.000	\$5,000	\$1,000	1	5/11/2015 10:58:27 a.m.	156.820	\$168.690
151	20	Regular	1	5/11/2015 10:57:34 a.m.	Postpay	5.000	\$5,000	\$1,000	1	5/11/2015 10:57:36 a.m.	151.820	\$163.690
150	20	Regular	1	5/11/2015 10:55:11 a.m.	Monitor	5.000	\$5,000	\$1,000	0	5/11/2015 10:56:11 a.m.	146.820	\$158.690
149	20	Regular	1	5/11/2015 10:53:52 a.m.	Postpay	5.000	\$5,000	\$1,000	1	5/11/2015 10:53:53 a.m.	141.820	\$153.690
148	20	Regular	1	5/11/2015 10:44:02 a.m.	Monitor	5.000	\$5,000	\$1,000	0	5/11/2015 10:45:02 a.m.	136.820	\$148.690
147	20	Regular	1	5/11/2015 10:42:57 a.m.	Postpay	5.000	\$5,000	\$1,000	1	5/11/2015 10:43:30 a.m.	131.820	\$143.690
146	20	Regular	1	5/11/2015 10:38:29 a.m.	Postpay	5.000	\$5,000	\$1,000	1	5/11/2015 10:39:04 a.m.	126.820	\$138.690
145	20	Regular	1	5/11/2015 10:35:48 a.m.	Monitor	5.000	\$5,000	\$1,000	0	5/11/2015 10:36:48 a.m.	121.820	\$133.690
144	20	Regular	1	5/11/2015 10:34:44 a.m.	Postpay	5.000	\$5,000	\$1,000	1	5/11/2015 10:34:46 a.m.	116.820	\$128.690
143	20	Regular	1	5/11/2015 10:33:28 a.m.	Postpay	10.000	\$10,000	\$1,000	1	5/11/2015 10:33:46 a.m.	111.820	\$123.690
142	20	Regular	1	5/11/2015 10:32:23 a.m.	Postpay	10.000	\$10,000	\$1,000	1	5/11/2015 10:32:25 a.m.	101.820	\$113.690
141	20	Regular	1	5/11/2015 10:31:52 a.m.	Postpay	10.000	\$10,000	\$1,000	1	5/11/2015 10:31:57 a.m.	91.820	\$103.690
140	20	Regular	1	5/11/2015 10:30:32 a.m.	Postpay	10.000	\$10,000	\$1,000	1	5/11/2015 10:30:40 a.m.	81.820	\$93.690
139	20	Regular	1	5/11/2015 10:29:30 a.m.	Postpay	10.000	\$10,000	\$1,000	1	5/11/2015 10:29:32 a.m.	71.820	\$83.690
138	20	Regular	1	5/11/2015 10:28:06 a.m.	Postpay	1.720	\$1,720	\$1,000	1	5/11/2015 10:28:08 a.m.	61.820	\$73.690
137	20	Regular	1	4/11/2015 5:32:14 p.m.	Offline	3.000	\$3,000	\$1,000	0	4/11/2015 5:32:14 p.m.	60.100	\$71.970
136	20	Regular	1	4/11/2015 5:31:37 p.m.	Postpay	3.000	\$3,000	\$1,000	1	4/11/2015 5:31:41 p.m.	57.100	\$68.970
135	20	Regular	1	4/11/2015 5:31:20 p.m.	Postpay	1.230	\$1,230	\$1,000	1	4/11/2015 5:31:22 p.m.	54.100	\$65.970

Logoff
Enabler administrator
English (New Zealand)
..

The filter fields at the top allow for specific results to be displayed in the page. To filter the results, select the options from the filter fields and press **Apply Filter** button to redisplay the filtered results.

Descriptions of the results column are:

**Hose Delivery ID:** The ID for the delivery.

**Pump:** The name of the pump where the fuel was delivered.

**Grade:** The name of the grade that was delivered.

**Hose number:** The number of the hose that was delivered.

Enabler Web Applications Reference Manual

Page 142 of 150

**Completed Time:** The time and date that fueling ended.

**Type:** The type of delivery.

**Volume:** The quantity/volume of fuel delivered.

**Value:** The price of the fuel delivered.

**Price:** The unit price for the delivery.

**Cleared by:** The terminal that cleared (sold) the delivery.

**Cleared at:** The date and time the delivery was cleared (sold).

**Volume meter totals:** The electronic meter reading at the end of the delivery

**Money meter totals:** The electronic meter reading at the end of the delivery.

### 7.3.1 Delivery History Report filter

Listed below are the report filter options for delivery history.

**Type:** The type of delivery (i.e. Current, Stacked, Attendant, Postpay, etc.).

**Pump:** The pump where fuel was delivered.

**Grade:** The grade of the fuel delivered.

**Start – Date and Time:** The starting date and time of Hose Deliveries to be included in the report. This defaults to the timestamp of the oldest Hose Delivery available.

**End – Date and Time:** The ending date and time of Hose Deliveries to be included in the report. This usually defaults to the current date and time.

**Search:** Enter the volume or value to locate specific deliveries.

## 7.4 Events

This screen shows a list of system events.

**ITL** Enabler demo  
**Events Report**

Configuration Operation Fuel Reconciliation Support Security Reports

**Report filter**

Level --All Levels-- Device Type -- All Devices -- Date and Time   
Search

<< Previous 25 results per page Next >>

	Device Type	Date & time	Description
info	Web site	25/11/2014 2:36:19 p.m.	Redirect requested for Terminals.aspx
warning	Pump 2	25/11/2014 1:24:38 p.m.	Hose 3, Volume Meter moved forwards
info	Hose 7	25/11/2014 1:24:38 p.m.	Volume Meter moved forwards by 0.0100, TurnoverCorrection Was 0.0000 Now -0.0100
info	Web site	25/11/2014 1:22:12 p.m.	Redirect requested for SiteModes.aspx
info	Web site	25/11/2014 1:22:12 p.m.	SiteMode: 1 updated
info	Web site	25/11/2014 1:22:12 p.m.	SiteMode: 1 PumpProfile:2 updated
info	Web site	25/11/2014 1:20:44 p.m.	Redirect requested for SiteModes.aspx
info	Web site	25/11/2014 1:20:44 p.m.	SiteMode: 1 updated
info	Web site	25/11/2014 1:20:44 p.m.	SiteMode: 1 PumpProfile:2 updated
info	Pump 1	25/11/2014 1:19:34 p.m.	Blocking
info	Web site	25/11/2014 1:16:31 p.m.	Redirect requested for Tanks.aspx
info	Web site	25/11/2014 1:16:31 p.m.	Tank 6 added/updated
info	Pump 1	25/11/2014 1:11:59 p.m.	Blocking
info	Web site	25/11/2014 1:06:23 p.m.	Redirect requested for GradePricesScheduled.aspx
info	Web site	25/11/2014 1:06:23 p.m.	Price Profile 8 updated
info	Web site	25/11/2014 1:06:13 p.m.	Redirect requested for GradePricesScheduled.aspx
info	Web site	25/11/2014 1:06:13 p.m.	Price Profile 8 updated
info	Web site	25/11/2014 1:06:06 p.m.	Redirect requested for GradePricesScheduled.aspx
info	Web site	25/11/2014 1:06:06 p.m.	Price Profile 9 updated
info	Pump 3	25/11/2014 1:05:57 p.m.	Pump price changed
info	Pump 2	25/11/2014 1:05:56 p.m.	Pump price changed
info	Pump 1	25/11/2014 1:05:56 p.m.	Pump price changed
info	Pump 4	25/11/2014 1:05:55 p.m.	Pump price changed
info	Web site	25/11/2014 1:05:49 p.m.	Redirect requested for GradePricesScheduled.aspx
info	Web site	25/11/2014 1:05:49 p.m.	Price Profile 8 updated

Logoff : Enabler administrator English (New Zealand) ..

The filter fields at the top allow for specific results to be displayed in the page. To filter the results, select the options from the filter fields and press **Apply Filter** button to redisplay the filtered results.

**Level:** To select the lowest event severity to be included in the report.

**Device Type:** To show only events for the selected device type.

After selecting a specific device type, filter options for event type will appear. For Tanks and Pumps a filter for specific devices will also appear:

**Events:** To show only events for the selected event type (only available if you have selected a specific device type).

**Pump/Tank:** To filter by specific pumps or tanks.

**Date and Time:** Use the Checkbox to show the Date and Time filter option – this determines the most recent events to show.

**Search:** To search within descriptions for events.

The screenshot above shows an example of events report where the filter is set for: all events for Pump 1 Installed resulting in all the events for pump 1 installed in the system.

The first column has a symbol to indicate the level or severity of the event:

- ⓘ Information only
- ⚠ Warning – Potential problem
- ✖ Error – Problem requiring user's attention
- ✎ Critical error – Critical or serious problem requiring immediate attention

## 7.5 Pump Totals

The Pump Totals report provides information about fuel sales.

Enabler demo
Pump Totals

[Configuration](#) [Operation](#) [Fuel Reconciliation](#) [Support](#) [Security](#) [Reports](#)

**Report filter**

Select period type	Day	Grade	-- All Grades --	Pump	-- All Pumps --
Period	11/11/2015 9:52:13 AM - Current				
Select	By Hose	Show Test Deliveries	<input type="checkbox"/>		
Columns	Total		<b>Apply Filter</b>		

Name		Total Delivery			Meter Value			Meter Volume		
Pump	Grade	Number	Value	Quantity	Open	Close	Diff	Open	Close	Diff
Pump 1	Regular	3	\$80.64	84.991	\$0.00	\$0.00	\$0.00	0.000	0.000	0.000
Pump 1	Premium	2	\$58.91	60.185	\$0.00	\$0.00	\$0.00	0.000	0.000	0.000
Pump 1	Diesel	0	\$0.00	0.000	\$0.00	\$0.00	\$0.00	0.000	0.000	0.000
Pump 1	CNG	0	\$0.00	0.000	\$0.00	\$0.00	\$0.00	0.000	0.000	0.000
Pump 2	Regular	1	\$20.48	21.587	\$0.00	\$0.00	\$0.00	0.000	0.000	0.000
Pump 2	Premium	3	\$68.16	69.636	\$0.00	\$0.00	\$0.00	0.000	0.000	0.000
Pump 2	Diesel	2	\$6.83	12.455	\$0.00	\$0.00	\$0.00	0.000	0.000	0.000
Pump 2	CNG	1	\$17.92	27.622	\$0.00	\$0.00	\$0.00	0.000	0.000	0.000
Pump 3	Regular	2	\$50.59	53.317	\$0.00	\$0.00	\$0.00	0.000	0.000	0.000
Pump 3	Premium	0	\$0.00	0.000	\$0.00	\$0.00	\$0.00	0.000	0.000	0.000
Pump 3	Diesel	4	\$27.38	49.915	\$0.00	\$0.00	\$0.00	0.000	0.000	0.000
Pump 3	CNG	1	\$13.53	20.852	\$0.00	\$0.00	\$0.00	0.000	0.000	0.000
Pump 4	Regular	2	\$27.31	28.789	\$0.00	\$0.00	\$0.00	0.000	0.000	0.000
Pump 4	Premium	0	\$0.00	0.000	\$0.00	\$0.00	\$0.00	0.000	0.000	0.000
Pump 4	Diesel	0	\$0.00	0.000	\$0.00	\$0.00	\$0.00	0.000	0.000	0.000
Pump 4	CNG	4	\$66.62	102.683	\$0.00	\$0.00	\$0.00	0.000	0.000	0.000
Pump 5	Regular	0	\$0.00	0.000	\$0.00	\$0.00	\$0.00	0.000	0.000	0.000
Pump 5	Premium	0	\$0.00	0.000	\$0.00	\$0.00	\$0.00	0.000	0.000	0.000
Pump 5	Diesel	2	\$33.52	61.076	\$0.00	\$0.00	\$0.00	0.000	0.000	0.000
Pump 5	CNG	1	\$25.96	40.009	\$0.00	\$0.00	\$0.00	0.000	0.000	0.000
Pump 6	Regular	0	\$0.00	0.000	\$0.00	\$0.00	\$0.00	0.000	0.000	0.000
Pump 6	Premium	1	\$5.06	5.170	\$0.00	\$0.00	\$0.00	0.000	0.000	0.000
Pump 6	Diesel	1	\$20.35	37.078	\$0.00	\$0.00	\$0.00	0.000	0.000	0.000
Pump 6	CNG	2	\$38.61	59.504	\$0.00	\$0.00	\$0.00	0.000	0.000	0.000
Pump 7	Regular	2	\$61.78	65.105	\$0.00	\$0.00	\$0.00	0.000	0.000	0.000
Pump 7	Premium	0	\$0.00	0.000	\$0.00	\$0.00	\$0.00	0.000	0.000	0.000
Pump 7	Diesel	1	\$18.76	34.180	\$0.00	\$0.00	\$0.00	0.000	0.000	0.000
Pump 7	CNG	0	\$0.00	0.000	\$0.00	\$0.00	\$0.00	0.000	0.000	0.000
Pump 8	Regular	1	\$32.91	34.683	\$0.00	\$0.00	\$0.00	0.000	0.000	0.000
Pump 8	Premium	1	\$40.00	40.865	\$0.00	\$0.00	\$0.00	0.000	0.000	0.000
Pump 8	Diesel	1	\$24.12	43.945	\$0.00	\$0.00	\$0.00	0.000	0.000	0.000
Pump 8	CNG	0	\$0.00	0.000	\$0.00	\$0.00	\$0.00	0.000	0.000	0.000
Totals		39	\$739.44	959.992	\$0.00	\$0.00	\$0.00	0.000	0.000	0.000

[Logoff](#)
: Enabler administrator
 English (New Zealand)
..

The filter fields at the top allow for specific results to be displayed in the page. To filter the results, select the options from the filter fields and press **Apply Filter** button to redisplay the filtered results.

**Select period type:** To filter by the type of period: Shift, Day, Month or Year.

**Grades:** To filter by grades or select all grades.

**Pump:** To filter by pumps or select all pumps.

**Period:** To select the time period to be reported. The dropdown list shows the available report periods of the type chosen in the **Select** option.

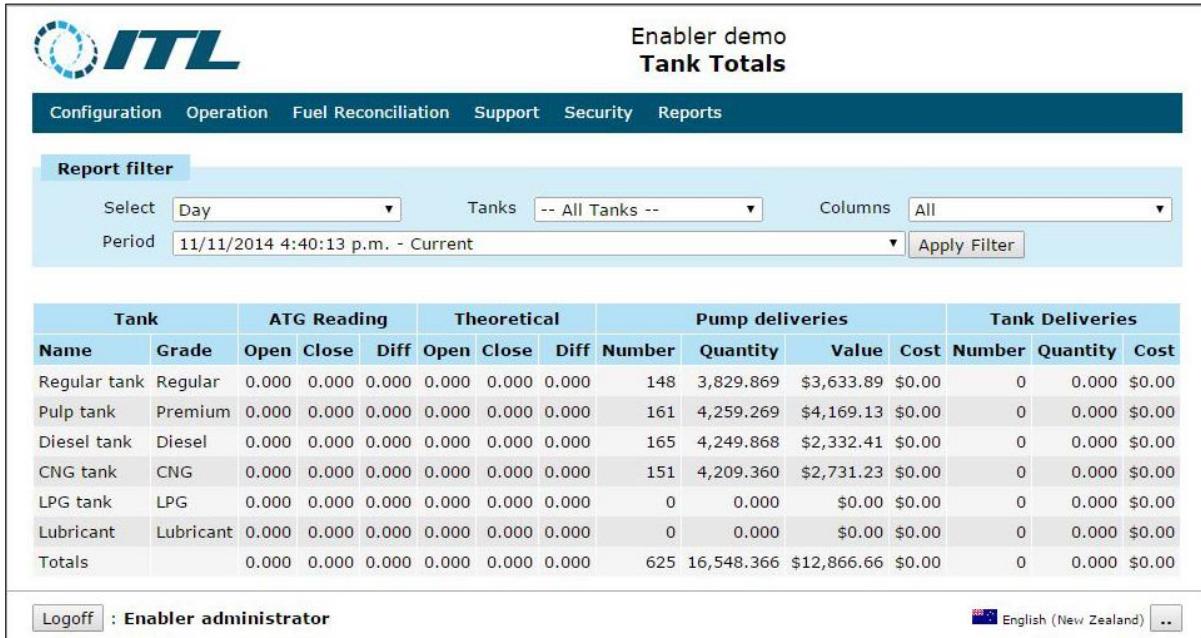
**Select:** To group results by hose, pump or grade.

**Show Test Deliveries:** To add test deliveries into the report.

**Columns:** To select views from these options: total deliveries and meters, deliveries, pump meters and all.

## 7.6 Tank Totals

The tank totals report shows totals including pump use, tanker deliveries, and tank gauge readings.



The screenshot shows the 'Enabler demo' interface with the 'Tank Totals' page selected. At the top, there's a navigation bar with links: Configuration, Operation, Fuel Reconciliation, Support, Security, and Reports. Below the navigation bar is a 'Report filter' section with dropdown menus for 'Select' (set to 'Day'), 'Tanks' (set to '-- All Tanks --'), and 'Columns' (set to 'All'). There's also a date range selector for 'Period' (set to '11/11/2014 4:40:13 p.m. - Current') and a 'Apply Filter' button. The main content area displays a table of tank data. The table has several columns: Tank (Name and Grade), ATG Reading (Open, Close, Diff), Theoretical (Open, Close, Diff), Pump deliveries (Number, Quantity, Value, Cost), and Tank Deliveries (Number, Quantity, Cost). The data includes entries for Regular tank, Pulp tank, Diesel tank, CNG tank, LPG tank, Lubricant, and a 'Totals' row. At the bottom of the page, there are links for 'Logoff' and 'English (New Zealand)'.

Tank		ATG Reading			Theoretical			Pump deliveries				Tank Deliveries			
Name	Grade	Open	Close	Diff	Open	Close	Diff	Number	Quantity	Value	Cost	Number	Quantity	Cost	
Regular tank	Regular	0.000	0.000	0.000	0.000	0.000	0.000	148	3,829.869	\$3,633.89	\$0.00	0	0.000	\$0.00	
Pulp tank	Premium	0.000	0.000	0.000	0.000	0.000	0.000	161	4,259.269	\$4,169.13	\$0.00	0	0.000	\$0.00	
Diesel tank	Diesel	0.000	0.000	0.000	0.000	0.000	0.000	165	4,249.868	\$2,332.41	\$0.00	0	0.000	\$0.00	
CNG tank	CNG	0.000	0.000	0.000	0.000	0.000	0.000	151	4,209.360	\$2,731.23	\$0.00	0	0.000	\$0.00	
LPG tank	LPG	0.000	0.000	0.000	0.000	0.000	0.000	0	0.000	\$0.00	\$0.00	0	0.000	\$0.00	
Lubricant	Lubricant	0.000	0.000	0.000	0.000	0.000	0.000	0	0.000	\$0.00	\$0.00	0	0.000	\$0.00	
Totals		0.000	0.000	0.000	0.000	0.000	0.000	625	16,548.366	\$12,866.66	\$0.00	0	0.000	\$0.00	

The filter fields at the top allow for specific results to be displayed in the page. To filter the results, select the options from the filter fields and press **Apply Filter** button to redisplay the filtered results.

**Select:** To select by the type of period: Shift, Day, Month or Year.

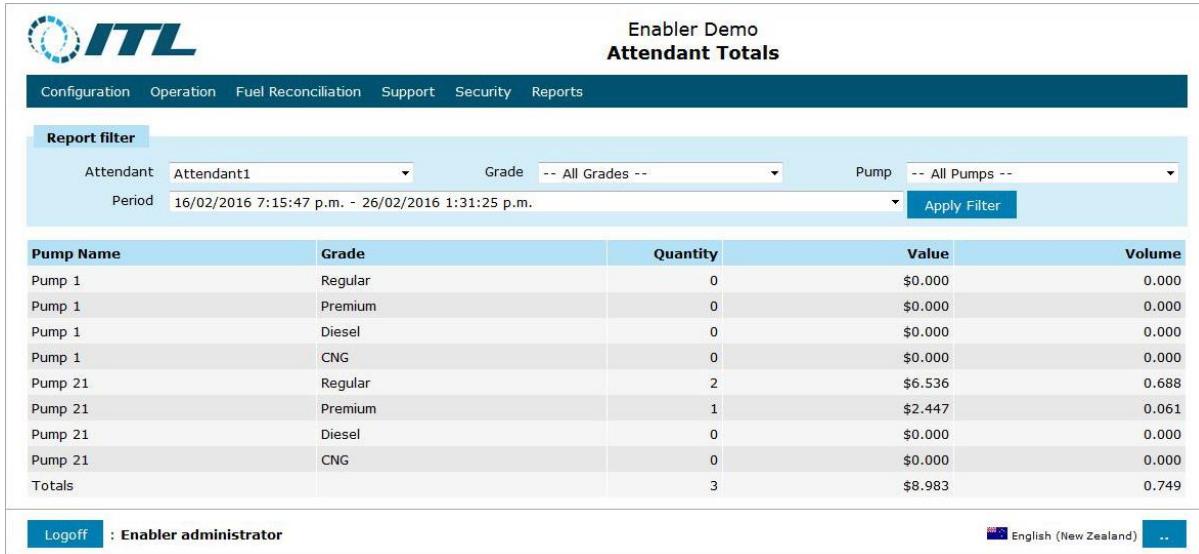
**Period:** To select the actual period to be reported by selecting start time/date and end time/date.

**Tanks:** To filter tank or select all tanks.

**Columns:** To select the data to include in the report: Gauges, Theoretical, Pump deliveries, Tank deliveries or All Columns.

## 7.7 Attendant Totals

The Attendant Totals report shows the attendants totals per period.



The screenshot shows the 'Attendant Totals' report page. At the top, there's a header with the ITL logo and the text 'Enabler Demo' and 'Attendant Totals'. Below the header is a navigation bar with links: Configuration, Operation, Fuel Reconciliation, Support, Security, and Reports. Underneath the navigation bar is a 'Report filter' section. It contains three dropdown menus: 'Attendant' set to 'Attendant1', 'Grade' set to '-- All Grades --', and 'Pump' set to '-- All Pumps --'. Below these dropdowns is a date range input showing '16/02/2016 7:15:47 p.m. - 26/02/2016 1:31:25 p.m.' and a blue 'Apply Filter' button. The main content area is a table with the following data:

Pump Name	Grade	Quantity	Value	Volume
Pump 1	Regular	0	\$0.000	0.000
Pump 1	Premium	0	\$0.000	0.000
Pump 1	Diesel	0	\$0.000	0.000
Pump 1	CNG	0	\$0.000	0.000
Pump 21	Regular	2	\$6.536	0.688
Pump 21	Premium	1	\$2.447	0.061
Pump 21	Diesel	0	\$0.000	0.000
Pump 21	CNG	0	\$0.000	0.000
Totals		3	\$8.983	0.749

At the bottom left of the page are 'Logoff' and 'Enabler administrator' links. On the right side, there are language selection buttons for 'English (New Zealand)' and a '...' button.

The filter fields at the top allow for specific results to be displayed in the page. To filter the results, select the options from the filter fields and press **Apply Filter** button to redisplay the filtered results.

**Attendant:** Select the Attendant which you want to show the totals for. The **Period** list automatically changes based on the Attendant selected.

**Grade:** The grade of the fuel delivered.

**Pump:** The pump where fuel was delivered.

**Period:** To select the time period to be reported. The drop down list shows the available report periods for the attendant chosen in the **Attendant** option.